Choccolocco Creek Waste Water Treatment Plant

Proposed Dewatering Facility Construction Support Work Plan

Anniston PCB Site

February 2018

Submitted For:

Solutia Inc. and Pharmacia LLC

702 Clydesdale Avenue

Anniston, Alabama 36201

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February 5, 2018

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
Atlanta, GA 30303-8960

Re: Choccolocco Creek Waste Water Treatment Plant
Proposed Dewatering Facility Construction Support
Anniston PCB Site (Docket No. 1:02-cv-749-KOB)
Anniston, Alabama

Dear Ms. Langston Scully:

The City of Anniston Water Works and Sewer Board (AWWSB) has approved construction of a new dewatering facility and appurtenances at the Choccolocco Creek Waste Water Treatment Plant (CCWWTP) in Oxford, Alabama. The CCWWTP is located immediately east of Friendship Road and west of Snow Creek. The majority of this work will be conducted within the 100-year floodplain of Snow Creek. Generally, the work will involve the construction of a solids dewatering building, installation of various subsurface utilities (e.g., sanitary sewer lines, process water lines, electrical conduit), demolition of select existing improvements and areas of soil regrading (Figure 1).

Waste Characterization

Solutia Inc. and Monsanto Company (acting on behalf of Pharmacia Corporation), collectively referred to as P/S, previously completed a sampling investigation program at all proposed subsurface work locations. The sampling was completed in accordance with provisions of a Sampling Plan previously approved by the United States Environmental Protection Agency (USEPA). The Choccolocco Creek Waste Water Treatment Plant Proposed De-Watering Facility sampling report is included in Attachment I. All results field screened at concentrations less than 50 parts per million (ppm). Several soil samples were selected for confirmatory laboratory analyses. The highest measured laboratory analytical result was 11.0 milligrams per kilogram (mg/kg or ppm). Figure 1 shows the proposed area of intrusive work and the existing sample data.

The USEPA in its Record of Decision for Operable Unit 1/Operable Unit 2 (OU-1/OU-2) has established a Remedial Goal (RG) of 21 mg/kg PCBs for surface soil and 97 mg/kg PCBs for subsurface soil. Note that while the subsurface RG is 97 mg/kg PCBs, no material greater than 50 mg/kg is involved in any of the proposed excavation. While the subject property is located in OU-4, there is no expectation that the relevant PRGs will vary for this site. Based on the sampling data, proposed footprint of the work and the USEPA's

proposed PRGs for PCBs, P/S have determined that suitable excess soil generated during excavation activities will be preferentially utilized as backfill for the proposed work. Soil that is unsuitable or unable to be used as backfill will be properly stockpiled on site and subsequently disposed by P/S at the Three Corners Landfill in Piedmont, Alabama.

Mobilization and Establishment of Temporary Construction Facilities and Controls

P/S will monitor all excavation and material handling work performed by the selected contractor within the extents of the PCB-impacted portion of the project area. In this capacity, P/S will document that the following temporary construction facilities and controls are in place prior to excavation work:

- Soil erosion and sedimentation controls
- Decontamination area
- Temporary staging and storage area for PCB-impacted soils

Soil erosion and sedimentation controls will include installation of silt fence and/or hay bales as described above. If any dewatering is required, all such water will be pumped through a filter bag prior to discharge. Decontamination and material staging areas (a minimum of 50 feet by 50 feet each) will be constructed by first placing a 4-ounce nonwoven geotextile fabric surrounded by perimeter silt fencing and/or hay bales with allowances for ingress/egress access.

Excavation and Soil Management

P/S will monitor the PCB-impacted soil excavation, grading and demolition activities of AWWSB's selected contractor. Excavated PCB-impacted soil will be placed back into the excavation, where applicable. Excess or unsuitable PCB-impacted soil will be properly managed in the temporary storage location with appropriate BMPs. Dewatering bags will be used to manage water and any sediments encountered in excavation locations where PCB-impacts are known to be present. P/S will ensure all excavation and material handling equipment will be dry decontaminated at the decontamination pad prior to leaving the project site. P/S will be responsible for the transportation and disposal of all excess and unsuitable PCB-impacted soil at the EC Waste Three Corners Landfill in Piedmont, Alabama.

The following paragraphs describe the various construction items that will require support from P/S and the proposed disposition of excavated soils. In general, all excavations will be backfilled with crushed stone or concrete to provide a suitable base for pipe installation (if applicable), and then backfilled to grade with soil.

Sanitary Sewer Lines

New sanitary sewer lines will be a combination of gravity flow and force main piping. The gravity flow piping will be a minimum of 4 feet and a maximum of 12 feet below ground surface (bgs), unless a greater depth is warranted by field conditions (i.e., existing infrastructure or unsuitable soil conditions). The depth of the gravity flow piping is variable and is a function of the manhole to which it will be connected. Soil suitability for pipe installation will be determined by the supervising engineer retained by the AWWSB. If soil unsuitable for construction purposes is encountered, the contractor will extend the excavation until suitable soil is reached. Force main sewer piping installations will be a maximum of 4 feet bgs unless a greater depth is warranted by field conditions.

Process Water Lines

Process water lines are force mains and will be installed a maximum of 4 feet bgs unless a greater depth is warranted by field conditions (i.e., infrastructure or unsuitable soil conditions). The supervising engineer engaged by the AWWSB will be responsible for determining the suitability of soil for piping installation.

Underground Electrical Lines

Installation of new underground electrical lines will be approximately 2 feet bgs unless a greater depth is warranted by field conditions (i.e., existing infrastructure). If existing infrastructure is encountered, underground electrical installations will be relocated laterally until underground obstructions are cleared. It is anticipated that relocation of underground electrical lines will be no more than 10 feet from their original locations.

Demolition of Existing Site Improvements

Asphalt will be demolished in areas of construction where new paving, concrete foundations, curbs, sidewalks, and underground piping will be installed. Existing foundation walls or infrastructure within 5 feet of new construction will be removed from the subsurface and properly disposed . Where existing foundation walls and infrastructure are not located within 5 feet of new construction, they will be cut 3 feet below grade and backfilled. Asphalt and concrete will be removed as construction debris.

Soil Grading

Soil grading will be performed around the existing digester gallery in the southern portion of the treatment plant and will consist of regrading from an approximate minimum of 2 feet to an approximate maximum of 13 feet to obtain the final grade. Soil generated during grading activities will primarily be used to backfill the existing thickeners in preparation for final closeout.

Best Management Practices

Silt fence will be installed around the perimeter of the proposed work area. In order to avoid soil generated during installation, the silt fence will be installed utilizing an automatic silt fence installation machine. This machine allows for installation without generating soil for disposal.

Reporting

Following completion of the Dewatering Facility support activities, a Completion Report will be prepared and submitted to the EPA. The Completion Report will provide a description of the support activities and generally include the following:

- Introduction and background information
- Description of pre-construction activities and coordination with AWWSB
- Description of construction preparatory activities including mobilization, BMPs, and surveying/layout
- Description of construction activities including excavation, soil management and disposal
- Description of any deviations from the Work Plan
- Key project data including field logs, material weight tickets and waste manifests
- As-built survey

Proposed Schedule of Work

The AWWSB would like to conduct the proposed project as soon as possible, subject to USEPA approval. The total duration of intrusive activities within PCB-affected areas is expected to be approximately twenty-four months. It is anticipated that excavation activities will take place throughout the duration of the project. A Completion Report will be submitted within 90 days of completion of the work described herein.

We look forward to receiving your approval of this time critical project. In the interim, please do not hesitate to contact me at 256-231-8404 with any questions or comments that you may have regarding this matter.

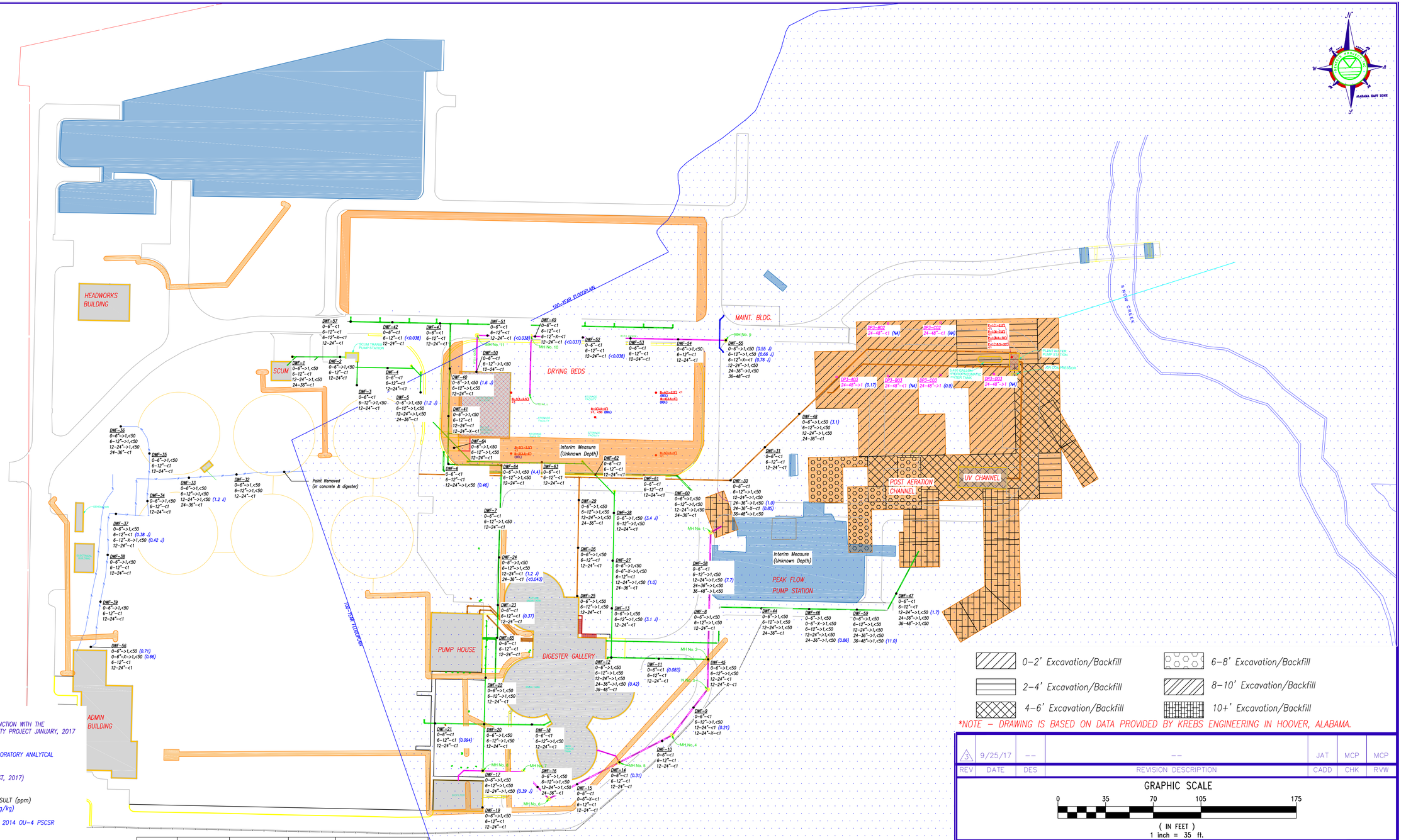
Sincerely,

E. Gayle Macolly Harris
Manager, Remedial Projects

Attachments

cc: Mr. Ed Turner (Anniston Water Works and Sewer Board)
Mr. Chip Crockett (ADEM)
Mr. Thomas Dahl

FIGURE



Manhole	Rim Elevation	Invert Elevation	Total Depth	Gravity Fed Pipe Run (Max Depth) Slope Change
MH-1	606.50	602.41	4.09	
MH-2	606.41	603.02	3.39	MH-2 to MH-1 (5') -0.61'
MH-3	606.44	603.23	3.21	MH-3 to MH-2 (4') -0.21'
MH-4	608.21	603.56	4.65	MH-4 to MH-3 (4') -0.33'
MH-5	611.83	603.89	7.94	MH-5 to MH-4 (5') -0.33'
MH-6	614.13	604.31	9.82	MH-6 to MH-5 (8') -0.42'
MH-7	616.13	604.55	11.58	MH-7 to MH-6 (10') -0.24'
MH-8	615.71	604.80	10.91	MH-8 to MH-7 (12') -0.25'
MH-9	608.50	602.89	5.61	
MH-10	608.50	603.70	4.80	MH-10 to MH-9 (6') -0.81'
MH-11	608.50	604.01	4.49	MH-11 to MH-10 (5') -0.31'

LEGEND

- SOIL SAMPLES COLLECTED IN CONJUNCTION WITH THE ANNISTON WWTP DE-WATERING FACILITY PROJECT JANUARY, 2017
- B-4(1-2.5') — SAMPLE ID (SAMPLE DEPTH)
- <1 (BDL) — FIELD SCREENING RESULT (ppm) LABORATORY ANALYTCAL RESULT (mg/kg)
- SOIL SAMPLE LOCATION (JULY-AUGUST, 2017)
- DWF-5 / 0-6'->1,<50 / (1.2 J) — SAMPLE ID; SAMPLE DEPTH-FIELD SCREENING RESULT (ppm); (LABORATORY ANALYTICAL RESULT (mg/kg)
- SOIL SAMPLES ASSOCIATED WITH THE 2014 OU-4 PSCSR
- DP3-A03 / 24-48"->1 (0.17) — SAMPLE ID; SAMPLE DEPTH-LABORATORY ANALYTICAL RESULT (mg/kg)
- EXTENT OF PHASE I EXISTING INTERIM MEASURE
- EXTENT OF PHASE II EXISTING INTERIM MEASURE
- SANITARY SEWER LINE LOCATION (NEW GRAVITY FED CONSTRUCTION)
- SANITARY SEWER LINE (NEW FORCE MAIN CONSTRUCTION)
- PROCESS WATER LINE LOCATION (NEW CONSTRUCTION)
- UP — PROPOSED UNDERGROUND POWER LOCATION (NEW CONSTRUCTION)
- NEW BUILDING CONSTRUCTION
- BOUNDARY FENCE

- 0-2' Excavation/Backfill
- 2-4' Excavation/Backfill
- 4-6' Excavation/Backfill
- 6-8' Excavation/Backfill
- 8-10' Excavation/Backfill
- 10+' Excavation/Backfill

*NOTE - DRAWING IS BASED ON DATA PROVIDED BY KREBS ENGINEERING IN HOOVER, ALABAMA.

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
3	9/25/17	--	--	JAT	MCP	MCP

GRAPHIC SCALE

0 35 70 105 175

(IN FEET)

1 inch = 35 ft.

SOIL SAMPLE RESULTS
ANNISTON WWTP OVERALL SITE PIPING
SOLUTIA, ANNISTON PCB SITE
ANNISTON, ALABAMA

Genesis Project, Inc. ENVIRONMENTAL SERVICES.
Smyrna, GA

PROJECT No.	CCWWTP	FILE No.	--
DESIGN	JAT	4/21/17	
CADD	JAT	9/19/17	SCALE AS SHOWN REV. --
CHECK	MCP	9/30/17	
REVIEW	MCP	9/30/17	

Figure 1

ATTACHMENT I

Genesis Project, Inc.
ENVIRONMENTAL SERVICES

Memo

To: Gayle Macolly Harris, Solutia, Inc.

From: Michael Price, Genesis Project, Inc. MCP

cc: John Loper, The Loper Group, Inc.

Alan Fowler, Geosyntec

Amy Addison, AMA Environmental Services, LLC

Date: October 23, 2017

Re: Soil Sampling Results
Choccolocco Creek Waste Water Treatment Plant Proposed De-Watering Facility
Anniston PCB Site, Anniston, Alabama

From July 25, 2017 through August 30, 2017, Genesis Project, Inc. (Genesis) completed the soil sampling for polychlorinated biphenyls (PCBs) at the Choccolocco Creek Waste Water Treatment Plant (CCWWTP) in Oxford, Alabama. The sampling was performed in general accordance with The Anniston Water Works and Sewer Board Dewatering Facility Project Sampling Plan (Sampling Plan). The Sampling Plan was submitted on June 30, 2017 and approved by the United States Environmental Protection Agency (EPA) with comments on July 19, 2017. The Sampling Plan and EPA approval are provided as Attachment I. This Sampling Plan identified the locations and depths of underground appurtenances (e.g., sanitary sewer, process water lines, underground electrical lines) for the proposed Dewatering Facility. Sampling locations were selected based on the location of the underground appurtenances and depths were determined based on the depth of the manhole into which the piping would tie-in or the installation depth for electrical lines.

Prior to any sampling activities, the sample locations were surveyed by Turner Surveying in the areas of the proposed underground appurtenances based on design drawings provided by Krebs Engineering, Inc. in Hoover, Alabama (Figure 1). Additionally, sampling locations were reviewed with Anniston Water Works and Sewer Board (AWWSB) personnel to clear the locations of existing underground utilities prior to any sampling. While Alabama 811 was also contacted, they do not clear utilities on private property.

Several of the originally proposed soil sampling locations were not collected as they were in the location of a previous interim measure where the proposed depth of excavation was less than the clean backfill layer, or previous data indicated the subsurface concentrations were less than 1 mg/kg.

Phase I Sampling Procedures

On July 25, 2017, Genesis initiated the hand-auguring sampling activities. Soil samples were collected from each location, where possible, at depths of 0-6 inches, 6-12 inches and 12-24 inches below ground surface. All of the soil samples were collected using a hand auger to maximize potential soil recovery. Each sample was processed by thoroughly mixing using a stainless-steel bowl and spoon before being placed in an appropriate pre-cleaned laboratory container. The sampling equipment was decontaminated between sampling locations utilizing the decontamination procedure outlined in the Quality Assurance Plan for the Anniston PCB Site, Revision 5.

Phase II Sampling Procedures

On August 21, 2017, Genesis initiated the direct-push sampling activities using a Geoprobe™. Soil samples were collected at locations where soil recovery was not achieved utilizing a hand auger and at sample locations where PCB concentrations were found to be greater than 1 part per million (ppm) in the lowest sampling interval (12-24 inches). Soil samples were collected utilizing a track mounted Geoprobe™ drill rig and direct-push drilling techniques. Each sample was processed by thoroughly mixing using a stainless-steel bowl and spoon before being placed in an appropriate pre-cleaned laboratory container. The sampling equipment was decontaminated between sampling locations utilizing the decontamination procedure outlined in the Quality Assurance Plan for the Anniston PCB Site, Revision 5.

Soil Sample Analysis

Two hundred and twenty-two soil samples and twelve duplicates were field screened for PCBs at 1 ppm and 50 ppm using immunoassay screening techniques by USEPA Method 4020. Note that while the field screening results are reported as ppm, this is equivalent to mg/kg. Thirty soil samples, three duplicates and four rinsate blanks were selected for submittal to TestAmerica Laboratories in Savannah, Georgia for PCB analysis by USEPA Method 8082. The soil sample field screening and laboratory analytical results are shown on Figure 1 and summarized in Table 1. The rinsate blank analytical results are summarized in Table 2. Copies of the field screening results are provided in Attachment II, and copies of the validated laboratory analytical reports are provided in Attachment III.

Since the field screening procedure is inherently biased for false positives, nine of the samples selected for laboratory analysis (DWF-5 (0-6"), DWF-6 (12-24"), DWF-12 (24-36"), DWF-17 (12-24"), DWF-27 (12-24), DWF-30 (24-36"), DWF-33 (12-24"), DWF-37 (6-12")-X and DWF-46 (24-36")) were chosen because their results were at or near the 1 ppm screening level, indicating the laboratory result could potentially be lower. The laboratory analytical data confirmed the field screening data with the exception of soil samples DWF-6 (12-24"), DWF-12 (24-36"), DWF-17 (12-24"), DWF-37 (6-12")-X, and DWF-46 (24-36"). The laboratory results for these samples are less than the field screening results which is consistent with the false positive bias of the immunoassay procedure.

Three samples (DWF-23 (6-12"), DWF-24 (12-24"), and DWF-37 (6-12")) were selected for laboratory analyses because their results were below but near the 1 ppm screening level. The laboratory analytical data confirmed the field screening data with the exception of soil sample DWF-24 (12-24"). The laboratory result was greater than the field screening result (a false negative) for this sample. Due to the close nature of the field screening result and laboratory analytical result, this sample was not re-analyzed and the laboratory data will be used for soil characterization.

Two samples (DWF-58 (12-24") and DWF-64 (0-6")) were selected for laboratory analyses because their results were below but near the 50 ppm screening level. The laboratory analytical data confirmed that neither result was near 50 mg/kg, with reported concentrations of 7.7 mg/kg and 4.4 mg/kg, respectively. In fact, the highest analyzed concentration reported was 11.0 mg/kg for sample DWF-59 (36-48").

References

Environ. (2014). *Preliminary Site Characterization Report for Operable Unit 4 of the of the Anniston PCB Site Volume III.* Retrieved March 7, 2014

Tables

TABLE 1
SOIL SAMPLE RESULTS
CHOCCOLOCCO CREEK WASTE WATER TREATMENT PLANT PROPOSED DE-WATERING FACILITY
ANNISTON PCB SITE
Anniston, Alabama

FIELD SAMPLE ID	SAMPLE DATE	QA TYPE	DEPTH MIN (feet)	DEPTH MAX (feet)	TOTAL PCB (mg/kg)	TOTAL PCB SCREENING (IMMUNOASSAY) (ppm)	NORTHING	EASTING
DWF-1	7/25/2017	Original	0	0.5		>1,<50	1129053.00	657650.40
DWF-1	7/25/2017	Original	0.5	1		<1	1129053.00	657650.40
DWF-1	8/21/2017	Original	1	2		>1,<50	1129053.00	657650.40
DWF-1	8/21/2017	Original	2	3		<1	1129053.00	657650.40
DWF-2	7/25/2017	Original	0	0.5		>1,<50	1129055.91	657727.33
DWF-2	7/25/2017	Original	0.5	1		<1	1129055.91	657727.33
DWF-2	7/25/2017	Original	1	2		<1	1129055.91	657727.33
DWF-3	7/25/2017	Original	0	0.5		<1	1129020.32	657748.87
DWF-3	8/30/2017	Original	0.5	1		>1,<50	1129020.32	657748.87
DWF-3	8/30/2017	Original	1	2		<1	1129020.32	657748.87
DWF-4	7/25/2017	Original	0	0.5		<1	1129047.40	657777.68
DWF-4	7/25/2017	Original	0.5	1		<1	1129047.40	657777.68
DWF-4	7/25/2017	Original	1	2		<1	1129047.40	657777.68
DWF-5	7/25/2017	Original	0	0.5	1.2 J	>1,<50	1129021.62	657807.16
DWF-5	8/21/2017	Original	0.5	1		>1,<50	1129021.62	657807.16
DWF-5	8/21/2017	Original	1	2		>1,<50	1129021.62	657807.16
DWF-5	8/21/2017	Original	2	3		<1	1129021.62	657807.16
DWF-6	8/24/2017	Original	0	0.5		<1	1128942.73	657842.99
DWF-6	8/24/2017	Original	0.5	1		<1	1128942.73	657842.99
DWF-6	8/24/2017	Original	1	2	0.46	>1,<50	1128942.73	657842.99
DWF-6A	8/23/2017	Original	0	0.5		>1,<50	1128960.40	657851.50
DWF-6A	8/23/2017	Original	0.5	1		>1,<50	1128960.40	657851.50
DWF-6A	8/23/2017	Original	1	2		<1	1128960.40	657851.50
DWF-7	7/25/2017	Original	0	0.5		<1	1128896.52	657905.71
DWF-7	7/25/2017	Original	0.5	1		>1,<50	1128896.52	657905.71
DWF-7	7/25/2017	Original	1	2		<1	1128896.52	657905.71
DWF-8	7/26/2017	Original	0	0.5		>1,<50	1128787.44	658120.27
DWF-8	8/22/2017	Original	0.5	1		>1,<50	1128787.44	658120.27
DWF-8	8/22/2017	Original	1	2		<1	1128787.44	658120.27
DWF-9	7/26/2017	Original	0	0.5		<1	1128688.77	658100.91
DWF-9	7/26/2017	Original	0.5	1		>1,<50	1128688.77	658100.91
DWF-9	7/26/2017	Original	1	2	0.21	<1	1128688.77	658100.91

TABLE 1
SOIL SAMPLE RESULTS
CHOCCOLOCCO CREEK WASTE WATER TREATMENT PLANT PROPOSED DE-WATERING FACILITY
ANNISTON PCB SITE
Anniston, Alabama

FIELD SAMPLE ID	SAMPLE DATE	QA TYPE	DEPTH MIN (feet)	DEPTH MAX (feet)	TOTAL PCB (mg/kg)	TOTAL PCB SCREENING (IMMUNOASSAY) (ppm)	NORTHING	EASTING
DWF-9	7/26/2017	Field Duplicate	1	2		<1	1128688.77	658100.91
DWF-10	7/26/2017	Original	0	0.5		<1	1128655.26	658065.77
DWF-10	7/26/2017	Original	0.5	1		<1	1128655.26	658065.77
DWF-10	7/26/2017	Original	1	2		<1	1128655.26	658065.77
DWF-11	7/26/2017	Original	0	0.5	0.083	<1	1128738.57	658065.91
DWF-11	7/26/2017	Original	0.5	1		<1	1128738.57	658065.91
DWF-11	7/26/2017	Original	1	2		<1	1128738.57	658065.91
DWF-12	7/26/2017	Original	0	0.5		>1,<50	1128738.51	658016.05
DWF-12	7/26/2017	Original	0.5	1		>1,<50	1128738.51	658016.05
DWF-12	7/26/2017	Original	1	2		>1,<50	1128738.51	658016.05
DWF-12	8/24/2017	Original	2	3	0.42	>1,<50	1128738.51	658016.05
DWF-12	8/24/2017	Original	3	4		<1	1128738.51	658016.05
DWF-13	7/26/2017	Original	0	0.5		>1,<50	1128793.51	658019.40
DWF-13	7/26/2017	Original	0.5	1	3.1 J	>1,<50	1128793.51	658019.40
DWF-13	7/26/2017	Original	1	2		<1	1128793.51	658019.40
DWF-14	7/26/2017	Original	0	0.5	0.31	<1	1128641.21	658029.74
DWF-14	7/26/2017	Original	0.5	1		<1	1128641.21	658029.74
DWF-14	7/26/2017	Original	1	2		<1	1128641.21	658029.74
DWF-15	7/26/2017	Original	0	0.5		<1	1128606.34	657979.89
DWF-15	7/26/2017	Field Duplicate	0	0.5		<1	1128606.34	657979.89
DWF-15	7/26/2017	Original	0.5	1		<1	1128606.34	657979.89
DWF-15	7/26/2017	Original	1	2		<1	1128606.34	657979.89
DWF-16	7/26/2017	Original	0	0.5		>1,<50	1128612.74	657933.70
DWF-16	7/26/2017	Original	0.5	1		>1,<50	1128612.74	657933.70
DWF-16	7/26/2017	Original	1	2		>1,<50	1128612.74	657933.70
DWF-16	8/23/2017	Original	2	3		<1	1128612.74	657933.70
DWF-17	7/26/2017	Original	0	0.5		>1,<50	1128608.20	657881.66
DWF-17	7/26/2017	Original	0.5	1		>1,<50	1128608.20	657881.66
DWF-17	7/26/2017	Original	1	2	0.39 J	>1,<50	1128608.20	657881.66
DWF-18	7/26/2017	Original	0	0.5		<1	1128668.58	657930.98
DWF-18	7/26/2017	Original	0.5	1		>1,<50	1128668.58	657930.98
DWF-18	7/26/2017	Original	1	2		<1	1128668.58	657930.98

TABLE 1
SOIL SAMPLE RESULTS
CHOCCOLOCCO CREEK WASTE WATER TREATMENT PLANT PROPOSED DE-WATERING FACILITY
ANNISTON PCB SITE
Anniston, Alabama

FIELD SAMPLE ID	SAMPLE DATE	QA TYPE	DEPTH MIN (feet)	DEPTH MAX (feet)	TOTAL PCB (mg/kg)	TOTAL PCB SCREENING (IMMUNOASSAY) (ppm)	NORTHING	EASTING
DWF-19	7/26/2017	Original	0	0.5		>1,<50	1128574.42	657890.10
DWF-19	7/26/2017	Original	0.5	1		<1	1128574.42	657890.10
DWF-19	7/26/2017	Original	1	2		<1	1128574.42	657890.10
DWF-20	7/27/2017	Original	0	0.5		>1,<50	1128670.64	657876.00
DWF-20	7/27/2017	Original	0.5	1		>1,<50	1128670.64	657876.00
DWF-20	7/27/2017	Original	1	2		<1	1128670.64	657876.00
DWF-21	7/27/2017	Original	0	0.5		<1	1128671.39	657830.84
DWF-21	7/27/2017	Original	0.5	1	0.094	<1	1128671.39	657830.84
DWF-21	7/27/2017	Original	1	2		<1	1128671.39	657830.84
DWF-22	7/27/2017	Original	0	0.5		>1,<50	1128720.52	657891.92
DWF-22	7/27/2017	Original	0.5	1		>1,<50	1128720.52	657891.92
DWF-22	7/27/2017	Original	1	2		<1	1128720.52	657891.92
DWF-23	7/27/2017	Original	0	0.5		<1	1128798.41	657902.04
DWF-23	8/28/2017	Original	0.5	1	0.37	<1	1128798.41	657902.04
DWF-23	8/28/2017	Original	1	2		<1	1128798.41	657902.04
DWF-24	7/27/2017	Original	0	0.5		>1,<50	1128846.95	657903.53
DWF-24	7/27/2017	Original	0.5	1		>1,<50	1128846.95	657903.53
DWF-24	7/27/2017	Original	1	2	1.2 J	<1	1128846.95	657903.53
DWF-24	8/22/2017	Original	2	3	ND	<1	1128846.95	657903.53
DWF-25	7/27/2017	Original	0	0.5		>1,<50	1128809.11	657982.26
DWF-25	7/27/2017	Original	0.5	1		>1,<50	1128809.11	657982.26
DWF-25	7/27/2017	Original	1	2		<1	1128809.11	657982.26
DWF-26	7/27/2017	Original	0	0.5		>1,<50	1128857.36	657985.04
DWF-26	7/27/2017	Original	0.5	1		<1	1128857.36	657985.04
DWF-26	7/27/2017	Original	1	2		<1	1128857.36	657985.04
DWF-27	7/27/2017	Original	0	0.5		>1,<50	1128843.93	658016.34
DWF-27	7/27/2017	Field Duplicate	0	0.5		>1,<50	1128843.93	658016.34
DWF-27	8/22/2017	Original	0.5	1		<1	1128843.93	658016.34
DWF-27	8/22/2017	Original	1	2	1.0	>1,<50	1128843.93	658016.34
DWF-27	8/22/2017	Original	2	3		<1	1128843.93	658016.34
DWF-28	7/27/2017	Original	0	0.5	3.4 J	>1,<50	1128894.44	658019.87
DWF-28	8/2/2017	Original	0.5	1		>1,<50	1128894.44	658019.87

TABLE 1
SOIL SAMPLE RESULTS
CHOCCOLOCCO CREEK WASTE WATER TREATMENT PLANT PROPOSED DE-WATERING FACILITY
ANNISTON PCB SITE
Anniston, Alabama

FIELD SAMPLE ID	SAMPLE DATE	QA TYPE	DEPTH MIN (feet)	DEPTH MAX (feet)	TOTAL PCB (mg/kg)	TOTAL PCB SCREENING (IMMUNOASSAY) (ppm)	NORTHING	EASTING
DWF-28	8/22/2017	Original	1	2		<1	1128894.44	658019.87
DWF-29	7/27/2017	Original	0	0.5		>1,<50	1128905.56	657984.10
DWF-29	7/27/2017	Original	0.5	1		>1,<50	1128905.56	657984.10
DWF-29	7/27/2017	Original	1	2		>1,<50	1128905.56	657984.10
DWF-29	8/22/2017	Original	2	3		<1	1128905.56	657984.10
DWF-30	7/27/2017	Original	0	0.5		<1	1128928.05	658139.72
DWF-30	7/27/2017	Original	0.5	1		>1,<50	1128928.05	658139.72
DWF-30	7/27/2017	Original	1	2		>1,<50	1128928.05	658139.72
DWF-30	8/23/2017	Original	2	3	1.0	>1,<50	1128928.05	658139.72
DWF-30	8/23/2017	Field Duplicate	2	3	0.85	<1	1128928.05	658139.72
DWF-30	8/23/2017	Original	3	4		>1,<50	1128928.05	658139.72
DWF-31	7/27/2017	Original	0	0.5		<1	1128960.91	658174.36
DWF-31	7/27/2017	Original	0.5	1		<1	1128960.91	658174.36
DWF-31	7/27/2017	Original	1	2		<1	1128960.91	658174.36
DWF-32	7/28/2017	Original	0	0.5		>1,<50	1128932.00	657620.44
DWF-32	7/28/2017	Original	0.5	1		>1,<50	1128932.00	657620.44
DWF-32	7/28/2017	Original	1	2		<1	1128932.00	657620.44
DWF-33	7/28/2017	Original	0	0.5		>1,<50	1128915.48	657577.60
DWF-33	7/28/2017	Original	0.5	1		>1,<50	1128915.48	657577.60
DWF-33	7/28/2017	Original	1	2	1.2 J	>1,<50	1128915.48	657577.60
DWF-33	8/24/2017	Original	2	3		<1	1128915.48	657577.60
DWF-34	7/28/2017	Original	0	0.5		>1,<50	1128906.98	657532.60
DWF-34	7/28/2017	Original	0.5	1		<1	1128906.98	657532.60
DWF-34	7/28/2017	Original	1	2		<1	1128906.98	657532.60
DWF-35	7/28/2017	Original	0	0.5		>1,<50	1128953.66	657514.91
DWF-35	7/28/2017	Original	0.5	1		<1	1128953.66	657514.91
DWF-35	7/28/2017	Original	1	2		<1	1128953.66	657514.91
DWF-36	7/28/2017	Original	0	0.5		>1,<50	1128985.39	657505.43
DWF-36	7/28/2017	Original	0.5	1		>1,<50	1128985.39	657505.43
DWF-36	7/28/2017	Original	1	2		>1,<50	1128985.39	657505.43
DWF-36	8/24/2017	Original	2	3		<1	1128985.39	657505.43
DWF-37	7/28/2017	Original	0	0.5		>1,<50	1128889.22	657499.07

TABLE 1
SOIL SAMPLE RESULTS
CHOCCOLOCCO CREEK WASTE WATER TREATMENT PLANT PROPOSED DE-WATERING FACILITY
ANNISTON PCB SITE
Anniston, Alabama

FIELD SAMPLE ID	SAMPLE DATE	QA TYPE	DEPTH MIN (feet)	DEPTH MAX (feet)	TOTAL PCB (mg/kg)	TOTAL PCB SCREENING (IMMUNOASSAY) (ppm)	NORTHING	EASTING
DWF-37	7/28/2017	Original	0.5	1	0.38 J	<1	1128889.22	657499.07
DWF-37	7/28/2017	Field Duplicate	0.5	1	0.42 J	>1,<50	1128889.22	657499.07
DWF-37	7/28/2017	Original	1	2		<1	1128889.22	657499.07
DWF-38	7/31/2017	Original	0	0.5		>1,<50	1128844.12	657490.09
DWF-38	7/31/2017	Original	0.5	1		<1	1128844.12	657490.09
DWF-38	7/31/2017	Original	1	2		<1	1128844.12	657490.09
DWF-39	7/31/2017	Original	0	0.5		>1,<50	1128802.99	657482.43
DWF-39	7/31/2017	Original	0.5	1		<1	1128802.99	657482.43
DWF-39	7/31/2017	Original	1	2		<1	1128802.99	657482.43
DWF-40	7/31/2017	Original	0	0.5	1.6 J	>1,<50	1129042.45	657842.78
DWF-40	7/31/2017	Original	0.5	1		>1,<50	1129042.45	657842.78
DWF-40	8/24/2017	Original	1	2		<1	1129042.45	657842.78
DWF-41	7/31/2017	Original	0	0.5		>1,<50	1128996.01	657842.16
DWF-41	7/31/2017	Original	0.5	1		<1	1128996.01	657842.16
DWF-41	8/24/2017	Original	1	2		<1	1128996.01	657842.16
DWF-41	8/24/2017	Field Duplicate	1	2		<1	1128996.01	657842.16
DWF-42	7/31/2017	Original	0	0.5		<1	1129089.51	657737.50
DWF-42	7/31/2017	Original	0.5	1	ND	<1	1129089.51	657737.50
DWF-42	7/31/2017	Original	1	2		<1	1129089.51	657737.50
DWF-43	7/31/2017	Original	0	0.5		<1	1129090.17	657832.12
DWF-43	7/31/2017	Original	0.5	1		<1	1129090.17	657832.12
DWF-43	7/31/2017	Original	1	2		<1	1129090.17	657832.12
DWF-44	7/31/2017	Original	0	0.5		>1,<50	1128806.72	658171.08
DWF-44	7/31/2017	Original	0.5	1		>1,<50	1128806.72	658171.08
DWF-44	7/31/2017	Original	1	2		>1,<50	1128806.72	658171.08
DWF-44	7/31/2017	Original	2	3		<1	1128806.72	658171.08
DWF-45	7/31/2017	Original	0	0.5		>1,<50	1128747.95	658110.24
DWF-45	8/22/2017	Original	0.5	1		>1,<50	1128747.95	658110.24
DWF-45	8/22/2017	Original	1	2		<1	1128747.95	658110.24
DWF-45	8/22/2017	Field Duplicate	1	2		<1	1128747.95	658110.24
DWF-46	8/22/2017	Original	0	0.5		>1,<50	1128807.41	658222.23
DWF-46	8/22/2017	Field Duplicate	0	0.5		>1,<50	1128807.41	658222.23

TABLE 1
SOIL SAMPLE RESULTS
CHOCCOLOCCO CREEK WASTE WATER TREATMENT PLANT PROPOSED DE-WATERING FACILITY
ANNISTON PCB SITE
Anniston, Alabama

FIELD SAMPLE ID	SAMPLE DATE	QA TYPE	DEPTH MIN (feet)	DEPTH MAX (feet)	TOTAL PCB (mg/kg)	TOTAL PCB SCREENING (IMMUNOASSAY) (ppm)	NORTHING	EASTING
DWF-46	8/22/2017	Original	0.5	1		>1,<50	1128807.41	658222.23
DWF-46	8/22/2017	Original	1	2		>1,<50	1128807.41	658222.23
DWF-46	8/22/2017	Original	2	3	0.86	>1,<50	1128807.41	658222.23
DWF-47	7/31/2017	Original	0	0.5		<1	1128810.65	658313.59
DWF-47	7/31/2017	Original	0.5	1		<1	1128810.65	658313.59
DWF-47	7/31/2017	Original	1	2	1.7	>1,<50	1128810.65	658313.59
DWF-47	8/22/2017	Original	2	3		>1,<50	1128810.65	658313.59
DWF-47	8/22/2017	Original	3	4		>1,<50	1128810.65	658313.59
DWF-48	7/31/2017	Original	0	0.5	3.1	>1,<50	1128997.48	658209.64
DWF-48	7/31/2017	Original	0.5	1		>1,<50	1128997.48	658209.64
DWF-48	7/31/2017	Original	1	2		>1,<50	1128997.48	658209.64
DWF-48	8/22/2017	Original	2	3		<1	1128997.48	658209.64
DWF-49	8/1/2017	Original	0	0.5		<1	1129074.99	657933.63
DWF-49	8/1/2017	Original	0.5	1		<1	1129074.99	657933.63
DWF-49	8/1/2017	Field Duplicate	0.5	1		<1	1129074.99	657933.63
DWF-49	8/1/2017	Original	1	2	ND	<1	1129074.99	657933.63
DWF-50	8/1/2017	Original	0	0.5		<1	1129037.93	657857.48
DWF-50	8/1/2017	Original	0.5	1		>1,<50	1129037.93	657857.48
DWF-50	8/1/2017	Original	1	2		<1	1129037.93	657857.48
DWF-51	8/1/2017	Original	0	0.5		<1	1129089.37	657881.49
DWF-51	8/1/2017	Original	0.5	1		<1	1129089.37	657881.49
DWF-51	8/1/2017	Original	1	2		<1	1129089.37	657881.49
DWF-52	8/1/2017	Original	0	0.5		<1	1129076.69	657982.46
DWF-52	8/1/2017	Original	0.5	1		<1	1129076.69	657982.46
DWF-52	8/23/2017	Original	1	2	ND	<1	1129076.69	657982.46
DWF-53	8/1/2017	Original	0	0.5		<1	1129075.84	658033.04
DWF-53	8/1/2017	Original	0.5	1		<1	1129075.84	658033.04
DWF-53	8/1/2017	Original	1	2		<1	1129075.84	658033.04
DWF-54	8/1/2017	Original	0	0.5		>1,<50	1129073.53	658082.95
DWF-54	8/1/2017	Original	0.5	1		<1	1129073.53	658082.95
DWF-54	8/1/2017	Original	1	2		<1	1129073.53	658082.95
DWF-55	8/1/2017	Original	0	0.5	0.55 J	>1,<50	1129065.37	658127.25

TABLE 1
SOIL SAMPLE RESULTS
CHOCCOLOCCO CREEK WASTE WATER TREATMENT PLANT PROPOSED DE-WATERING FACILITY
ANNISTON PCB SITE
Anniston, Alabama

FIELD SAMPLE ID	SAMPLE DATE	QA TYPE	DEPTH MIN (feet)	DEPTH MAX (feet)	TOTAL PCB (mg/kg)	TOTAL PCB SCREENING (IMMUNOASSAY) (ppm)	NORTHING	EASTING
DWF-55	8/1/2017	Original	0.5	1	0.66 J	>1,<50	1129065.37	658127.25
DWF-55	8/1/2017	Field Duplicate	0.5	1	0.76 J	<1	1129065.37	658127.25
DWF-55	8/1/2017	Original	1	2		>1,<50	1129065.37	658127.25
DWF-55	8/23/2017	Original	2	3		>1,<50	1129065.37	658127.25
DWF-55	8/23/2017	Original	3	4		<1	1129065.37	658127.25
DWF-56	8/21/2017	Original	0	0.5	0.71	>1,<50	1128752.92	657468.87
DWF-56	8/21/2017	Field Duplicate	0	0.5	0.66	>1,<50	1128752.92	657468.87
DWF-56	8/21/2017	Original	0.5	1		<1	1128752.92	657468.87
DWF-56	8/21/2017	Original	1	2		<1	1128752.92	657468.87
DWF-57	8/24/2017	Original	0	0.5		<1	1129089.56	657787.51
DWF-57	8/24/2017	Original	0.5	1		<1	1129089.56	657787.51
DWF-57	8/24/2017	Field Duplicate	0.5	1		<1	1129089.56	657787.51
DWF-57	8/24/2017	Original	1	2		<1	1129089.56	657787.51
DWF-58	8/24/2017	Original	0	0.5		<1	1128844.28	658123.23
DWF-58	8/24/2017	Original	0.5	1		>1,<50	1128844.28	658123.23
DWF-58	8/24/2017	Original	1	2	7.7	>1,<50	1128844.28	658123.23
DWF-58	8/24/2017	Original	2	3		>1,<50	1128844.28	658123.23
DWF-58	8/24/2017	Original	3	4		>1,<50	1128844.28	658123.23
DWF-59	8/22/2017	Original	0	0.5		>1,<50	1128806.86	658273.74
DWF-59	8/22/2017	Original	0.5	1		>1,<50	1128806.86	658273.74
DWF-59	8/22/2017	Original	1	2		>1,<50	1128806.86	658273.74
DWF-59	8/22/2017	Original	2	3		>1,<50	1128806.86	658273.74
DWF-59	8/22/2017	Original	3	4	11	>1,<50	1128806.86	658273.74
DWF-60	8/24/2017	Original	0	0.5		>1,<50	1128919.34	658099.09
DWF-60	8/24/2017	Original	0.5	1		>1,<50	1128919.34	658099.09
DWF-60	8/24/2017	Original	1	2		>1,<50	1128919.34	658099.09
DWF-60	8/24/2017	Original	2	3		<1	1128919.34	658099.09
DWF-61	8/24/2017	Original	0	0.5		<1	1128930.14	658047.66
DWF-61	8/24/2017	Original	0.5	1		<1	1128930.14	658047.66
DWF-61	8/24/2017	Original	1	2		<1	1128930.14	658047.66
DWF-62	8/24/2017	Original	0	0.5		<1	1128929.45	657997.65
DWF-62	8/24/2017	Original	0.5	1		<1	1128929.45	657997.65

TABLE 1
SOIL SAMPLE RESULTS
CHOCCOLOCCO CREEK WASTE WATER TREATMENT PLANT PROPOSED DE-WATERING FACILITY
ANNISTON PCB SITE
Anniston, Alabama

FIELD SAMPLE ID	SAMPLE DATE	QA TYPE	DEPTH MIN (feet)	DEPTH MAX (feet)	TOTAL PCB (mg/kg)	TOTAL PCB SCREENING (IMMUNOASSAY) (ppm)	NORTHING	EASTING
DWF-62	8/24/2017	Original	1	2		<1	1128929.45	657997.65
DWF-63	8/24/2017	Original	0	0.5		<1	1128928.54	657942.63
DWF-63	8/24/2017	Original	0.5	1		<1	1128928.54	657942.63
DWF-63	8/24/2017	Original	1	2		<1	1128928.54	657942.63
DWF-64	8/23/2017	Original	0	0.5	4.4	>1,<50	1128927.92	657902.80
DWF-64	8/23/2017	Original	0.5	1		>1,<50	1128927.92	657902.80
DWF-64	8/23/2017	Original	1	2		<1	1128927.92	657902.80
DWF-65	8/23/2017	Original	0	0.5		<1	1128765.92	657898.30
DWF-65	8/23/2017	Original	0.5	1		<1	1128765.92	657898.30
DWF-65	8/23/2017	Original	1	2		<1	1128765.92	657898.30

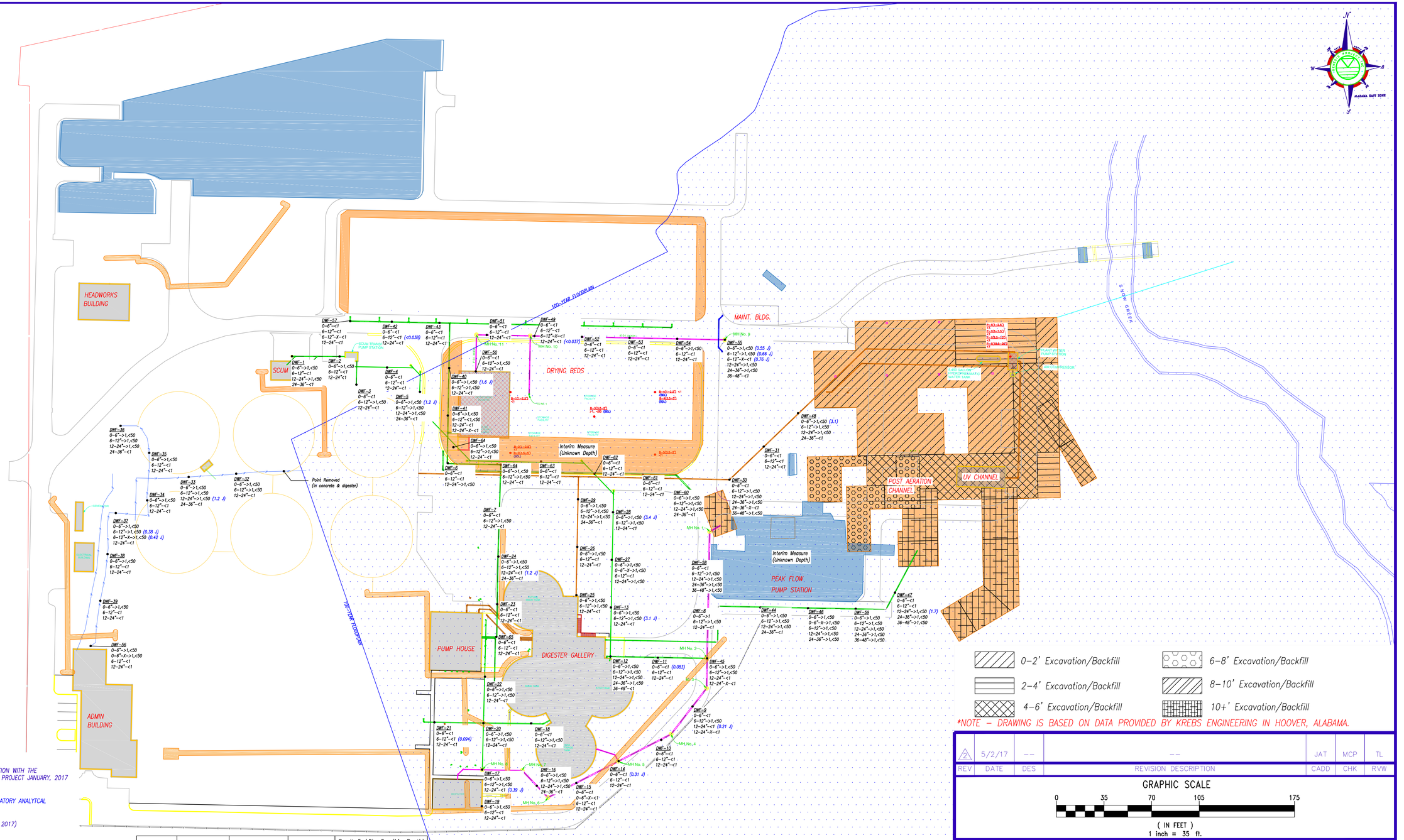
Notes:
J - Estimated
mg/kg - milligrams per kilogram
ND - nondetect
PCB - polychlorinated biphenyl
ppm - parts per million
Total PCB Screening (Immunoassay) concentrations are determined by EPA Method 4020 (Immunoassay Field Screening Test Methods).

TABLE 2
FIELD BLANK SAMPLE RESULTS
CHOCCOLOCCO CREEK WASTE WATER TREATMENT PLANT PROPOSED DE-WATERING FACILITY
ANNISTON PCB SITE
Anniston, Alabama

FIELD SAMPLE ID	SAMPLE DATE	QA TYPE	TOTAL PCB (ug/L)
DWF-9 (12-24")-Y	7/26/2017	Equipment Blank	<0.97 J
DWF-15 (0-6")-Y	7/26/2017	Equipment Blank	<1.0 J
DWF-55- (0-6")-Y	8/3/2017	Equipment Blank	<0.97
DWF-58- (12-24")-Y	8/24/2017	Equipment Blank	<0.99 J

Notes:
J - Estimated
PCB - polychlorinated biphenyl
ug/L - micrograms per liter

Figure



LEGEND

- SOIL SAMPLES COLLECTED IN CONJUNCTION WITH THE ANNISTON WWTP DE-WATERING FACILITY PROJECT JANUARY, 2017
- B-4(1-2.5') — SAMPLE ID (SAMPLE DEPTH)
- <1 (BDL) — FIELD SCREENING RESULT (ppm) LABORATORY ANALYTCAL RESULT (mg/kg)
- SOIL SAMPLE LOCATION (JULY-AUGUST, 2017)
- DWF-5 0-6"->1,<50 (1.2 J) — SAMPLE ID; SAMPLE DEPTH-FIELD SCREENING RESULT (ppm); (LABORATORY ANALYTICAL RESULT (mg/kg)
- EXTENT OF PHASE I EXISTING INTERIM MEASURE
- EXTENT OF PHASE II EXISTING INTERIM MEASURE
- SANITARY SEWER LINE LOCATION (NEW GRAVITY FED CONSTRUCTION)
- SANITARY SEWER LINE (NEW FORCE MAIN CONSTRUCTION)
- PROCESS WATER LINE LOCATION (NEW CONSTRUCTION)
- UP — PROPOSED UNDERGROUND POWER LOCATION (NEW CONSTRUCTION)
- NEW BUILDING CONSTRUCTION
- BOUNDARY FENCE

Manhole	Rim Elevation	Invert Elevation	Total Depth	Gravity Fed Pipe Run (Max Depth) Slope Change
MH-1	606.50	602.41	4.09	
MH-2	606.41	603.02	3.39	MH-2 to MH-1 (5') -0.61'
MH-3	606.44	603.23	3.21	MH-3 to MH-2 (4') -0.21'
MH-4	608.21	603.56	4.65	MH-4 to MH-3 (4') -0.33'
MH-5	611.83	603.89	7.94	MH-5 to MH-4 (5') -0.33'
MH-6	614.13	604.31	9.82	MH-6 to MH-5 (8') -0.42'
MH-7	616.13	604.55	11.58	MH-7 to MH-6 (10') -0.24'
MH-8	615.71	604.80	10.91	MH-8 to MH-7 (12') -0.25'
MH-9	608.50	602.89	5.61	
MH-10	608.50	603.70	4.80	MH-10 to MH-9 (6') -0.81'
MH-11	608.50	604.01	4.49	MH-11 to MH-10 (5') -0.31'

- 0-2' Excavation/Backfill
- 2-4' Excavation/Backfill
- 4-6' Excavation/Backfill
- 6-8' Excavation/Backfill
- 8-10' Excavation/Backfill
- 10+' Excavation/Backfill

*NOTE - DRAWING IS BASED ON DATA PROVIDED BY KREBS ENGINEERING IN HOOVER, ALABAMA.

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
2	5/2/17	--	--	JAT	MCP	TL

GRAPHIC SCALE

0 35 70 105 175

(IN FEET)
1 inch = 35 ft.

SOIL SAMPLE RESULTS
ANNISTON WWTP OVERALL SITE PIPING
SOLUTIA, ANNISTON PCB SITE
ANNISTON, ALABAMA

Genesis Project, Inc. ENVIRONMENTAL SERVICES.
Smyrna, GA

PROJECT No.	CCWWTP	FILE No.	--
DESIGN	JAT 4/21/17	SCALE	AS SHOWN REV. --
CADD	JAT 4/21/17		
CHECK	TL 4/24/17		
REVIEW	TL 4/28/17		

Figure 1

Attachment I
Sampling Plan and EPA approval

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

July 19, 2017

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

RE: AWWSB Project Sampling Plan
Anniston PCB Site, Anniston, Alabama

EPA CERCLA ID # ALD000400123
EPA RCRA ID # ALD004019048

Dear Ms. Macolly Harris:

The U.S. Environmental Protection Agency has reviewed the June 30, 2017, Revised Sampling Plan developed to assist the Anniston Water Works and Sewer Board with implementing its dewatering facility project. After meeting to discuss the sampling in more detail on July 18, 2017, the following clarifications and changes were agreed to by Pharmacia Corporation and Solutia Inc. (P/S) and the EPA:

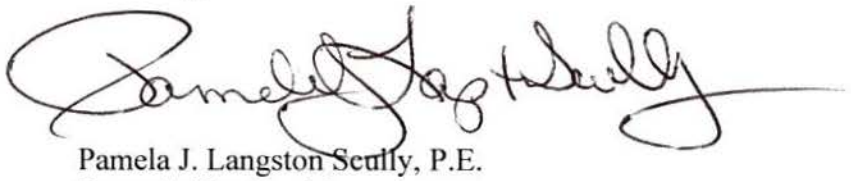
1. At 75 locations, soil samples will be collected by hand auguring at the 0 to 6-inch interval, the 6 to12-inch interval, and the 12 to 24-inch interval (i.e., 225 samples).
2. Those samples will be analyzed using screening methods approved in Revision 5 of the QAPP, to determine if PCB concentrations in soil are greater than 1 mg/kg and less than 50 mg/kg. (Based on data collected during the URS Soil Investigation documented in the Soil Investigation Report dated August 2001, there is no expectation that PCB concentrations greater than 500 mg/kg are present in this area, and additional screening to confirm PCB concentrations are less than 500 mg/kg is not included in this plan.)
3. A Geoprobe will be used to collect deeper soil samples. PCB testing will only be conducted on soil collected with the Geoprobe if the PCB concentration in the 12 to 24-inch sample is greater than 1 mg/kg (except where fill may be present).
4. If the PCBs concentration in the 12 to 24-inch sample is between 1 mg/kg and 50 mg/kg, the subsequent intervals should be tested for PCBs in 12 inch increments until PCB concentrations are less than 1 mg/kg.
5. Fill was placed in areas where previous interim measures were implemented. Any testing for PCBs required in the area where fill was placed will be conducted below the clean fill.

6. At least ten percent of the samples will be sent to the lab to validate the accuracy of the screening tools and to determine the PCB concentrations in soil with high detection limits or soil close to the limits of the screening tool's accuracy.

With these changes and clarifications, the plan is approved for implementation. There is no need to resubmit the plan. The EPA's contractor will oversee some field sampling activities. The EPA does not expect to provide continuous oversight of the work. This work is being performed as additional work under Section VI, paragraph 7 of the 2001 Administrative Order on Consent for Removal Action, which is incorporated as Appendix C of the Partial Consent Decree.

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

Sincerely,



Pamela J. Langston Scully, P.E.
Remedial Project Manager
Restoration and Construction Section

cc: Mr. Ed Turner, AWWSB
Mr. Chip Crockett, ADEM
Mr. G. Douglas Jones, Esq.
Mr. Thomas Dahl

June 30, 2017

Ms. Pamela J. Langston Scully, P.E.
Remedial Project Manager
Superfund Remedial Branch
USEPA – Region IV
61 Forsyth Street, SW
Atlanta, Georgia 30303

Re: Anniston Water Works and Sewer Board Dewatering Facility Project Sampling Plan
(Revised)
Anniston PCB Site, Anniston, Alabama

Dear Ms. Scully:

The Anniston Water Works and Sewer Board (AWWSB) plans on constructing a new dewatering facility including appurtenances (e.g., sanitary sewer, process water lines, underground electrical lines) at its Choccolocco Creek Waste Water Treatment Plant. Approximately 3,125 and 1,600 linear feet of sanitary sewer and process water piping, respectively, will be installed within the 100-year floodplain. An additional 1,768 linear feet of underground electrical lines will also be installed. Sanitary sewer lines will be either force main or gravity flow as shown on Figure 1. All process water piping will be force main. For sewer and process water force main piping, the maximum depth of installation will be 4 feet unless a greater depth is warranted by field conditions (e.g., infrastructure). The depths of gravity flow sanitary sewer piping will be a minimum and maximum of approximately 4 and 12 feet, respectively. The depth of the piping is variable and is a function of the depth of the manhole to which it will tie-in. Generally, piping will be installed by excavating a trench that supports the diameter and depth of the piping. The piping diameters range between 8 to 16 inches, and a 2-foot trench will be excavated to support placement of piping. Electrical lines will be installed in a 1-inch conduit at an approximate 4-foot depth using a trencher or similar.

Solutia Inc. and Monsanto Company (acting on behalf of Pharmacia Corporation), collectively referred to as P/S, plan to provide support to the AWWSB and its contractor to address any Polychlorinated Biphenyl (PCB) impacted soil located within the proposed footprint of the planned piping installation work. Figure 1 identifies the location of the utility piping runs to be installed within the 100-year floodplain and presents PCB data previously collected within this area. P/S propose to conduct pre-characterization sampling on approximate 50-ft centers in areas where intrusive work is to be performed within the 100-year floodplain. This will result in 75 proposed sample locations as shown on Figure 1. Sampling was previously conducted in January 2017 at locations where the proposed dewatering facility and associated pump station are to be located as shown on Figure 1. PCB concentrations in soil were less than 1 part per million (ppm) in soil at these locations.

Prior to commencement of this work, the work locations will be cleared and marked by the AWWSB or others in addition to standard markouts provided by the Alabama 811, one-call system. P/S will stake and locate each sample location using a global positioning system.

Borings will be advanced using a hand auger at 0 to 6 inches and 6 to 12 inches, and a Geoprobe direct push drill rig at 12 to 24 inches followed by two-foot intervals to a depth of 4 to 12 ft bgs. The first two intervals will be field screened on-site. At sample locations within an existing interim measure, borings will be advanced using a Geoprobe direct push drill rig at two-foot intervals to a depth of 4 to 12 ft bgs. Soil cores commencing will be collected to the terminating depth of intrusive work and will be logged and stored for sampling. Samples will be collected from each interval and analyzed for PCBs at 1 and 50 ppm levels using immunoassay field screening methods (United States Environmental Protection Agency [USEPA] Method 4020) for characterization purposes. The first three intervals (i.e., 0 – 6 inches, 6 – 12 inches, and 12 – 24 inches) will be field screened. If the 12 – 24 inch interval indicates a PCB concentration below 1 ppm, the next depth interval will not be analyzed; however, additional samples may be collected based on field observations of fill material used for an existing interim measure and/or lack of soil uniformity in the soil core. Confirmation with fixed-based laboratory analysis using EPA Method 8082 will be performed on a minimum of 10 percent of the field-screening samples. Genesis Project, Inc. will perform all sampling and field screening work in accordance with the approved Anniston PCB Site Quality Assurance Project Plan and Health and Safety Plan (QAPP/HASP). All sampling equipment will be decontaminated after each use following the completion of work.

All sampling will be performed under oversight by the USEPA. Subject to receipt of USEPA approval of this sampling plan and the availability of oversight personnel, we would like to commence sampling the week of July 17, 2017. The total duration of sampling and field screening activities is expected to be between one and two weeks. Laboratory analysis and validation is expected to take up to 4 weeks. This will provide sufficient time to receive and evaluate the sampling results and determine an appropriate course of action to provide support to the AWWSB during construction of its dewatering facility and appurtenances as dictated by sampling results. We anticipate that it will take 5 to 7 days to tabulate the sample data, prepare a sampling report and develop a support workplan to guide any future work required.

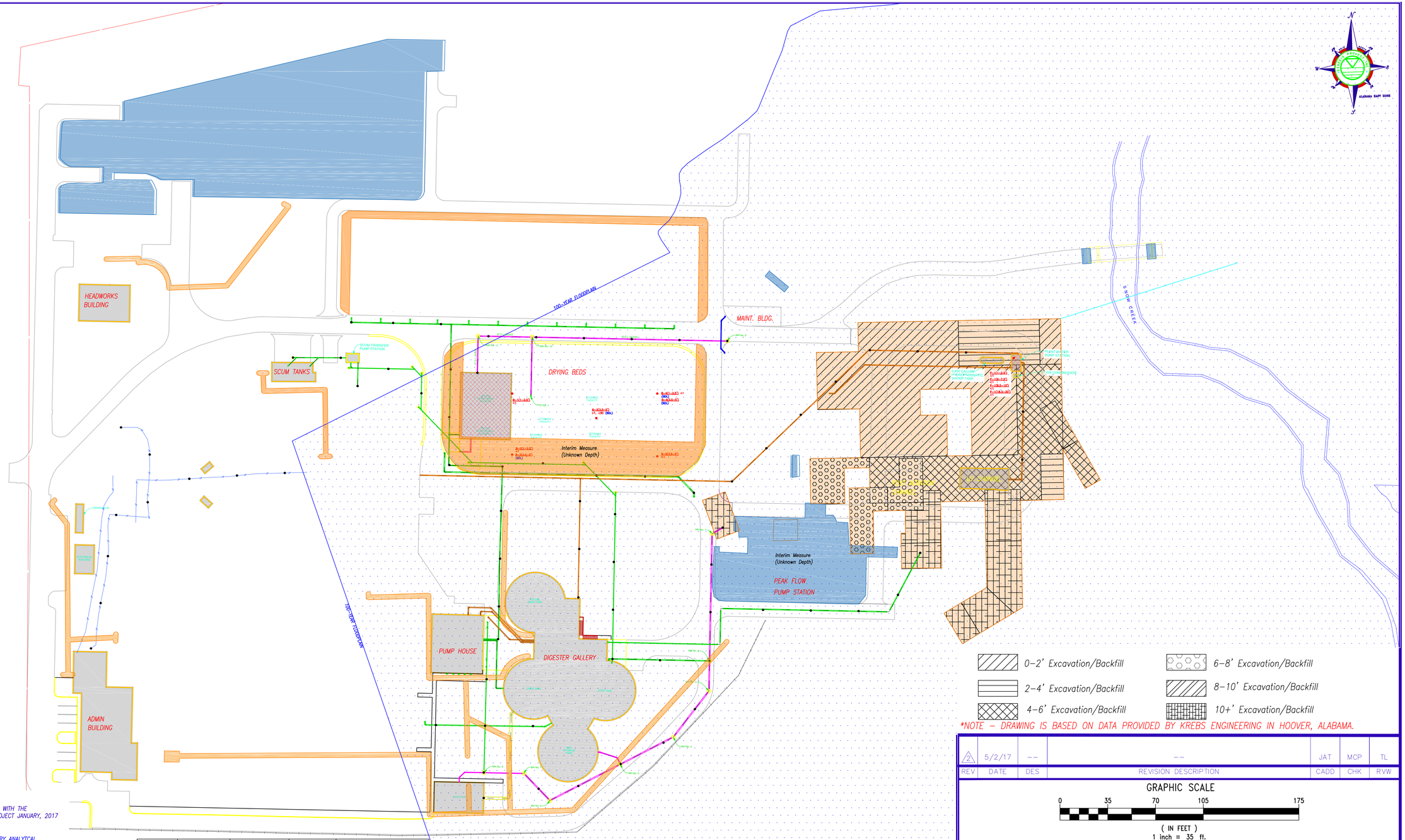
We look forward to receiving your approval of this time critical project. In the interim, please do not hesitate to contact me at 256-231-8404 with any questions or comments that you may have regarding this matter.

Sincerely,

E. Gayle Macolly Harris
Manager, Remedial Projects

attachment

cc: Mr. Ed Turner (AWWSB)
Mr. Chip Crockett (ADEM)
Mr. G. Douglas Jones, Esq.
Mr. Thomas Dahl



0–2' Excavation/Backfill
2–4' Excavation/Backfill
4–6' Excavation/Backfill
6–8' Excavation/Backfill
8–10' Excavation/Backfill
10+' Excavation/Backfill

*NOTE – DRAWING IS BASED ON DATA PROVIDED BY KREBS ENGINEERING IN HOOVER, ALABAMA.

LEGEND

- SOIL SAMPLES COLLECTED IN CONJUNCTION WITH THE ANNISTON WWTP DE-WATERING FACILITY PROJECT JANUARY, 2017
- B-4(1-2.5') <1 (BDL) — SAMPLE ID (SAMPLE DEPTH) FIELD SCREENING RESULT (ppm) LABORATORY ANALYTCAL RESULT (mg/kg)
- PROPOSED SOIL SAMPLE LOCATION
- EXTENT OF PHASE I EXISTING INTERIM MEASURE
- EXTENT OF PHASE II EXISTING INTERIM MEASURE
- SANITARY SEWER LINE LOCATION (NEW GRAVITY FED CONSTRUCTION)
- SANITARY SEWER LINE (NEW FORCE MAIN CONSTRUCTION)
- PROCESS WATER LINE LOCATION (NEW CONSTRUCTION)
- UP — PROPOSED UNDERGROUND POWER LOCATION (NEW CONSTRUCTION)
- NEW BUILDING CONSTRUCTION
- BOUNDARY FENCE

Manhole	Rim Elevation	Invert Elevation	Total Depth	Gravity Fed Pipe Run (Max Depth) Slope Change
MH-1	606.50	602.41	4.09	
MH-2	606.41	603.02	3.39	MH-2 to MH-1 (5') -0.61'
MH-3	606.44	603.23	3.21	MH-3 to MH-2 (4') -0.21'
MH-4	608.21	603.56	4.65	MH-4 to MH-3 (4') -0.33'
MH-5	611.83	603.89	7.94	MH-5 to MH-4 (5') -0.33'
MH-6	614.13	604.31	9.82	MH-6 to MH-5 (8') -0.42'
MH-7	616.13	604.55	11.58	MH-7 to MH-6 (10') -0.24'
MH-8	615.71	604.80	10.91	MH-8 to MH-7 (12') -0.25'
MH-9	608.50	602.89	5.61	
MH-10	608.50	603.70	4.80	MH-10 to MH-9 (6') -0.81'
MH-11	608.50	604.01	4.49	MH-11 to MH-10 (5') -0.31'

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
2	5/2/17	--	--	JAT	MCP	TL

GRAPHIC SCALE

0 35 70 105 175

(IN FEET)
1 inch = 35 ft.

PROPOSED SOIL SAMPLE LOCATIONS ANNISTON WWTP OVERALL SITE PIPING SOLUTIA, ANNISTON PCB SITE ANNISTON, ALABAMA

Genesis Project, Inc. ENVIRONMENTAL SERVICES.
Smyrna, GA

PROJECT No.		CCWWTP	FILE No. --
DESIGN	JAT	4/21/17	SCALE AS SHOWN REV. --
CADD	JAT	4/21/17	Figure 1
CHECK	TL	4/24/17	
REVIEW	TL	4/28/17	

Attachment II
Field Screening Results

Data for SDI PCB EnSys® 12T Soil Test

Operator: Michael Price Date: 7/28/17 Location: AWWSB-Dewatering Facility

Sample ID	ΔOD Standards	OD sample ____ ppm	Interpretation	OD sample ____ ppm	Interpretation	Comments
DWF-1 (0-6")	-0.06	-0.55	>1	0.55	<50	1ppm - light color
DWF-1 (6-12")	↓	1.35	<1	0.60	<50	
DWF-2 (0-6")	↓	-0.30	<1 >1	1.27	<50	1ppm - lt. med color
DWF-2 (6-12")	↓	0.40	<1	1.54	<50	
DWF-2 (12-24")	-0.06	0.25	<1	0.53	<50	
DWF-3 (0-6")	-0.11	0.36	<1	0.60	<50	
DWF-4 (0-6")	↓	0.22	<1	0.69	<50	
DWF-4 (6-12")	↓	0.16	<1	0.53	<50	
DWF-4 (12-24")	↓	1.52	<1	0.64	<50	
DWF-5 (0-6")	-0.11	-0.06	>1	0.73	<50	1ppm - lt. med. color
DWF-7 (0-6")	-0.15	0.22	<1	0.62	<50	
DWF-7 (6-12")	↓	-0.34	>1	0.77	<50	1ppm - lt. med color
DWF-7 (12-24")	↓	0.29	<1	0.38	<50	
DWF-8 (0-6")	↓	-0.17	>1	0.51	<50	1ppm - med color
DWF-9 (6-12")	-0.15	-0.46	>1	0.31	<50	1ppm - lt. color

Data for SDI PCB EnSys® 12T Soil Test

Operator: Michael Price Date: 7/31/12 Location: AWWSB - Dewatering facility

Sample ID	ΔOD Standards	OD sample 1 ppm	Interpretation	OD sample 50 ppm	Interpretation	Comments
DWF-9 (0-6")	-0.03	0.01	<1	0.33	<50	
DWF-9 (12-24")		0.80	<1	0.64	<50	
DWF-11 (0-6")		0.44	<1	0.76	<50	
DWF-10 (6-12")		0.48	<1	0.74	<50	
DWF-10 (12-24")	-0.03	0.61	<1	0.68	<50	
DWF-9 (12-24)-X	-0.07	0.49	<1	0.64	<50	
DWF-10 (0-6")		0.73	<1	0.63	<50	
DWF-11 (6-12")		0.58	<1	0.67	<50	
DWF-11 (12-24")		0.39	<1	0.62	<50	
DWF-12 (0-6")	-0.07	-0.41	>1	0.52	<50	1ppm - no color
DWF-12 (6-12")	-0.01	-0.40	>1	0.47	<50	1ppm - lt. color
DWF-12 (12-24")		-0.49	>1	0.47	<50	1ppm - no color
DWF-13 (0-6")		-0.13	>1	0.43	<50	1ppm - lt. med color
DWF-13 (6-12")		-0.53	>1	0.50	<50	1ppm - no color
DWF-13 (12-24")	-0.01	0.14	<1	0.50	<50	

Data for SDI PCB EnSys® 12T Soil Test

Operator: Michael Price Date: 8/1/17 Location: AWWSB-Dewatering Facility

Sample ID	ΔOD Standards	OD sample 1 ppm	Interpretation	OD sample 50 ppm	Interpretation	Comments
DWF-14 (0-6")	-0.04	0.36	<1	0.67	<50	
DWF-14 (6-12")	↓	0.60	<1	0.64	<50	
DWF-14 (12-24")	↓	0.61	<1	0.89	<50	
DWF-15 (0-6")	↓	0.41	<1	0.73	<50	
DWF-15 (6-12")	-0.04	0.55	<1	0.64	<50	
DWF-15 (0-6")-X	-0.01	0.40	<1	0.65	<50	
DWF-15 (12-24")	↓	0.13	<1	0.55	<50	
DWF-16 (0-6")	↓	-0.44	>1	0.68	<50	1ppm - no color
DWF-16 (6-12")	↓	-0.42	>1	0.52	<50	1ppm - no color
DWF-16 (12-24")	-0.01	-0.38	>1	0.49	<50	1ppm - faint color
DWF-17 (0-6")	-0.04	-0.62	>1	0.27	<50	1ppm - no color
DWF-17 (6-12")	↓	-0.32	>1	0.33	<50	1ppm - lt. color
DWF-17 (12-24")	↓	-0.02	>1	0.30	<50	1ppm - medium color
DWF-18 (0-6")	↓	0.30	<1	0.42	<50	
DWF-18 (6-12")	-0.04	-0.37	>1	0.36	<50	1ppm - lt. color

Data for SDI PCB EnSys® 12T Soil Test

Operator: Michael Price Date: 8/1/17 Location: AWWSB-Dewatering Facility

Sample ID	ΔOD Standards	OD sample 1 ppm	Interpretation	OD sample 50 ppm	Interpretation	Comments
DWF-18 (12-24")	-0.23	0.44	<1	0.57	<50	
DWF-19 (0-6")	↓	-0.24	>1	0.41	<50	1ppm-lt. med color
DWF-19 (6-12")	↓	0.31	<1	0.47	<50	
DWF-19 (12-24")	↓	0.30	<1	0.36	<50	
DWF-20 (0-6")	-0.23	-0.37	>1	0.31	<50	1ppm-lt. color

Data for SDI PCB EnSys® 12T Soil Test

Operator: wfm | Date: 8/1/17 | Location: AWWSB - Dewatering facility

Sample ID	ΔOD Standards	OD sample 1 ppm	Interpretation	OD sample 50 ppm	Interpretation	Comments
DWf-20 (6-12")	-0.00	-0.24	>1	0.58	<50	1= light color
DWf-20 (12-24")	↓	0.37	<1	0.53	<50	
DWf-21 (0-6")	↓	0.20	<1	0.59	<50	
DWf-21 (6-12")	↓	0.45	<1	0.60	<50	
DWf-21 (12-24")	-0.00	0.38	<1	0.46	<50	
DWf-22 (0-6")	-0.04	-0.46	>1	0.44	<50	1= No color
DWf-22 (6-12")	↓	-0.36	>1	0.66	<50	1= faint color
DWf-22 (12-24")	↓	0.53	<1	0.59	<50	
DWf-23 (0-6")	↓	0.02	<1	0.59	<50	
DWf-24 (0-6")	-0.04	-0.52	>1	0.11	<50	1= No color

Data for SDI PCB EnSys® 12T Soil Test

Operator: WPM Date: 8/2/17 Location: AWWSB - Dewatering Facility

Sample ID	ΔOD Standards	OD sample 1 ppm	Interpretation	OD sample 50 ppm	Interpretation	Comments
DWF-24 (6-12")	-0.00	-0.03	> 1	0.63	< 50	1 - Strong color
DWF-24 (12-24")	↓	0.01	< 1	0.64	< 50	
DWF-25 (0-6")	↓	-0.23	> 1	0.42	< 50	1 - light color
DWF-25 (6-12")	↓	-0.11	> 1	0.48	< 50	1 - Strong color
DWF-25 (12-24")	-0.00	0.02	< 1	0.45	< 50	
DWF-26 (0-6")	-0.02	-0.29	> 1	0.36	< 50	1 - light color
DWF-26 (12-24")	↓	0.38	< 1	0.56	< 50	
DWF-27 (0-6")	↓	-0.14	> 1	0.31	< 50	1 - light color
DWF-28 (0-6")	↓	-0.40	> 1	0.26	< 50	1 - No color
DWF-26 (6-12")	-0.02	0.22	< 1	0.53	< 50	
DWF-27 (0-6") - X	-0.10	-0.84	> 1	0.37	< 50	1 - Strong color
DWF-29 (0-6")	↓	-0.32	> 1	0.47	< 50	1 - light color
DWF-29 (6-12")	↓	-0.05	> 1	0.53	< 50	1 - Strong color
DWF-29 (12-24")	↓	-0.42	> 1	0.35	< 50	1 - light color
DWF-30 (0-6")	-0.10	0.09	< 1	0.44	< 50	

Data for SDI PCB EnSys® 12T Soil Test

15D4042

Operator: wfm | Date: 8/2/17 | Location: AWW33 - Dewatering Facility

Sample ID	ΔOD Standards	OD sample 1 ppm	Interpretation	OD sample 50 ppm	Interpretation	Comments
DWf-30 (0-12")	-0.09	-0.42	> 1	0.48	< 50	1- Faint color
DWf-30 (12-24")	↓	-0.47	> 1	0.49	< 50	1- Faint color
DWf-31 (0-6")	↓	0.56	< 1	0.64	< 50	
DWf-31 (6-12")	↓	0.61	< 1	0.52	< 50	
DWf-31 (12-24")	-0.09	0.54	< 1	0.65	< 50	
DWf-32 (0-6")	-0.02	-0.08	> 1	0.65	< 50	1- light color
DWf-32 (6-12")	↓	-0.32	> 1	0.47	< 50	1- Faint color
DWf-32 (12-24")	↓	0.02	< 1	0.68	< 50	
DWf-33 (0-6")	↓	-0.31	> 1	0.57	< 50	1- No color
DWf-33 (6-12")	+0.02	-0.33	> 1	0.57	< 50	1- No color
DWf-33 (12-24")	-0.01	-0.09	> 1	0.64	< 50	1- light color
DWf-34 (0-6")	↓	-0.38	> 1	0.42	< 50	1- No color
DWf-34 (6-12")	↓	0.35	< 1	0.58	< 50	
DWf-34 (12-24")	↓	0.32	< 1	0.64	< 50	
DWf-35 (0-6")	-0.01	-0.13	> 1	0.55	< 50	1- light color

Data for SDI PCB EnSys® 12T Soil Test

ISO 4043

Operator: Wfh | Date: 8/2/17 | Location: AWWSB - Dewatering facility

Sample ID	ΔOD Standards	OD sample 1 ppm	Interpretation	OD sample 50 ppm	Interpretation	Comments
DWf-35 (6-12")	-0.08	0.11	< 1	0.49	< 50	
DWf-35 (12-24")	↓	0.07	< 1	0.59	< 50	
DWf-36 (0-6")	↓	-0.54	> 1	0.32	< 50	1- No color
DWf-36 (6-12")	↓	-0.09	> 1	0.55	< 50	1-Strong color
DWf-36 (12-24")	-0.08	-0.46	> 1	0.34	< 50	1-No color
DWf-37 (0-6")	-0.06	-0.11	> 1	0.52	< 50	1-Strong color
DWf-37 (6-12")	↓	0.06	< 1	0.54	< 50	
DWf-37 (12-24")	↓	0.14	< 1	0.48	< 50	
DWf-38 (0-6")	↓	-0.06	> 1	0.44	< 50	1-Strong color
DWf-38 (6-12")	-0.06	0.28	< 1	0.40	< 50	
DWf-37 (6-12)-X	-0.03	-0.02	> 1	0.85	< 50	1-light color
DWf-38 (12-24)	↓	0.69	< 1	0.74	< 50	
DWf-39 (0-6")	↓	-0.29	> 1	0.56	< 50	1 ~~-light color~~ faint color (with)
DWf-39 (6-12")	↓	0.17	< 1	0.64	< 50	
DWf-39 (12-24")	-0.03	0.41	< 1	0.66	< 50	

Data for SDI PCB EnSys® 12T Soil Test

Operator: WFM Date: 8/2/17 Location: AWWTP - Dewatering Facility

Sample ID	ΔOD Standards	OD sample 1 ppm	Interpretation	OD sample 50 ppm	Interpretation	Comments
DWF-40 (0-6")	-0.05	-0.41	> 1	0.13	< 50	1-No color
DWF-40 (6-12")	↓	-0.19	> 1	0.62	< 50	1-faint color
DWF-41 (0-6")	↓	-0.36	> 1	0.25	< 50	1-No color
DWF-41 (6-12")	↓	0.33	< 1	0.60	< 50	
DWF-42 (0-6")	-0.05	0.46	< 1	0.57	< 50	

Data for SDI PCB EnSys® 12T Soil Test

Operator: WFM Date: 8/3/17 Location: AWWSB - Dewatering facility

Sample ID	ΔOD Standards	OD sample 1 ppm	Interpretation	OD sample 50 ppm	Interpretation	Comments
DWF-42 (6-12")	-0.00	0.66	< 1	0.65	< 50	
DWF-42 (12-24")	↓	0.48	< 1	0.71	< 50	
DWF-43 (0-6")	↓	0.26	< 1	0.75	< 50	
DWF-43 (6-12")	↓	0.57	< 1	0.62	< 50	
DWF-43 (12-24")	-0.00	0.59	< 1	0.71	< 50	
DWF-52 (0-6")	-0.07	0.11	< 1	0.62	< 50	
DWF-52 (6-12")	↓	0.36	< 1	0.56	< 50	
DWF-53 (0-6")	↓	0.10	< 1	0.48	< 50	
DWF-53 (6-12")	↓	0.48	< 1	0.48	< 50	
DWF-53 (12-24")	-0.07	0.61	< 1	0.46	< 50	
DWF-55 (6-12")-X	-0.05	0.13	< 1	0.42	< 50	
DWF-55 (12-24")	↓	-0.11	> 1	0.60	< 50	1-light color
DWF-44 (0-6")	↓	-0.25	> 1	0.53	< 50	1-light color
DWF-44 (6-12")	↓	-0.17	> 1	0.38	< 50	1-light color
DWF-45 (0-6")	-0.05	-0.39	> 1	0.47	< 50	1-No color

Data for SDI PCB EnSys® 12T Soil Test

Operator: WFM | Date: 8/3/17 | Location: AWWSB - Dewatering facility

Sample ID	ΔOD Standards	OD sample 1 ppm	Interpretation	OD sample 50 ppm	Interpretation	Comments
DWF-54 (0-6")	-0.00	-0.22	> 1	0.31	< 50	1- faint color
DWF-54 (6-12")	↓	0.05	< 1	0.58	< 50	
DWF-54 (12-24")		0.62	< 1	0.60	< 50	
DWF-55 (0-6")	↓	-0.13	> 1	0.52	< 50	1-light color
DWF-55 (6-12")	-0.00	-0.20	> 1	0.60	< 50	1-light color
DWF-46 (0-6")	-0.27	-0.60	> 1	0.25	< 50	1-faint color
DWF-47 (0-6")	↓	0.42	< 1	0.69	< 50	
DWF-47 (6-12")		0.46	< 1	0.48	< 50	
DWF-47 (12-24")	↓	-0.60	> 1	0.31	< 50	1-faint color
DWF-48 (0-6")	-0.27	-0.66	> 1	0.26	< 50	1-No color
DWF-48 (6-12")	-0.00	-0.37	> 1	0.58	< 50	1-No color
DWF-48 (12-24")	↓	-0.28	> 1	0.18	< 50	1-No color
DWF-49 (0-6")	↓	0.38	< 1	0.73	< 50	
DWF-49 (6-12")	↓	0.56	< 1	0.78	< 50	
DWF-49 (12-24")	-0.00	0.44	< 1	0.79	< 50	

Data for SDI PCB EnSys® 12T Soil Test

Operator: Wfm | Date: 8/3/17 | Location: AWWSB - Dewatering facility

Sample ID	ΔOD Standards	OD sample 1 ppm	Interpretation	OD sample 5 ppm	Interpretation	Comments
DWF-46 (0-6)-X	-0.06	-0.42	> 1	0.70	< 50	1-faint color
DWF-46 (6-12)-X	↓	0.41	< 1	0.72	< 50	
DWF-50 (0-6)	↓	0.10	< 1	0.73	< 50	
DWF-50 (6-12")	↓	-0.20	> 1	0.64	< 50	1-light color
DWF-50 (12-24")	-0.06	0.48	< 1	0.58	< 50	
DWF-51 (0-6")	-0.01	0.42	< 1	0.80	< 50	
DWF-51 (6-12")	↓	0.63	< 1	0.76	< 50	
DWF-51 (12-24")	-0.01	0.76	< 1	0.74	< 50	

Data for SDI PCB EnSys® 12T Soil Test

Operator: Michael Price Date: 8/22/17 Location: AWWSB-Dewatering Facility

Sample ID	ΔOD Standards	OD sample 1 ppm	Interpretation	OD sample 50 ppm	Interpretation	Comments
DWF-56 (0-6")	-0.01	-0.12	>1	0.82	<50	1ppm - lt. med color
DWF-56 (6-12")	↓	0.11	<1	0.76	<50	
DWF-56 (12-24")	↓	0.73	<1	0.81	<50	
DWF-1 (12-24")	↓	-0.43	>1	0.53	<50	1ppm - no color
DWF-5 (6-12")	-0.01	-0.38	>1	0.57	<50	1ppm - no color
DWF-56 (0-6")-X	-0.01	-0.10	>1	0.66	<50	1ppm - lt. med color
DWF-5 (12-24")	↓	-0.38	>1	0.74	<50	1ppm - faint color
DWF-1 (24-36")	↓	0.40	<1	0.56	<50	
DWF-8 (6-12")	↓	-0.18	>1	0.67	<50	1ppm - light color
DWF-8 (12-24")	-0.01	0.13	<1	0.57	<50	
DWF-24 (24-36")	-0.02	0.76	<1	0.84	<50	
DWF-27 (6-12")	↓	0.15	<1	0.72	<50	
DWF-27 (12-24")	↓	-0.02	~~<1~~ >1	0.71	<50	1ppm - med color
DWF-28 (6-12")	↓	-0.12	>1	0.69	<50	1ppm - lt. med color
DWF-28 (12-24")	-0.02	0.19	<1	0.71	<50	

Data for SDI PCB EnSys® 12T Soil Test

Operator: Michael Price | Date: 8/23/17 | Location: AWWSB - Dewatering facility

Sample ID	ΔOD Standards	OD sample 1 ppm	Interpretation	OD sample 50 ppm	Interpretation	Comments
DWF-29 (24-36")	-0.02	0.53	<1	0.53	<50	
DWF-5 (24-36")		0.51	<1	0.50	<50	
DWF-48 (24-36")		0.50	<1	0.54	<50	
DWF-45 (6-12")		-0.53	>1	0.36	<50	1ppm-faint color
DWF-45 (12-24")	-0.02	0.44	<1	0.49	<50	
DWF-45(12-24")-X	-0.02	0.51	<1	0.97	<50	
DWF-47 (24-36")		-0.47	>1	0.59	<50	1ppm - no color
DWF-46 (6-12")		-0.48	>1	0.67	<50	1ppm-no color
DWF-46 (12-24")		-0.41	>1	0.86	<50	1ppm-faint color
DWF-59 (0-6")	-0.02	-0.07	>1	0.86	<50	1ppm-lt. med color
DWF-59 (6-12")	-0.07	-0.23	>1	0.66	<50	1ppm-lt. med color
DWF-59 (12-24")		-0.55	>1	0.47	<50	1ppm-no color
DWF-47 (36-40")		-0.28	>1	0.71	<50	1ppm-lt. med color
DWF-46 (24-36")		-0.02	>1	0.67	<50	1ppm-medium color
DWF-30 (24-36")	-0.07	-0.08	>1	0.71	<50	1ppm-medium color

Data for SDI PCB EnSys® 12T Soil Test

Operator: Michael Place Date: 8/23/17 Location: AWWSB-Dewatering Facility

Sample ID	ΔOD Standards	OD sample 1 ppm	Interpretation	OD sample 50 ppm	Interpretation	Comments
DWF-52 (12-24")	-0.01	0.82	<1	0.79	<50	
DWF-55 (24-36")		-0.46	>1	0.74	<50	1ppm-no color
DWF-30 (24-36")-X		0.19	<1	0.76	<50	
DWF-59 (24-36")		-0.13	>1	0.69	<50	1ppm-lt. med. color
DWF-30 (36-48")	-0.01	-0.33	>1	0.72	<50	1ppm-light color

Data for SDI PCB EnSys® 12T Soil Test

Operator: Michael Price | Date: 8/24/17 | Location: AWWSB-Dewatering Facility

Sample ID	ΔOD Standards	OD sample ____ ppm	Interpretation	OD sample ____ ppm	Interpretation	Comments
DWF-55 (36-48")	-0.18	0.52	<1	0.58	<50	
DWF-6A (0-6")		-0.53	>1	0.48	<50	1ppm - faint color
DWF-6A (6-12")		-0.45	>1	0.45	<50	1ppm - very light color
DWF-6A (12-24")		0.53	<1	0.53	<50	
DWF-64 (0-6")	-0.18	-0.63	>1	0.09	<50	1ppm - no color
DWF-64 (6-12")	-0.08	-0.51	>1	0.45	<50	1ppm - no color
DWF-64 (12-24")		0.20	<1	0.69	<50	
DWF-65 (0-6")		0.18	<1	0.66	<50	
DWF-65 (6-12")		0.35	<1	0.65	<50	
DWF-65 (12-24")	-0.08	0.48	<1	0.64	<50	
DWF-16 (24-36")	-0.10	0.49	<1	0.55	<50	
DWF-58 (0-6")		0.18	<1	0.37	<50	
DWF-58 (6-12")		-0.54	>1	0.41	<50	1ppm - light color
DWF-58 (12-24")		-0.64	>1	0.03	<50	1ppm - no color
DWF-60 (12-24")	-0.10	-0.57	>1	0.31	<50	1ppm - faint color

Data for SDI PCB EnSys® 12T Soil Test

Operator: Michael Price Date: 8/24/17 Location: AWWSB - Dewatering Facility

Sample ID	ΔOD Standards	OD sample 1 ppm	Interpretation	OD sample 50 ppm	Interpretation	Comments
DWF-60 (0-6")	-0.02	-0.47	>1	0.50	<50	1ppm - faint color
DWF-60 (6-12")	↓	-0.48	>1	0.46	<50	1ppm - no color
DWF-59 (36-48")	↓	-0.51	>1	0.36	<50	1ppm - no color
DWF-58 (24-36")	↓	-0.49	>1	0.08	<50	1ppm - no color
DWF-60 (24-36")	-0.02	0.40	<1	0.64	<50	

Data for SDI PCB EnSys® 12T Soil Test

Operator: Michael Price Date: 8/23/17 Location: AWSB- Dewatering facility

Sample ID	ΔOD Standards	OD sample 1 ppm	Interpretation	OD sample 50 ppm	Interpretation	Comments
DWF-58 (36-48")	-0.01	-0.40	>1	0.67	<50	1ppm - faint color
DWF-44 (12-24")		-0.17	>1	0.62	<50	1ppm - lt. med color
DWF-61 (0-6")		0.36	<1	0.61	<50	
DWF-61 (6-12")		0.62	<1	0.66	<50	
DWF-61 (12-24")	-0.01	0.63	<1	0.66	<50	
DWF-6 (0-6")	-0.02	0.35	<1	0.91	<50	
DWF-6 (6-12")		0.25	<1	0.66	<50	
DWF-6 (12-24")		-0.03	>1	0.74	<50	1ppm - med. color
DWF-41 (12-24")		0.38	<1	0.64	<50	
DWF-12 (24-36")	-0.02	-0.06	>1	0.63	<50	1ppm - med. color
DWF-57 (0-6")	-0.03	0.81	<1	0.77	<50	
DWF-57 (6-12")		0.92	<1	0.81	<50	
DWF-57 (12-24")		0.77	<1	0.79	<50	
DWF-36 (24-36")		0.13	<1	0.62	<50	
DWF-40 (12-24")	-0.03	0.82	<1	0.85	<50	

Data for SDI PCB EnSys® 12T Soil Test

Operator: Michael Price Date: 8/28/17 Location: AWWSB Dewatering Facility

Sample ID	ΔOD Standards	OD sample 1 ppm	Interpretation	OD sample 50 ppm	Interpretation	Comments
DWF-57 (6-12")-X	-0.00	0.79	<1	0.72	<50	
DWF-41 (12-24")-X		0.53	<1	0.65	<50	
DWF-33 (24-36")		0.35	<1	0.81	<50	
DWF-12 (36-48")		0.50	<1	0.82	<50	
DWF-63 (12-24")	-0.00	0.62	<1	0.83	<50	

Data for SDI PCB EnSys® 12T Soil Test

Operator: Michael Price Date: 8/29/17 Location: AWWSB - Dewatering facility

Sample ID	ΔOD Standards	OD sample 1 ppm	Interpretation	OD sample 50 ppm	Interpretation	Comments
DWF-23 (12-24")	-0.04	0.53	<1	0.84	<50	
DWF-44 (24-36")	↓	0.13	<1	0.64	<50	
DWF-63 (0-6")	↓	0.47	<1	0.60	<50	
DWF-63 (6-12")	↓	0.63	<1	0.62	<50	
DWF-62 (12-24")	-0.04	0.53	<1	0.66	<50	
DWF-23 (6-12")	-0.10	0.08	<1	0.56	<50	
DWF-62 (0-6")	↓	0.22	<1	0.57	<50	
DWF-62 (6-12")	-0.10	0.50	<1	0.59	<50	

Data for SDI PCB EnSys® 12T Soil Test

Operator: Michael Price Date: 8/30/17 Location: AWWSB-Dewatering Facility

Sample ID	ΔOD Standards	OD sample 1 ppm	Interpretation	OD sample 50 ppm	Interpretation	Comments
DWF-3 (6-12")	-0.02	-0.01	>1	0.51	<50	1ppm - medium color
DWF-3 (12-24")	-0.02	0.05	<1	0.60	<50	

Data for SDI PCB EnSys® 12T Soil Test

Operator: Michael Price Date: 9/27/17 Location: AWWSB-Dewatering Facility

Sample ID	ΔOD Standards	OD sample 1 ppm	Interpretation	OD sample 50 ppm	Interpretation	Comments
DWF-27 (24-36")	0.07	0.54	<1	0.84	<50	

Attachment III
Validated Laboratory Analytical Reports

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Company Name: _____ Project Manager: _____

Project Name: Solutia AWWSB – Dewatering Facility Project Number: _____

Reviewer: Michael Price Validation Date: 08/16/2017

Laboratory: Test America Savannah SDG #:680-141783-1

Analytical Method (type and no.): PCB (8081B/8082A)

Matrix: ☐ Air ☒ Soil/Sed. ☒ Water ☐ Waste ☐ _____

Sample Names: DWF-5 (0-6"), DWF-9 (12-24"), DWF-11 (0-6"), DWF-13 (6-12"), DWF-14 (0-6"), DWF-17 (12-24"), DWF-21 (6-12"), DWF-24 (12-24"), DWF-28 (0-6"), DWF-33 (12-24"), DWF-37 (6-12"), DWF-37 (6-12")-X, DWF-40 (0-6"), DWF-42 (6-12"), DWF-48 (0-6"), DWF-49 (12-24"), DWF-55 (0-6"), DWF-55 (6-12"), DWF-55 (6-12")-X, DWF-9 (12-24")-Y, DWF-55 (0-6")-Y, DWF-15 (0-6")-Y

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☒	☐	☐	
b) Sampling team indicated?	☒	☐	☐	
c) Sample location noted?	☒	☐	☐	
d) Sample depth indicated (Soils)?	☒	☐	☐	
e) Sample type indicated (grab/composite)?	☒	☐	☐	
f) Field QC noted?	☒	☐	☐	
g) Field parameters collected (note types)?	☐	☒	☐	
h) Field Calibration within control limits?	☐	☐	☒	
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☒	☐	
j) Does the laboratory narrative indicate deficiencies?	☒	☐	☐	

Note Deficiencies: Sample DWF-15 (0-6")-Y was received by the laboratory but was not listed on the chain of custody. This sample was shipped to the laboratory in error.

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☒	☐	☐	
b) Was the COC signed by both field and laboratory personnel?	☒	☐	☐	
c) Were samples received in good condition?	☒	☐	☐	

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☒	☒	☐	Samples DWF-9 (12-24")-Y and DWF-15
b) Were hold times met for sample analysis?	☒	☐	☐	(0-6")-Y were extracted out of hold.
c) Were the correct preservatives used?	☒	☐	☐	
d) Was the correct method used?	☒	☐	☐	
e) Were appropriate reporting limits achieved?	☒	☐	☐	
f) Were any sample dilutions noted?	☒	☐	☐	Elevated concentrations required dilutions
g) Were any matrix problems noted?	☒	☐	☐	1268 Interference w/ DCB

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☒	☐	
b) Were analytes detected in the field blank(s)?	☐	☐	☒	
c) Were analytes detected in the equipment blank(s)?	☐	☒	☐	
d) Were analytes detected in the trip blank(s)?	☐	☐	☒	

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☒	☐	☐	
b) Were the proper compounds included in the LCS?	☒	☐	☐	
c) Was the LCS accuracy criteria met?	☒	☐	☐	

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?				DWF-37 (6-12") and DWF-37 (6-12")-X
	☒	☐	☐	1254 <2XDL; 1260 9.5%; 1268 <2XDL
b) Were field dup. precision criteria met (note RPD)?	☒	☐	☐	DWF-55 (0-6") and DWF-55 (0-6")-X
c) Were lab duplicates analyzed (note original and duplicate samples)?				1254 11.7%; 1260 16.4%; 1268 <2XDL
	☐	☒	☐	
d) Were lab dup. precision criteria met (note RPD)?	☐	☐	☒	

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☒	☐	
b) Was the %D within control limits?	☐	☐	☒	

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met?	☒	☐	☐	
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	
b) Was MSD accuracy criteria met?	☒	☐	☐	
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	
c) Were MS/MSD precision criteria met?	☒	☐	☐	

Surrogate Spikes	YES	NO	NA	COMMENTS
a) Were surrogate recoveries within control limits?	☒	☒	☐	See below
b) Were surrogate recoveries not calculated due to dilutions?	☐	☒	☐	

Comments/Notes:

Several samples had elevated DCB recoveries with 1268 present, TCX recoveries acceptable, no data affected. Several samples had acceptable DCB recoveries with 1268 present, TCX recoveries acceptable, no data affected. Sample DWF-9 (12-24")-Y had low DCB recovery w/o 1268 present, TCX recoveries acceptable, all data BDL and qualified as estimated (UJ). Two samples (DWF-49 (12-24") and DWF-55 (6-12")) had DCB recoveries below the laboratory limits, but within the functional guideline limits, no data affected.

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason
DWF-5 (0-6")	1268	72	J	>40%D between columns.
DWF-9 (12-24")-Y	All Aroclors	BDL	UJ	Extracted out of hold and low DCB recovery.
DWF-13 (6-12")	1268	480	J	>40%D between columns.
DWF-17 (12-24")	1268	47	J	>40%D between columns.
DWF-24 (12-24")	1268	120	J	>40%D between columns.
DWF-28 (0-6")	1268	250	J	>40%D between columns.
DWF-33 (12-24")	1268	120	J	>40%D between columns.
DWF-37 (6-12")	1268	46	J	>40%D between columns.
DWF-37 (6-12")	1268	50	J	>40%D between columns.
DWF-40 (0-6")	1268	130	J	>40%D between columns.
DWF-55 (0-6")	1268	50	J	>40%D between columns.
DWF-55 (6-12")	1268	55	J	>40%D between columns.
DWF-55 (6-12")	1268	74	J	>40%D between columns.
DWF-15 (0-6")-Y	All Aroclors	BDL	UJ	Extracted out of hold.

Signature: _____ Date: 08/16/2017

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-141783-1
Client Project/Site: AWWSB-Dewatering Facility OU4
Revision: 2

For:
Solutia Inc.
702 Clydesdale Ave.
Anniston, Alabama 36201-5328

Attn: Ms. Gayle Macolly

Michele R Kersey

Authorized for release by:
8/17/2017 11:15:34 AM

Michele Kersey, Project Manager II
(912)354-7858
michele.kersey@testamericainc.com

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
X	Surrogate is outside control limits
H	Sample was prepped or analyzed beyond the specified holding time

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 680-141783-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Solutia Inc.

Project: AWWSB-Dewatering Facility OU4

Report Number: 680-141783-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 8/4/2017 9:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.8° C and 2.9° C.

NOTE: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: Dwf-9 (12-24") (680-141783-2) and Dwf-15 (0-6")-Y (680-141783-23).

NOTE: Report revised 8/17/17 to correct the following sample ids and time sampled: Dwf-9 (12-24") (680-141783-2) 09:20 updated to Dwf-9 (12-24")-Y 12:20; Dwf-9 (12-24")-Y (680-141783-21) 12:20 updated to Dwf-9 (12-24") 09:20.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples Dwf-5 (0-6") (680-141783-1), Dwf-11 (0-6") (680-141783-3), Dwf-13 (6-12") (680-141783-4), Dwf-14 (0-6") (680-141783-5), Dwf-17 (12-24") (680-141783-6), Dwf-21 (6-12") (680-141783-7), Dwf-24 (12-24") (680-141783-8), Dwf-28 (0-6") (680-141783-9), Dwf-33 (12-24") (680-141783-10), Dwf-37 (6-12") (680-141783-11), Dwf-37 (6-12")-X (680-141783-12), Dwf-40 (0-6") (680-141783-13), Dwf-42 (6-12") (680-141783-14), Dwf-47 (12-24") (680-141783-15), Dwf-48 (0-6") (680-141783-16), Dwf-49 (12-24") (680-141783-17), Dwf-55 (0-6") (680-141783-18), Dwf-55 (6-12") (680-141783-19), Dwf-55 (6-12")-X (680-141783-20) and Dwf-9 (12-24") (680-141783-21) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 08/07/2017 and analyzed on 08/08/2017 and 08/09/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

The following samples contained an allowable number of surrogate compounds outside limits: Dwf-49 (12-24") (680-141783-17) and Dwf-55 (6-12") (680-141783-19). These results have been reported and qualified.

The following samples contained an allowable number of surrogate compounds outside limits: Dwf-13 (6-12") (680-141783-4), Dwf-28 (0-6") (680-141783-9) and Dwf-48 (0-6") (680-141783-16). These results have been reported and qualified.

Samples Dwf-13 (6-12") (680-141783-4)[5X], Dwf-28 (0-6") (680-141783-9)[5X] and Dwf-48 (0-6") (680-141783-16)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples Dwf-9 (12-24")-Y (680-141783-2), Dwf-55 (0-6")--Y (680-141783-22) and Dwf-15 (0-6")-Y (680-141783-23) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 08/07/2017 and

Job ID: 680-141783-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

analyzed on 08/08/2017.

The following sample contained an allowable number of surrogate compounds outside limits: Dwf-9 (12-24")-Y (680-141783-2). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-5 (0-6") — Lab Sample ID: 680-141783-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	700		35		ug/Kg	1	☼	8082A	Total/NA
PCB-1260	440		35		ug/Kg	1	☼	8082A	Total/NA
PCB-1268	72	p	35		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: Dwf-9 (12-24")-Y — Lab Sample ID: 680-141783-2

No Detections.

Client Sample ID: Dwf-11 (0-6") — Lab Sample ID: 680-141783-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	83		35		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: Dwf-13 (6-12") — Lab Sample ID: 680-141783-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	380		190		ug/Kg	5	☼	8082A	Total/NA
PCB-1260	2200		190		ug/Kg	5	☼	8082A	Total/NA
PCB-1268	480	p	190		ug/Kg	5	☼	8082A	Total/NA

Client Sample ID: Dwf-14 (0-6") — Lab Sample ID: 680-141783-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	74		41		ug/Kg	1	☼	8082A	Total/NA
PCB-1260	160		41		ug/Kg	1	☼	8082A	Total/NA
PCB-1268	76		41		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: Dwf-17 (12-24") — Lab Sample ID: 680-141783-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	130		39		ug/Kg	1	☼	8082A	Total/NA
PCB-1260	210		39		ug/Kg	1	☼	8082A	Total/NA
PCB-1268	47	p	39		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: Dwf-21 (6-12") — Lab Sample ID: 680-141783-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1260	94		40		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: Dwf-24 (12-24") — Lab Sample ID: 680-141783-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	450		39		ug/Kg	1	☼	8082A	Total/NA
PCB-1260	610		39		ug/Kg	1	☼	8082A	Total/NA
PCB-1268	120	p	39		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: Dwf-28 (0-6") — Lab Sample ID: 680-141783-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	2000		180		ug/Kg	5	☼	8082A	Total/NA
PCB-1260	1200		180		ug/Kg	5	☼	8082A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-28 (0-6") (Continued) — Lab Sample ID: 680-141783-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1268	250	p	180		ug/Kg	5	☼	8082A	Total/NA

Client Sample ID: Dwf-33 (12-24") — Lab Sample ID: 680-141783-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	550		39		ug/Kg	1	☼	8082A	Total/NA
PCB-1260	540		39		ug/Kg	1	☼	8082A	Total/NA
PCB-1268	120	p	39		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: Dwf-37 (6-12") — Lab Sample ID: 680-141783-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	130		39		ug/Kg	1	☼	8082A	Total/NA
PCB-1260	200		39		ug/Kg	1	☼	8082A	Total/NA
PCB-1268	46	p	39		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: Dwf-37 (6-12")-X — Lab Sample ID: 680-141783-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	150		39		ug/Kg	1	☼	8082A	Total/NA
PCB-1260	220		39		ug/Kg	1	☼	8082A	Total/NA
PCB-1268	50	p	39		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: Dwf-40 (0-6") — Lab Sample ID: 680-141783-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	820		37		ug/Kg	1	☼	8082A	Total/NA
PCB-1260	640		37		ug/Kg	1	☼	8082A	Total/NA
PCB-1268	130	p	37		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: Dwf-42 (6-12") — Lab Sample ID: 680-141783-14

No Detections.

Client Sample ID: Dwf-47 (12-24") — Lab Sample ID: 680-141783-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	960		36		ug/Kg	1	☼	8082A	Total/NA
PCB-1260	550		36		ug/Kg	1	☼	8082A	Total/NA
PCB-1268	190		36		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: Dwf-48 (0-6") — Lab Sample ID: 680-141783-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	1600		180		ug/Kg	5	☼	8082A	Total/NA
PCB-1260	1100		180		ug/Kg	5	☼	8082A	Total/NA
PCB-1268	370		180		ug/Kg	5	☼	8082A	Total/NA

Client Sample ID: Dwf-49 (12-24") — Lab Sample ID: 680-141783-17

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-55 (0-6") — Lab Sample ID: 680-141783-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	270		36		ug/Kg	1	☼	8082A	Total/NA
PCB-1260	230		36		ug/Kg	1	☼	8082A	Total/NA
PCB-1268	50	p	36		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: Dwf-55 (6-12") — Lab Sample ID: 680-141783-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	320		39		ug/Kg	1	☼	8082A	Total/NA
PCB-1260	280		39		ug/Kg	1	☼	8082A	Total/NA
PCB-1268	55	p	39		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: Dwf-55 (6-12")-X — Lab Sample ID: 680-141783-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	360		38		ug/Kg	1	☼	8082A	Total/NA
PCB-1260	330		38		ug/Kg	1	☼	8082A	Total/NA
PCB-1268	74	p	38		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: Dwf-9 (12-24") — Lab Sample ID: 680-141783-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	78		41		ug/Kg	1	☼	8082A	Total/NA
PCB-1260	130		41		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: Dwf-55 (0-6")--Y — Lab Sample ID: 680-141783-22

No Detections.

Client Sample ID: Dwf-15 (0-6")-Y — Lab Sample ID: 680-141783-23

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-5 (0-6")
Date Collected: 07/25/17 14:40
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-1
Matrix: Solid
Percent Solids: 93.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<35		35		ug/Kg	☼	08/07/17 15:59	08/08/17 18:40	1
PCB-1221	<35		35		ug/Kg	☼	08/07/17 15:59	08/08/17 18:40	1
PCB-1232	<35		35		ug/Kg	☼	08/07/17 15:59	08/08/17 18:40	1
PCB-1242	<35		35		ug/Kg	☼	08/07/17 15:59	08/08/17 18:40	1
PCB-1248	<35		35		ug/Kg	☼	08/07/17 15:59	08/08/17 18:40	1
PCB-1254	**700**		35		ug/Kg	☼	08/07/17 15:59	08/08/17 18:40	1
PCB-1260	**440**		35		ug/Kg	☼	08/07/17 15:59	08/08/17 18:40	1
PCB-1268	**72**	p J	35		ug/Kg	☼	08/07/17 15:59	08/08/17 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*54 - 133*	*08/07/17 15:59*	*08/08/17 18:40*	*1*
Tetrachloro-m-xylene	*86*		*46 - 130*	*08/07/17 15:59*	*08/08/17 18:40*	*1*

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-9 (12-24")-Y
Date Collected: 07/26/17 12:20
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-2
Matrix: Water

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.97	H	0.97		ug/L		08/07/17 13:21	08/08/17 20:16	1
PCB-1221	<0.97	H	0.97		ug/L		08/07/17 13:21	08/08/17 20:16	1
PCB-1232	<0.97	H	0.97		ug/L		08/07/17 13:21	08/08/17 20:16	1
PCB-1242	<0.97	H	0.97		ug/L		08/07/17 13:21	08/08/17 20:16	1
PCB-1248	<0.97	H	0.97		ug/L		08/07/17 13:21	08/08/17 20:16	1
PCB-1254	<0.97	H	0.97		ug/L		08/07/17 13:21	08/08/17 20:16	1
PCB-1260	<0.97	H	0.97		ug/L		08/07/17 13:21	08/08/17 20:16	1
PCB-1268	<0.97	H	0.97		ug/L		08/07/17 13:21	08/08/17 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*40 - 130*	*08/07/17 13:21*	*08/08/17 20:16*	*1*
DCB Decachlorobiphenyl	*13*	*X*	*14 - 130*	*08/07/17 13:21*	*08/08/17 20:16*	*1*

Client Sample ID: Dwf-11 (0-6")
Date Collected: 07/26/17 10:10
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-3
Matrix: Solid
Percent Solids: 93.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<35		35		ug/Kg	☼	08/07/17 15:59	08/08/17 18:54	1
PCB-1221	<35		35		ug/Kg	☼	08/07/17 15:59	08/08/17 18:54	1
PCB-1232	<35		35		ug/Kg	☼	08/07/17 15:59	08/08/17 18:54	1
PCB-1242	<35		35		ug/Kg	☼	08/07/17 15:59	08/08/17 18:54	1
PCB-1248	<35		35		ug/Kg	☼	08/07/17 15:59	08/08/17 18:54	1
PCB-1254	83		35		ug/Kg	☼	08/07/17 15:59	08/08/17 18:54	1
PCB-1260	<35		35		ug/Kg	☼	08/07/17 15:59	08/08/17 18:54	1
PCB-1268	<35		35		ug/Kg	☼	08/07/17 15:59	08/08/17 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*54 - 133*	*08/07/17 15:59*	*08/08/17 18:54*	*1*
Tetrachloro-m-xylene	*89*		*46 - 130*	*08/07/17 15:59*	*08/08/17 18:54*	*1*

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-13 (6-12")
Date Collected: 07/26/17 10:55
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-4
Matrix: Solid
Percent Solids: 85.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<190		190		ug/Kg	☼	08/07/17 15:59	08/09/17 15:54	5
PCB-1221	<190		190		ug/Kg	☼	08/07/17 15:59	08/09/17 15:54	5
PCB-1232	<190		190		ug/Kg	☼	08/07/17 15:59	08/09/17 15:54	5
PCB-1242	<190		190		ug/Kg	☼	08/07/17 15:59	08/09/17 15:54	5
PCB-1248	<190		190		ug/Kg	☼	08/07/17 15:59	08/09/17 15:54	5
PCB-1254	**380**		190		ug/Kg	☼	08/07/17 15:59	08/09/17 15:54	5
PCB-1260	**2200**		190		ug/Kg	☼	08/07/17 15:59	08/09/17 15:54	5
PCB-1268	**480**	p J	190		ug/Kg	☼	08/07/17 15:59	08/09/17 15:54	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*157*	*X*	*54 - 133*	*08/07/17 15:59*	*08/09/17 15:54*	*5*
Tetrachloro-m-xylene	*76*		*46 - 130*	*08/07/17 15:59*	*08/09/17 15:54*	*5*

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-14 (0-6")
Date Collected: 07/26/17 14:10
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-5
Matrix: Solid
Percent Solids: 81.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<41		41		ug/Kg	☼	08/07/17 15:59	08/08/17 19:23	1
PCB-1221	<41		41		ug/Kg	☼	08/07/17 15:59	08/08/17 19:23	1
PCB-1232	<41		41		ug/Kg	☼	08/07/17 15:59	08/08/17 19:23	1
PCB-1242	<41		41		ug/Kg	☼	08/07/17 15:59	08/08/17 19:23	1
PCB-1248	<41		41		ug/Kg	☼	08/07/17 15:59	08/08/17 19:23	1
PCB-1254	**74**		41		ug/Kg	☼	08/07/17 15:59	08/08/17 19:23	1
PCB-1260	**160**		41		ug/Kg	☼	08/07/17 15:59	08/08/17 19:23	1
PCB-1268	**76**		41		ug/Kg	☼	08/07/17 15:59	08/08/17 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*54 - 133*	*08/07/17 15:59*	*08/08/17 19:23*	*1*
Tetrachloro-m-xylene	*74*		*46 - 130*	*08/07/17 15:59*	*08/08/17 19:23*	*1*

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-17 (12-24")
Date Collected: 07/26/17 16:00
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-6
Matrix: Solid
Percent Solids: 84.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 19:37	1
PCB-1221	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 19:37	1
PCB-1232	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 19:37	1
PCB-1242	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 19:37	1
PCB-1248	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 19:37	1
PCB-1254	**130**		39		ug/Kg	☼	08/07/17 15:59	08/08/17 19:37	1
PCB-1260	**210**		39		ug/Kg	☼	08/07/17 15:59	08/08/17 19:37	1
PCB-1268	**47**	p J	39		ug/Kg	☼	08/07/17 15:59	08/08/17 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*54 - 133*	*08/07/17 15:59*	*08/08/17 19:37*	*1*
Tetrachloro-m-xylene	*84*		*46 - 130*	*08/07/17 15:59*	*08/08/17 19:37*	*1*

Client Sample ID: Dwf-21 (6-12")
Date Collected: 07/27/17 09:20
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-7
Matrix: Solid
Percent Solids: 83.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<40		40		ug/Kg	☼	08/07/17 15:59	08/08/17 19:51	1
PCB-1221	<40		40		ug/Kg	☼	08/07/17 15:59	08/08/17 19:51	1
PCB-1232	<40		40		ug/Kg	☼	08/07/17 15:59	08/08/17 19:51	1
PCB-1242	<40		40		ug/Kg	☼	08/07/17 15:59	08/08/17 19:51	1
PCB-1248	<40		40		ug/Kg	☼	08/07/17 15:59	08/08/17 19:51	1
PCB-1254	<40		40		ug/Kg	☼	08/07/17 15:59	08/08/17 19:51	1
PCB-1260	**94**		40		ug/Kg	☼	08/07/17 15:59	08/08/17 19:51	1
PCB-1268	<40		40		ug/Kg	☼	08/07/17 15:59	08/08/17 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*54 - 133*	*08/07/17 15:59*	*08/08/17 19:51*	*1*
Tetrachloro-m-xylene	*70*		*46 - 130*	*08/07/17 15:59*	*08/08/17 19:51*	*1*

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-24 (12-24")
Date Collected: 07/27/17 10:25
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-8
Matrix: Solid
Percent Solids: 84.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:06	1
PCB-1221	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:06	1
PCB-1232	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:06	1
PCB-1242	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:06	1
PCB-1248	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:06	1
PCB-1254	**450**		39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:06	1
PCB-1260	**610**		39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:06	1
PCB-1268	**120**	p J	39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*54 - 133*	*08/07/17 15:59*	*08/08/17 20:06*	*1*
Tetrachloro-m-xylene	*76*		*46 - 130*	*08/07/17 15:59*	*08/08/17 20:06*	*1*

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-28 (0-6")
Date Collected: 07/27/17 14:55
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-9
Matrix: Solid
Percent Solids: 90.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<180		180		ug/Kg	☼	08/07/17 15:59	08/09/17 16:08	5
PCB-1221	<180		180		ug/Kg	☼	08/07/17 15:59	08/09/17 16:08	5
PCB-1232	<180		180		ug/Kg	☼	08/07/17 15:59	08/09/17 16:08	5
PCB-1242	<180		180		ug/Kg	☼	08/07/17 15:59	08/09/17 16:08	5
PCB-1248	<180		180		ug/Kg	☼	08/07/17 15:59	08/09/17 16:08	5
PCB-1254	**2000**		180		ug/Kg	☼	08/07/17 15:59	08/09/17 16:08	5
PCB-1260	**1200**		180		ug/Kg	☼	08/07/17 15:59	08/09/17 16:08	5
PCB-1268	**250**	p J	180		ug/Kg	☼	08/07/17 15:59	08/09/17 16:08	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*140*	*X*	*54 - 133*	*08/07/17 15:59*	*08/09/17 16:08*	*5*
Tetrachloro-m-xylene	*72*		*46 - 130*	*08/07/17 15:59*	*08/09/17 16:08*	*5*

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-33 (12-24")
Date Collected: 07/28/17 09:25
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-10
Matrix: Solid
Percent Solids: 83.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:34	1
PCB-1221	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:34	1
PCB-1232	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:34	1
PCB-1242	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:34	1
PCB-1248	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:34	1
PCB-1254	**550**		39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:34	1
PCB-1260	**540**		39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:34	1
PCB-1268	**120**	p J	39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*102*		*54 - 133*	*08/07/17 15:59*	*08/08/17 20:34*	*1*
Tetrachloro-m-xylene	*86*		*46 - 130*	*08/07/17 15:59*	*08/08/17 20:34*	*1*

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-37 (6-12")
Date Collected: 07/28/17 13:45
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-11
Matrix: Solid
Percent Solids: 84.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:48	1
PCB-1221	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:48	1
PCB-1232	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:48	1
PCB-1242	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:48	1
PCB-1248	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:48	1
PCB-1254	**130**		39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:48	1
PCB-1260	**200**		39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:48	1
PCB-1268	**46**	p J	39		ug/Kg	☼	08/07/17 15:59	08/08/17 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*82*		*54 - 133*	*08/07/17 15:59*	*08/08/17 20:48*	*1*
Tetrachloro-m-xylene	*84*		*46 - 130*	*08/07/17 15:59*	*08/08/17 20:48*	*1*

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-37 (6-12")-X
Date Collected: 07/28/17 13:45
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-12
Matrix: Solid
Percent Solids: 83.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 21:03	1
PCB-1221	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 21:03	1
PCB-1232	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 21:03	1
PCB-1242	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 21:03	1
PCB-1248	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 21:03	1
PCB-1254	**150**		39		ug/Kg	☼	08/07/17 15:59	08/08/17 21:03	1
PCB-1260	**220**		39		ug/Kg	☼	08/07/17 15:59	08/08/17 21:03	1
PCB-1268	**50**	p J	39		ug/Kg	☼	08/07/17 15:59	08/08/17 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*54 - 133*	*08/07/17 15:59*	*08/08/17 21:03*	*1*
Tetrachloro-m-xylene	*84*		*46 - 130*	*08/07/17 15:59*	*08/08/17 21:03*	*1*

Client Sample ID: Dwf-40 (0-6")
Date Collected: 07/31/17 10:00
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-13
Matrix: Solid
Percent Solids: 89.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<37		37		ug/Kg	☼	08/07/17 15:59	08/08/17 21:17	1
PCB-1221	<37		37		ug/Kg	☼	08/07/17 15:59	08/08/17 21:17	1
PCB-1232	<37		37		ug/Kg	☼	08/07/17 15:59	08/08/17 21:17	1
PCB-1242	<37		37		ug/Kg	☼	08/07/17 15:59	08/08/17 21:17	1
PCB-1248	<37		37		ug/Kg	☼	08/07/17 15:59	08/08/17 21:17	1
PCB-1254	**820**		37		ug/Kg	☼	08/07/17 15:59	08/08/17 21:17	1
PCB-1260	**640**		37		ug/Kg	☼	08/07/17 15:59	08/08/17 21:17	1
PCB-1268	**130**	**p** J	37		ug/Kg	☼	08/07/17 15:59	08/08/17 21:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*54 - 133*	*08/07/17 15:59*	*08/08/17 21:17*	*1*
Tetrachloro-m-xylene	*77*		*46 - 130*	*08/07/17 15:59*	*08/08/17 21:17*	*1*

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-42 (6-12")
Date Collected: 07/31/17 09:35
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-14
Matrix: Solid
Percent Solids: 87.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<38		38		ug/Kg	☼	08/07/17 15:59	08/08/17 21:31	1
PCB-1221	<38		38		ug/Kg	☼	08/07/17 15:59	08/08/17 21:31	1
PCB-1232	<38		38		ug/Kg	☼	08/07/17 15:59	08/08/17 21:31	1
PCB-1242	<38		38		ug/Kg	☼	08/07/17 15:59	08/08/17 21:31	1
PCB-1248	<38		38		ug/Kg	☼	08/07/17 15:59	08/08/17 21:31	1
PCB-1254	<38		38		ug/Kg	☼	08/07/17 15:59	08/08/17 21:31	1
PCB-1260	<38		38		ug/Kg	☼	08/07/17 15:59	08/08/17 21:31	1
PCB-1268	<38		38		ug/Kg	☼	08/07/17 15:59	08/08/17 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*54 - 133*	*08/07/17 15:59*	*08/08/17 21:31*	*1*
Tetrachloro-m-xylene	*79*		*46 - 130*	*08/07/17 15:59*	*08/08/17 21:31*	*1*

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-47 (12-24")
Date Collected: 07/31/17 16:15
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-15
Matrix: Solid
Percent Solids: 90.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<36		36		ug/Kg	☼	08/07/17 15:59	08/08/17 21:46	1
PCB-1221	<36		36		ug/Kg	☼	08/07/17 15:59	08/08/17 21:46	1
PCB-1232	<36		36		ug/Kg	☼	08/07/17 15:59	08/08/17 21:46	1
PCB-1242	<36		36		ug/Kg	☼	08/07/17 15:59	08/08/17 21:46	1
PCB-1248	<36		36		ug/Kg	☼	08/07/17 15:59	08/08/17 21:46	1
PCB-1254	**960**		36		ug/Kg	☼	08/07/17 15:59	08/08/17 21:46	1
PCB-1260	**550**		36		ug/Kg	☼	08/07/17 15:59	08/08/17 21:46	1
PCB-1268	**190**		36		ug/Kg	☼	08/07/17 15:59	08/08/17 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*103*		*54 - 133*	*08/07/17 15:59*	*08/08/17 21:46*	*1*
Tetrachloro-m-xylene	*86*		*46 - 130*	*08/07/17 15:59*	*08/08/17 21:46*	*1*

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-48 (0-6")
Date Collected: 07/31/17 16:20
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-16
Matrix: Solid
Percent Solids: 93.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<180		180		ug/Kg	☼	08/07/17 15:59	08/09/17 16:22	5
PCB-1221	<180		180		ug/Kg	☼	08/07/17 15:59	08/09/17 16:22	5
PCB-1232	<180		180		ug/Kg	☼	08/07/17 15:59	08/09/17 16:22	5
PCB-1242	<180		180		ug/Kg	☼	08/07/17 15:59	08/09/17 16:22	5
PCB-1248	<180		180		ug/Kg	☼	08/07/17 15:59	08/09/17 16:22	5
PCB-1254	**1600**		180		ug/Kg	☼	08/07/17 15:59	08/09/17 16:22	5
PCB-1260	**1100**		180		ug/Kg	☼	08/07/17 15:59	08/09/17 16:22	5
PCB-1268	**370**		180		ug/Kg	☼	08/07/17 15:59	08/09/17 16:22	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*150*	*X*	*54 - 133*	*08/07/17 15:59*	*08/09/17 16:22*	*5*
Tetrachloro-m-xylene	*77*		*46 - 130*	*08/07/17 15:59*	*08/09/17 16:22*	*5*

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-49 (12-24")
Date Collected: 08/01/17 08:30
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-17
Matrix: Solid
Percent Solids: 88.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<37		37		ug/Kg	☼	08/07/17 15:59	08/08/17 22:14	1
PCB-1221	<37		37		ug/Kg	☼	08/07/17 15:59	08/08/17 22:14	1
PCB-1232	<37		37		ug/Kg	☼	08/07/17 15:59	08/08/17 22:14	1
PCB-1242	<37		37		ug/Kg	☼	08/07/17 15:59	08/08/17 22:14	1
PCB-1248	<37		37		ug/Kg	☼	08/07/17 15:59	08/08/17 22:14	1
PCB-1254	<37		37		ug/Kg	☼	08/07/17 15:59	08/08/17 22:14	1
PCB-1260	<37		37		ug/Kg	☼	08/07/17 15:59	08/08/17 22:14	1
PCB-1268	<37		37		ug/Kg	☼	08/07/17 15:59	08/08/17 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*43*	*X*	*54 - 133*	*08/07/17 15:59*	*08/08/17 22:14*	*1*
Tetrachloro-m-xylene	*76*		*46 - 130*	*08/07/17 15:59*	*08/08/17 22:14*	*1*

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-55 (0-6")
Date Collected: 08/01/17 12:25
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-18
Matrix: Solid
Percent Solids: 91.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<36		36		ug/Kg	☼	08/07/17 15:59	08/09/17 16:37	1
PCB-1221	<36		36		ug/Kg	☼	08/07/17 15:59	08/09/17 16:37	1
PCB-1232	<36		36		ug/Kg	☼	08/07/17 15:59	08/09/17 16:37	1
PCB-1242	<36		36		ug/Kg	☼	08/07/17 15:59	08/09/17 16:37	1
PCB-1248	<36		36		ug/Kg	☼	08/07/17 15:59	08/09/17 16:37	1
PCB-1254	**270**		36		ug/Kg	☼	08/07/17 15:59	08/09/17 16:37	1
PCB-1260	**230**		36		ug/Kg	☼	08/07/17 15:59	08/09/17 16:37	1
PCB-1268	**50**	**p** J	36		ug/Kg	☼	08/07/17 15:59	08/09/17 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*91*		*54 - 133*	*08/07/17 15:59*	*08/09/17 16:37*	*1*
Tetrachloro-m-xylene	*83*		*46 - 130*	*08/07/17 15:59*	*08/09/17 16:37*	*1*

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-55 (6-12")
Date Collected: 08/01/17 12:30
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-19
Matrix: Solid
Percent Solids: 85.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 22:28	1
PCB-1221	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 22:28	1
PCB-1232	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 22:28	1
PCB-1242	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 22:28	1
PCB-1248	<39		39		ug/Kg	☼	08/07/17 15:59	08/08/17 22:28	1
PCB-1254	**320**		39		ug/Kg	☼	08/07/17 15:59	08/08/17 22:28	1
PCB-1260	**280**		39		ug/Kg	☼	08/07/17 15:59	08/08/17 22:28	1
PCB-1268	**55**	p J	39		ug/Kg	☼	08/07/17 15:59	08/08/17 22:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*50*	*X*	*54 - 133*	*08/07/17 15:59*	*08/08/17 22:28*	*1*
Tetrachloro-m-xylene	*63*		*46 - 130*	*08/07/17 15:59*	*08/08/17 22:28*	*1*

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-55 (6-12")-X
Date Collected: 08/01/17 12:30
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-20
Matrix: Solid
Percent Solids: 85.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<38		38		ug/Kg	☼	08/07/17 15:59	08/09/17 16:51	1
PCB-1221	<38		38		ug/Kg	☼	08/07/17 15:59	08/09/17 16:51	1
PCB-1232	<38		38		ug/Kg	☼	08/07/17 15:59	08/09/17 16:51	1
PCB-1242	<38		38		ug/Kg	☼	08/07/17 15:59	08/09/17 16:51	1
PCB-1248	<38		38		ug/Kg	☼	08/07/17 15:59	08/09/17 16:51	1
PCB-1254	**360**		38		ug/Kg	☼	08/07/17 15:59	08/09/17 16:51	1
PCB-1260	**330**		38		ug/Kg	☼	08/07/17 15:59	08/09/17 16:51	1
PCB-1268	**74**	p J	38		ug/Kg	☼	08/07/17 15:59	08/09/17 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*91*		*54 - 133*	*08/07/17 15:59*	*08/09/17 16:51*	*1*
Tetrachloro-m-xylene	*80*		*46 - 130*	*08/07/17 15:59*	*08/09/17 16:51*	*1*

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-9 (12-24")
Date Collected: 07/26/17 09:20
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-21
Matrix: Solid
Percent Solids: 79.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<41		41		ug/Kg	☼	08/07/17 15:59	08/09/17 17:05	1
PCB-1221	<41		41		ug/Kg	☼	08/07/17 15:59	08/09/17 17:05	1
PCB-1232	<41		41		ug/Kg	☼	08/07/17 15:59	08/09/17 17:05	1
PCB-1242	<41		41		ug/Kg	☼	08/07/17 15:59	08/09/17 17:05	1
PCB-1248	<41		41		ug/Kg	☼	08/07/17 15:59	08/09/17 17:05	1
PCB-1254	**78**		41		ug/Kg	☼	08/07/17 15:59	08/09/17 17:05	1
PCB-1260	**130**		41		ug/Kg	☼	08/07/17 15:59	08/09/17 17:05	1
PCB-1268	<41		41		ug/Kg	☼	08/07/17 15:59	08/09/17 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*54 - 133*	*08/07/17 15:59*	*08/09/17 17:05*	*1*
Tetrachloro-m-xylene	*84*		*46 - 130*	*08/07/17 15:59*	*08/09/17 17:05*	*1*

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-55 (0-6")--Y
Date Collected: 08/03/17 13:50
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-22
Matrix: Water

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.97		0.97		ug/L		08/07/17 13:21	08/08/17 20:33	1
PCB-1221	<0.97		0.97		ug/L		08/07/17 13:21	08/08/17 20:33	1
PCB-1232	<0.97		0.97		ug/L		08/07/17 13:21	08/08/17 20:33	1
PCB-1242	<0.97		0.97		ug/L		08/07/17 13:21	08/08/17 20:33	1
PCB-1248	<0.97		0.97		ug/L		08/07/17 13:21	08/08/17 20:33	1
PCB-1254	<0.97		0.97		ug/L		08/07/17 13:21	08/08/17 20:33	1
PCB-1260	<0.97		0.97		ug/L		08/07/17 13:21	08/08/17 20:33	1
PCB-1268	<0.97		0.97		ug/L		08/07/17 13:21	08/08/17 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*62*		*40 - 130*	*08/07/17 13:21*	*08/08/17 20:33*	*1*
DCB Decachlorobiphenyl	*16*		*14 - 130*	*08/07/17 13:21*	*08/08/17 20:33*	*1*

Client Sample ID: Dwf-15 (0-6")-Y
Date Collected: 07/26/17 18:20
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-23
Matrix: Water

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.0	H UJ	1.0		ug/L		08/07/17 13:21	08/08/17 20:50	1
PCB-1221	<1.0	H UJ	1.0		ug/L		08/07/17 13:21	08/08/17 20:50	1
PCB-1232	<1.0	H UJ	1.0		ug/L		08/07/17 13:21	08/08/17 20:50	1
PCB-1242	<1.0	H UJ	1.0		ug/L		08/07/17 13:21	08/08/17 20:50	1
PCB-1248	<1.0	H UJ	1.0		ug/L		08/07/17 13:21	08/08/17 20:50	1
PCB-1254	<1.0	H UJ	1.0		ug/L		08/07/17 13:21	08/08/17 20:50	1
PCB-1260	<1.0	H UJ	1.0		ug/L		08/07/17 13:21	08/08/17 20:50	1
PCB-1268	<1.0	H UJ	1.0		ug/L		08/07/17 13:21	08/08/17 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*62*		*40 - 130*	*08/07/17 13:21*	*08/08/17 20:50*	*1*
DCB Decachlorobiphenyl	*21*		*14 - 130*	*08/07/17 13:21*	*08/08/17 20:50*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 680-490468/21-A
Matrix: Solid
Analysis Batch: 490690

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 490468

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<33		33		ug/Kg		08/07/17 15:59	08/08/17 17:57	1
PCB-1221	<33		33		ug/Kg		08/07/17 15:59	08/08/17 17:57	1
PCB-1232	<33		33		ug/Kg		08/07/17 15:59	08/08/17 17:57	1
PCB-1242	<33		33		ug/Kg		08/07/17 15:59	08/08/17 17:57	1
PCB-1248	<33		33		ug/Kg		08/07/17 15:59	08/08/17 17:57	1
PCB-1254	<33		33		ug/Kg		08/07/17 15:59	08/08/17 17:57	1
PCB-1260	<33		33		ug/Kg		08/07/17 15:59	08/08/17 17:57	1
PCB-1268	<33		33		ug/Kg		08/07/17 15:59	08/08/17 17:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*95*		*54 - 133*	*08/07/17 15:59*	*08/08/17 17:57*	*1*
Tetrachloro-m-xylene	*78*		*46 - 130*	*08/07/17 15:59*	*08/08/17 17:57*	*1*

Lab Sample ID: LCS 680-490468/22-A
Matrix: Solid
Analysis Batch: 490690

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 490468

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	399	318		ug/Kg		80	43 - 130
PCB-1260	399	330		ug/Kg		83	45 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*94*		*54 - 133*
Tetrachloro-m-xylene	*81*		*46 - 130*

Lab Sample ID: LCSSRM 680-490468/25-A
Matrix: Solid
Analysis Batch: 490690

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 490468

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1248	1500	1680		ug/Kg		112	44 - 188
PCB-1254	3000	3320		ug/Kg		111	45 - 170
PCB-1260	2000	2500		ug/Kg		125	51 - 178
PCB-1268	1500	1930		ug/Kg		128	52 - 137

Surrogate	*LCSSRM %Recovery*	*LCSSRM Qualifier*	*Limits*
DCB Decachlorobiphenyl	*111*		*54 - 133*
Tetrachloro-m-xylene	*89*		*46 - 130*

Lab Sample ID: 680-141783-18 MS
Matrix: Solid
Analysis Batch: 490818

Client Sample ID: Dwf-55 (0-6")
Prep Type: Total/NA
Prep Batch: 490468

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	<36		447	304		ug/Kg	☼	68	43 - 130
PCB-1260	230		447	462		ug/Kg	☼	52	45 - 130

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 680-141783-18 MS
Matrix: Solid
Analysis Batch: 490818

Client Sample ID: Dwf-55 (0-6")
Prep Type: Total/NA
Prep Batch: 490468

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	73		54 - 133
Tetrachloro-m-xylene	73		46 - 130

Lab Sample ID: 680-141783-18 MSD
Matrix: Solid
Analysis Batch: 490818

Client Sample ID: Dwf-55 (0-6")
Prep Type: Total/NA
Prep Batch: 490468

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	<36		446	327		ug/Kg	☼	73	43 - 130	7	50
PCB-1260	230		446	505		ug/Kg	☼	62	45 - 130	9	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	79		54 - 133
Tetrachloro-m-xylene	78		46 - 130

Lab Sample ID: MB 680-490478/9-A
Matrix: Water
Analysis Batch: 490699

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 490478

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.0		1.0		ug/L		08/07/17 13:21	08/08/17 18:03	1
PCB-1221	<1.0		1.0		ug/L		08/07/17 13:21	08/08/17 18:03	1
PCB-1232	<1.0		1.0		ug/L		08/07/17 13:21	08/08/17 18:03	1
PCB-1242	<1.0		1.0		ug/L		08/07/17 13:21	08/08/17 18:03	1
PCB-1248	<1.0		1.0		ug/L		08/07/17 13:21	08/08/17 18:03	1
PCB-1254	<1.0		1.0		ug/L		08/07/17 13:21	08/08/17 18:03	1
PCB-1260	<1.0		1.0		ug/L		08/07/17 13:21	08/08/17 18:03	1
PCB-1268	<1.0		1.0		ug/L		08/07/17 13:21	08/08/17 18:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	73		14 - 130	08/07/17 13:21	08/08/17 18:03	1
Tetrachloro-m-xylene	60		40 - 130	08/07/17 13:21	08/08/17 18:03	1

Lab Sample ID: LCS 680-490478/13-A
Matrix: Water
Analysis Batch: 490699

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 490478

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	6.00	5.08		ug/L		85	44 - 130
PCB-1260	6.00	4.83		ug/L		80	35 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	86		14 - 130
Tetrachloro-m-xylene	72		40 - 130

GC Semi VOA

Prep Batch: 490468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-141783-1	Dwf-5 (0-6")	Total/NA	Solid	3546	
680-141783-3	Dwf-11 (0-6")	Total/NA	Solid	3546	
680-141783-4	Dwf-13 (6-12")	Total/NA	Solid	3546	
680-141783-5	Dwf-14 (0-6")	Total/NA	Solid	3546	
680-141783-6	Dwf-17 (12-24")	Total/NA	Solid	3546	
680-141783-7	Dwf-21 (6-12")	Total/NA	Solid	3546	
680-141783-8	Dwf-24 (12-24")	Total/NA	Solid	3546	
680-141783-9	Dwf-28 (0-6")	Total/NA	Solid	3546	
680-141783-10	Dwf-33 (12-24")	Total/NA	Solid	3546	
680-141783-11	Dwf-37 (6-12")	Total/NA	Solid	3546	
680-141783-12	Dwf-37 (6-12")-X	Total/NA	Solid	3546	
680-141783-13	Dwf-40 (0-6")	Total/NA	Solid	3546	
680-141783-14	Dwf-42 (6-12")	Total/NA	Solid	3546	
680-141783-15	Dwf-47 (12-24")	Total/NA	Solid	3546	
680-141783-16	Dwf-48 (0-6")	Total/NA	Solid	3546	
680-141783-17	Dwf-49 (12-24")	Total/NA	Solid	3546	
680-141783-18	Dwf-55 (0-6")	Total/NA	Solid	3546	
680-141783-19	Dwf-55 (6-12")	Total/NA	Solid	3546	
680-141783-20	Dwf-55 (6-12")-X	Total/NA	Solid	3546	
680-141783-21	Dwf-9 (12-24")	Total/NA	Solid	3546	
MB 680-490468/21-A	Method Blank	Total/NA	Solid	3546	
LCS 680-490468/22-A	Lab Control Sample	Total/NA	Solid	3546	
LCSSRM 680-490468/25-A	Lab Control Sample	Total/NA	Solid	3546	
680-141783-18 MS	Dwf-55 (0-6")	Total/NA	Solid	3546	
680-141783-18 MSD	Dwf-55 (0-6")	Total/NA	Solid	3546	

Prep Batch: 490478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-141783-2	Dwf-9 (12-24")-Y	Total/NA	Water	3520C	
680-141783-22	Dwf-55 (0-6")--Y	Total/NA	Water	3520C	
680-141783-23	Dwf-15 (0-6")-Y	Total/NA	Water	3520C	
MB 680-490478/9-A	Method Blank	Total/NA	Water	3520C	
LCS 680-490478/13-A	Lab Control Sample	Total/NA	Water	3520C	

Analysis Batch: 490690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-141783-1	Dwf-5 (0-6")	Total/NA	Solid	8082A	490468
680-141783-3	Dwf-11 (0-6")	Total/NA	Solid	8082A	490468
680-141783-5	Dwf-14 (0-6")	Total/NA	Solid	8082A	490468
680-141783-6	Dwf-17 (12-24")	Total/NA	Solid	8082A	490468
680-141783-7	Dwf-21 (6-12")	Total/NA	Solid	8082A	490468
680-141783-8	Dwf-24 (12-24")	Total/NA	Solid	8082A	490468
680-141783-10	Dwf-33 (12-24")	Total/NA	Solid	8082A	490468
680-141783-11	Dwf-37 (6-12")	Total/NA	Solid	8082A	490468
680-141783-12	Dwf-37 (6-12")-X	Total/NA	Solid	8082A	490468
680-141783-13	Dwf-40 (0-6")	Total/NA	Solid	8082A	490468
680-141783-14	Dwf-42 (6-12")	Total/NA	Solid	8082A	490468
680-141783-15	Dwf-47 (12-24")	Total/NA	Solid	8082A	490468
680-141783-17	Dwf-49 (12-24")	Total/NA	Solid	8082A	490468
680-141783-19	Dwf-55 (6-12")	Total/NA	Solid	8082A	490468
MB 680-490468/21-A	Method Blank	Total/NA	Solid	8082A	490468

GC Semi VOA (Continued)

Analysis Batch: 490690 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-490468/22-A	Lab Control Sample	Total/NA	Solid	8082A	490468
LCSSRM 680-490468/25-A	Lab Control Sample	Total/NA	Solid	8082A	490468

Analysis Batch: 490699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-141783-2	Dwf-9 (12-24")-Y	Total/NA	Water	8082A	490478
680-141783-22	Dwf-55 (0-6")--Y	Total/NA	Water	8082A	490478
680-141783-23	Dwf-15 (0-6")-Y	Total/NA	Water	8082A	490478
MB 680-490478/9-A	Method Blank	Total/NA	Water	8082A	490478
LCS 680-490478/13-A	Lab Control Sample	Total/NA	Water	8082A	490478

Analysis Batch: 490818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-141783-4	Dwf-13 (6-12")	Total/NA	Solid	8082A	490468
680-141783-9	Dwf-28 (0-6")	Total/NA	Solid	8082A	490468
680-141783-16	Dwf-48 (0-6")	Total/NA	Solid	8082A	490468
680-141783-18	Dwf-55 (0-6")	Total/NA	Solid	8082A	490468
680-141783-20	Dwf-55 (6-12")-X	Total/NA	Solid	8082A	490468
680-141783-21	Dwf-9 (12-24")	Total/NA	Solid	8082A	490468
680-141783-18 MS	Dwf-55 (0-6")	Total/NA	Solid	8082A	490468
680-141783-18 MSD	Dwf-55 (0-6")	Total/NA	Solid	8082A	490468

General Chemistry

Analysis Batch: 490408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-141783-1	Dwf-5 (0-6")	Total/NA	Solid	Moisture	
680-141783-3	Dwf-11 (0-6")	Total/NA	Solid	Moisture	
680-141783-4	Dwf-13 (6-12")	Total/NA	Solid	Moisture	
680-141783-5	Dwf-14 (0-6")	Total/NA	Solid	Moisture	
680-141783-6	Dwf-17 (12-24")	Total/NA	Solid	Moisture	
680-141783-7	Dwf-21 (6-12")	Total/NA	Solid	Moisture	
680-141783-8	Dwf-24 (12-24")	Total/NA	Solid	Moisture	
680-141783-9	Dwf-28 (0-6")	Total/NA	Solid	Moisture	
680-141783-10	Dwf-33 (12-24")	Total/NA	Solid	Moisture	
680-141783-11	Dwf-37 (6-12")	Total/NA	Solid	Moisture	
680-141783-12	Dwf-37 (6-12")-X	Total/NA	Solid	Moisture	
680-141783-13	Dwf-40 (0-6")	Total/NA	Solid	Moisture	
680-141783-14	Dwf-42 (6-12")	Total/NA	Solid	Moisture	
680-141783-15	Dwf-47 (12-24")	Total/NA	Solid	Moisture	
680-141783-16	Dwf-48 (0-6")	Total/NA	Solid	Moisture	
680-141783-17	Dwf-49 (12-24")	Total/NA	Solid	Moisture	
680-141783-18	Dwf-55 (0-6")	Total/NA	Solid	Moisture	
680-141783-19	Dwf-55 (6-12")	Total/NA	Solid	Moisture	
680-141783-20	Dwf-55 (6-12")-X	Total/NA	Solid	Moisture	
680-141783-21	Dwf-9 (12-24")	Total/NA	Solid	Moisture	
680-141783-18 MS	Dwf-55 (0-6")	Total/NA	Solid	Moisture	
680-141783-18 MSD	Dwf-55 (0-6")	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-5 (0-6")

Lab Sample ID: 680-141783-1
Matrix: Solid
Date Collected: 07/25/17 14:40
Date Received: 08/04/17 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			490408	08/05/17 11:12	EDE	TAL SAV

Client Sample ID: Dwf-5 (0-6")

Lab Sample ID: 680-141783-1
Matrix: Solid
Date Collected: 07/25/17 14:40
Date Received: 08/04/17 09:10
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.09 g	10 mL	490468	08/07/17 15:59	CEW	TAL SAV
Total/NA	Analysis	8082A		1			490690	08/08/17 18:40	GEM	TAL SAV

Client Sample ID: Dwf-9 (12-24")-Y

Lab Sample ID: 680-141783-2
Matrix: Water
Date Collected: 07/26/17 12:20
Date Received: 08/04/17 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1027 mL	10 mL	490478	08/07/17 13:21	CEW	TAL SAV
Total/NA	Analysis	8082A		1			490699	08/08/17 20:16	JCK	TAL SAV

Client Sample ID: Dwf-11 (0-6")

Lab Sample ID: 680-141783-3
Matrix: Solid
Date Collected: 07/26/17 10:10
Date Received: 08/04/17 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			490408	08/05/17 11:13	EDE	TAL SAV

Client Sample ID: Dwf-11 (0-6")

Lab Sample ID: 680-141783-3
Matrix: Solid
Date Collected: 07/26/17 10:10
Date Received: 08/04/17 09:10
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	10 mL	490468	08/07/17 15:59	CEW	TAL SAV
Total/NA	Analysis	8082A		1			490690	08/08/17 18:54	GEM	TAL SAV

Client Sample ID: Dwf-13 (6-12")

Lab Sample ID: 680-141783-4
Matrix: Solid
Date Collected: 07/26/17 10:55
Date Received: 08/04/17 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			490408	08/05/17 11:13	EDE	TAL SAV

Lab Chronicle

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-13 (6-12")

Lab Sample ID: 680-141783-4

Date Collected: 07/26/17 10:55
Matrix: Solid
Date Received: 08/04/17 09:10
Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.01 g	10 mL	490468	08/07/17 15:59	CEW	TAL SAV
Total/NA	Analysis	8082A		5			490818	08/09/17 15:54	JCK	TAL SAV

Client Sample ID: Dwf-14 (0-6")

Lab Sample ID: 680-141783-5

Date Collected: 07/26/17 14:10
Matrix: Solid
Date Received: 08/04/17 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			490408	08/05/17 11:13	EDE	TAL SAV

Client Sample ID: Dwf-14 (0-6")

Lab Sample ID: 680-141783-5

Date Collected: 07/26/17 14:10
Matrix: Solid
Date Received: 08/04/17 09:10
Percent Solids: 81.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.03 g	10 mL	490468	08/07/17 15:59	CEW	TAL SAV
Total/NA	Analysis	8082A		1			490690	08/08/17 19:23	GEM	TAL SAV

Client Sample ID: Dwf-17 (12-24")

Lab Sample ID: 680-141783-6

Date Collected: 07/26/17 16:00
Matrix: Solid
Date Received: 08/04/17 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			490408	08/05/17 11:13	EDE	TAL SAV

Client Sample ID: Dwf-17 (12-24")

Lab Sample ID: 680-141783-6

Date Collected: 07/26/17 16:00
Matrix: Solid
Date Received: 08/04/17 09:10
Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.03 g	10 mL	490468	08/07/17 15:59	CEW	TAL SAV
Total/NA	Analysis	8082A		1			490690	08/08/17 19:37	GEM	TAL SAV

Client Sample ID: Dwf-21 (6-12")

Lab Sample ID: 680-141783-7

Date Collected: 07/27/17 09:20
Matrix: Solid
Date Received: 08/04/17 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			490408	08/05/17 11:13	EDE	TAL SAV

Lab Chronicle

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-21 (6-12")

Lab Sample ID: 680-141783-7
Date Collected: 07/27/17 09:20
Matrix: Solid
Date Received: 08/04/17 09:10
Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.05 g	10 mL	490468	08/07/17 15:59	CEW	TAL SAV
Total/NA	Analysis	8082A		1			490690	08/08/17 19:51	GEM	TAL SAV

Client Sample ID: Dwf-24 (12-24")

Lab Sample ID: 680-141783-8
Date Collected: 07/27/17 10:25
Matrix: Solid
Date Received: 08/04/17 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			490408	08/05/17 11:13	EDE	TAL SAV

Client Sample ID: Dwf-24 (12-24")

Lab Sample ID: 680-141783-8
Date Collected: 07/27/17 10:25
Matrix: Solid
Date Received: 08/04/17 09:10
Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.04 g	10 mL	490468	08/07/17 15:59	CEW	TAL SAV
Total/NA	Analysis	8082A		1			490690	08/08/17 20:06	GEM	TAL SAV

Client Sample ID: Dwf-28 (0-6")

Lab Sample ID: 680-141783-9
Date Collected: 07/27/17 14:55
Matrix: Solid
Date Received: 08/04/17 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			490408	08/05/17 11:13	EDE	TAL SAV

Client Sample ID: Dwf-28 (0-6")

Lab Sample ID: 680-141783-9
Date Collected: 07/27/17 14:55
Matrix: Solid
Date Received: 08/04/17 09:10
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.06 g	10 mL	490468	08/07/17 15:59	CEW	TAL SAV
Total/NA	Analysis	8082A		5			490818	08/09/17 16:08	JCK	TAL SAV

Client Sample ID: Dwf-33 (12-24")

Lab Sample ID: 680-141783-10
Date Collected: 07/28/17 09:25
Matrix: Solid
Date Received: 08/04/17 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			490408	08/05/17 11:13	EDE	TAL SAV

Lab Chronicle

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-33 (12-24")

Date Collected: 07/28/17 09:25
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-10
Matrix: Solid
Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.03 g	10 mL	490468	08/07/17 15:59	CEW	TAL SAV
Total/NA	Analysis	8082A		1			490690	08/08/17 20:34	GEM	TAL SAV

Client Sample ID: Dwf-37 (6-12")

Date Collected: 07/28/17 13:45
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			490408	08/05/17 11:13	EDE	TAL SAV

Client Sample ID: Dwf-37 (6-12")

Date Collected: 07/28/17 13:45
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-11
Matrix: Solid
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.01 g	10 mL	490468	08/07/17 15:59	CEW	TAL SAV
Total/NA	Analysis	8082A		1			490690	08/08/17 20:48	GEM	TAL SAV

Client Sample ID: Dwf-37 (6-12")-X

Date Collected: 07/28/17 13:45
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			490408	08/05/17 11:13	EDE	TAL SAV

Client Sample ID: Dwf-37 (6-12")-X

Date Collected: 07/28/17 13:45
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-12
Matrix: Solid
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.08 g	10 mL	490468	08/07/17 15:59	CEW	TAL SAV
Total/NA	Analysis	8082A		1			490690	08/08/17 21:03	GEM	TAL SAV

Client Sample ID: Dwf-40 (0-6")

Date Collected: 07/31/17 10:00
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			490408	08/05/17 11:13	EDE	TAL SAV

Lab Chronicle

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-40 (0-6")

Date Collected: 07/31/17 10:00
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-13
Matrix: Solid
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.04 g	10 mL	490468	08/07/17 15:59	CEW	TAL SAV
Total/NA	Analysis	8082A		1			490690	08/08/17 21:17	GEM	TAL SAV

Client Sample ID: Dwf-42 (6-12")

Date Collected: 07/31/17 09:35
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			490408	08/05/17 11:13	EDE	TAL SAV

Client Sample ID: Dwf-42 (6-12")

Date Collected: 07/31/17 09:35
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-14
Matrix: Solid
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.06 g	10 mL	490468	08/07/17 15:59	CEW	TAL SAV
Total/NA	Analysis	8082A		1			490690	08/08/17 21:31	GEM	TAL SAV

Client Sample ID: Dwf-47 (12-24")

Date Collected: 07/31/17 16:15
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			490408	08/05/17 11:13	EDE	TAL SAV

Client Sample ID: Dwf-47 (12-24")

Date Collected: 07/31/17 16:15
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-15
Matrix: Solid
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.07 g	10 mL	490468	08/07/17 15:59	CEW	TAL SAV
Total/NA	Analysis	8082A		1			490690	08/08/17 21:46	GEM	TAL SAV

Client Sample ID: Dwf-48 (0-6")

Date Collected: 07/31/17 16:20
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			490408	08/05/17 11:13	EDE	TAL SAV

Lab Chronicle

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-48 (0-6")

Lab Sample ID: 680-141783-16
Date Collected: 07/31/17 16:20
Matrix: Solid
Date Received: 08/04/17 09:10
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.07 g	10 mL	490468	08/07/17 15:59	CEW	TAL SAV
Total/NA	Analysis	8082A		5			490818	08/09/17 16:22	JCK	TAL SAV

Client Sample ID: Dwf-49 (12-24")

Lab Sample ID: 680-141783-17
Date Collected: 08/01/17 08:30
Matrix: Solid
Date Received: 08/04/17 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			490408	08/05/17 11:13	EDE	TAL SAV

Client Sample ID: Dwf-49 (12-24")

Lab Sample ID: 680-141783-17
Date Collected: 08/01/17 08:30
Matrix: Solid
Date Received: 08/04/17 09:10
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.07 g	10 mL	490468	08/07/17 15:59	CEW	TAL SAV
Total/NA	Analysis	8082A		1			490690	08/08/17 22:14	GEM	TAL SAV

Client Sample ID: Dwf-55 (0-6")

Lab Sample ID: 680-141783-18
Date Collected: 08/01/17 12:25
Matrix: Solid
Date Received: 08/04/17 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			490408	08/05/17 11:13	EDE	TAL SAV

Client Sample ID: Dwf-55 (0-6")

Lab Sample ID: 680-141783-18
Date Collected: 08/01/17 12:25
Matrix: Solid
Date Received: 08/04/17 09:10
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.03 g	10 mL	490468	08/07/17 15:59	CEW	TAL SAV
Total/NA	Analysis	8082A		1			490818	08/09/17 16:37	JCK	TAL SAV

Client Sample ID: Dwf-55 (6-12")

Lab Sample ID: 680-141783-19
Date Collected: 08/01/17 12:30
Matrix: Solid
Date Received: 08/04/17 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			490408	08/05/17 11:13	EDE	TAL SAV

Lab Chronicle

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-55 (6-12")

Date Collected: 08/01/17 12:30
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-19
Matrix: Solid
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.04 g	10 mL	490468	08/07/17 15:59	CEW	TAL SAV
Total/NA	Analysis	8082A		1			490690	08/08/17 22:28	GEM	TAL SAV

Client Sample ID: Dwf-55 (6-12")-X

Date Collected: 08/01/17 12:30
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			490408	08/05/17 11:13	EDE	TAL SAV

Client Sample ID: Dwf-55 (6-12")-X

Date Collected: 08/01/17 12:30
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-20
Matrix: Solid
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.09 g	10 mL	490468	08/07/17 15:59	CEW	TAL SAV
Total/NA	Analysis	8082A		1			490818	08/09/17 16:51	JCK	TAL SAV

Client Sample ID: Dwf-9 (12-24")

Date Collected: 07/26/17 09:20
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			490408	08/05/17 11:13	EDE	TAL SAV

Client Sample ID: Dwf-9 (12-24")

Date Collected: 07/26/17 09:20
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-21
Matrix: Solid
Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.10 g	10 mL	490468	08/07/17 15:59	CEW	TAL SAV
Total/NA	Analysis	8082A		1			490818	08/09/17 17:05	JCK	TAL SAV

Client Sample ID: Dwf-55 (0-6")--Y

Date Collected: 08/03/17 13:50
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1034 mL	10 mL	490478	08/07/17 13:21	CEW	TAL SAV
Total/NA	Analysis	8082A		1			490699	08/08/17 20:33	JCK	TAL SAV

Lab Chronicle

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Client Sample ID: Dwf-15 (0-6")-Y

Date Collected: 07/26/17 18:20
Date Received: 08/04/17 09:10

Lab Sample ID: 680-141783-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			991.3 mL	10 mL	490478	08/07/17 13:21	CEW	TAL SAV
Total/NA	Analysis	8082A		1			490699	08/08/17 20:50	JCK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: Solutia Inc. TestAmerica Job ID: 680-141783-1
Project/Site: AWWSB-Dewatering Facility OU4

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	11-05-17
Arizona	State Program	9	AZ808	12-14-17
Arkansas DEQ	State Program	6	88-0692	02-01-18
California	State Program	9	2939	06-30-17 *
Colorado	State Program	8	N/A	12-31-17
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-17
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-17
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-17
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-17
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-17
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-17 *
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-17
Oklahoma	State Program	6	9984	08-31-17 *
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-17
South Carolina	State Program	4	98001	06-30-17 *
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-17
US Fish & Wildlife	Federal		LE058448-0	10-31-17
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-17
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-17 *
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Sample Summary

Client: Solutia Inc.
Project/Site: AWWSB-Dewatering Facility OU4

TestAmerica Job ID: 680-141783-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-141783-1	Dwf-5 (0-6")	Solid	07/25/17 14:40	08/04/17 09:10
680-141783-2	Dwf-9 (12-24")-Y	Water	07/26/17 12:20	08/04/17 09:10
680-141783-3	Dwf-11 (0-6")	Solid	07/26/17 10:10	08/04/17 09:10
680-141783-4	Dwf-13 (6-12")	Solid	07/26/17 10:55	08/04/17 09:10
680-141783-5	Dwf-14 (0-6")	Solid	07/26/17 14:10	08/04/17 09:10
680-141783-6	Dwf-17 (12-24")	Solid	07/26/17 16:00	08/04/17 09:10
680-141783-7	Dwf-21 (6-12")	Solid	07/27/17 09:20	08/04/17 09:10
680-141783-8	Dwf-24 (12-24")	Solid	07/27/17 10:25	08/04/17 09:10
680-141783-9	Dwf-28 (0-6")	Solid	07/27/17 14:55	08/04/17 09:10
680-141783-10	Dwf-33 (12-24")	Solid	07/28/17 09:25	08/04/17 09:10
680-141783-11	Dwf-37 (6-12")	Solid	07/28/17 13:45	08/04/17 09:10
680-141783-12	Dwf-37 (6-12")-X	Solid	07/28/17 13:45	08/04/17 09:10
680-141783-13	Dwf-40 (0-6")	Solid	07/31/17 10:00	08/04/17 09:10
680-141783-14	Dwf-42 (6-12")	Solid	07/31/17 09:35	08/04/17 09:10
680-141783-15	Dwf-47 (12-24")	Solid	07/31/17 16:15	08/04/17 09:10
680-141783-16	Dwf-48 (0-6")	Solid	07/31/17 16:20	08/04/17 09:10
680-141783-17	Dwf-49 (12-24")	Solid	08/01/17 08:30	08/04/17 09:10
680-141783-18	Dwf-55 (0-6")	Solid	08/01/17 12:25	08/04/17 09:10
680-141783-19	Dwf-55 (6-12")	Solid	08/01/17 12:30	08/04/17 09:10
680-141783-20	Dwf-55 (6-12")-X	Solid	08/01/17 12:30	08/04/17 09:10
680-141783-21	Dwf-9 (12-24")	Solid	07/26/17 09:20	08/04/17 09:10
680-141783-22	Dwf-55 (0-6")--Y	Water	08/03/17 13:50	08/04/17 09:10
680-141783-23	Dwf-15 (0-6")-Y	Water	07/26/17 18:20	08/04/17 09:10

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

204418

TestAmerica
TestAmerica Laboratories, Inc.
TAL-0210 (0713)

Regulatory Program: DW NPDES RCRA Other

Client Contact	Project Manager:	Site Contact:	Date:	COC No:
Company Name: Solula	Tel/Fax:	Lab Contact:	Carrier:	2 of 2 COCs
Address: 702 Clydesmire Ave	Analysis Turnaround Time			Sampler:
City/State/Zip: Anniston, AL	CALENDAR DAYS WORKING DAYS			For Lab Use Only:
Phone:	✓ TAT if Different From Below			Walk-in Client:
Fax:	2 weeks			Lab Sampling:
Project Name:	1 week			
Site:	2 days			Job / SDG No:
PO #	1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	176027	Sample Specific Notes
Dwf-40 (0-6")	7/31/17	1000			1			X	
Dwf-42 (6-12")	7/31/17	0935			1				
Dwf-47 (12-24")	7/31/17	1615			1				
Dwf-48 (0-6")	7/31/17	1620			1				
Dwf-49 (0-24")	8/1/17	830			1				
Dwf-55 (0-6")	8/1/17	1225			2		Y		
Dwf-55 (6-12")	8/1/17	1230			1				
Dwf-55 (6-12")-x	8/1/17	1230			1				
Dwf-9 (0-24")-Y	7/26/17	1230			1			✓	
Dwf-55 (0-6")-Y	8/1/17	1350			2			X	

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
✓ Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Return To Client Disposal By Lab Archive For Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: Yes No | Custody Seal No: | Cooler Temp. (°C): Obs'd: Corr'd: | Therm ID No:

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	Cowan Project	8/1/17 1735		Sav.	08-04-17 0910
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
					26/27(CF) 2.8/2.9c

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912.354.7858 Fax:

Chain of Custody Record 204417

681-Atlanta

681-Atlanta

TestAmerica
TestAmerica Laboratories, Inc.

Regulatory Program: DW NPDES RCRA Other

TAL-8210 (0713)

Client Contact	Project Manager: Mike Price	Site Contact: Gayle Harris	Date: 8/3/17	COC No:
Company Name: Geosyntec Project Solutions	Tel/Fax:	Lab Contact: Kathy Smith	Carrier:	1 of 2 COCs
Address: 202 Clydesdale Ave	Analysis Turnaround Time			Sampler:
City/State/Zip: Anniston, AL	CALENDAR DAYS / WORKING DAYS			For Lab Use Only:
Phone:	✓ 14 days			Walk-in Client:
Fax:	2 weeks			Lab Sampling:
Project Name: AWS28 - Dredging Facility CMA	1 week			Job / SDG No:
Site:	2 days			
PO #:	1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix	# of Cont	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Pb2082	Sample Specific Notes:
DWF-5 (0-6")	7/25/17	1440			1				
DWF-9 (12-24")	7/26/17	0930			1				
DWF-11 (0-6")	7/26/17	1010			1				
DWF-13 (6-12")	7/26/17	1055			1				
DWF-14 (0-6")	7/26/17	1410			1				
DWF-17 (12-24")	7/26/17	1600			1				
DWF-21 (6-12")	7/27/17	0930			1				
DWF-24 (12-24")	7/27/17	1025			1				
DWF-28 (0-6")	7/27/17	1455			1				
DWF-33 (12-24")	7/28/17	0925			1				
DWF-36 (6-12")	7/28/17	1345			1				
DWF-37 (6-12") - X	7/28/17	1345			1				

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the samples in the Comments Section if the lab is to dispose of the sample.
✓ Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Return To Client Disposal By Lab Archive For Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: Yes No	Custody Seal No:	Cooler Temp. (°C): Obs'd: Corr'd:	Therm ID No:
Relinquished by:	Company: Geosyntec Project	Date/Time: 8/3/17 1735	Received by:	Company: Sav.	Date/Time: 8-04-17 0910
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: 26/27 (CF) 2.8 / 2.9	Date/Time:

Login Sample Receipt Checklist

Client: Solutia Inc.

Job Number: 680-141783-1

Login Number: 141783
List Number: 1
Creator: Banda, Christy S

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	Received extra samples not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Company Name: _____ Project Manager: _____

Project Name: Solutia AWWSB – Dewatering Facility Project Number: _____

Reviewer: Michael Price Validation Date: 09/24/2017

Laboratory: Test America Savannah SDG #:680-142732-1

Analytical Method (type and no.): PCB (8081B/8082A)

Matrix: ☐ Air ☒ Soil/Sed. ☒ Water ☐ Waste ☐ _____

Sample Names: DWF-6 (12-24"), DWF-23 (6-12"), DWF-24 (24-36"), DWF-27 (12-24"), DWF-30 (24-36"), DWF-30 (24-36")-X, DWF-46 (24-36"), DWF-52 (12-24"), DWF-56 (0-6"), DWF-56 (0-6")-X, DWF-58 (12-24"), DWF-59 (36-48"), DWF-64 (0-6"), DWF-58 (12-24")-Y

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☒	☐	☐	
b) Sampling team indicated?	☒	☐	☐	
c) Sample location noted?	☒	☐	☐	
d) Sample depth indicated (Soils)?	☒	☐	☐	
e) Sample type indicated (grab/composite)?	☒	☐	☐	
f) Field QC noted?	☒	☐	☐	
g) Field parameters collected (note types)?	☐	☒	☐	
h) Field Calibration within control limits?	☐	☐	☒	
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☒	☐	
j) Does the laboratory narrative indicate deficiencies?	☐	☒	☐	

Note Deficiencies: _____

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☒	☐	☐	
b) Was the COC signed by both field and laboratory personnel?	☒	☐	☐	
c) Were samples received in good condition?	☒	☐	☐	

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☒	☒	☐	Sample DWF-58 (12-24")-Y was extracted
b) Were hold times met for sample analysis?	☒	☐	☐	out of hold.
c) Were the correct preservatives used?	☒	☐	☐	
d) Was the correct method used?	☒	☐	☐	
e) Were appropriate reporting limits achieved?	☒	☐	☐	
f) Were any sample dilutions noted?	☒	☐	☐	Elevated concentrations required dilutions
g) Were any matrix problems noted?	☒	☐	☐	1268 Interference w/ DCB

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☒	☐	
b) Were analytes detected in the field blank(s)?	☐	☐	☒	
c) Were analytes detected in the equipment blank(s)?	☐	☒	☐	
d) Were analytes detected in the trip blank(s)?	☐	☐	☒	

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☒	☐	☐	
b) Were the proper compounds included in the LCS?	☒	☐	☐	
c) Was the LCS accuracy criteria met?	☒	☐	☐	

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?				DWF-30 (24-36") and DWF-30 (24-36")-X
	☒	☐	☐	1254 11%; 1260 23.4%; 1268 <2XDL
b) Were field dup. precision criteria met (note RPD)?	☒	☐	☐	DWF-56 (0-6") and DWF-56 (0-6")-X
c) Were lab duplicates analyzed (note original and duplicate samples)?				1254 10.9%; 1260 9.8%; 1268 <2XDL
	☐	☒	☐	
d) Were lab dup. precision criteria met (note RPD)?	☐	☐	☒	

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☒	☐	
b) Was the %D within control limits?	☐	☐	☒	

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met?	☒	☐	☐	
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	
b) Was MSD accuracy criteria met?	☒	☐	☐	
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	
c) Were MS/MSD precision criteria met?	☒	☐	☐	

Surrogate Spikes	YES	NO	NA	COMMENTS
a) Were surrogate recoveries within control limits?	☒	☒	☐	See below
b) Were surrogate recoveries not calculated due to dilutions?	☐	☒	☐	

Comments/Notes:

Sample DWF-64 (0-6") had an elevated DCB recovery with 1268 present, TCX recoveries acceptable, no data affected. Several samples had acceptable DCB recoveries with 1268 present, TCX recoveries acceptable, no data affected.

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason
DWF-58 (12-24")-Y	All Aroclors	BDL	UJ	Extracted out of hold.

Signature: _____ Date: 09/24/2017

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-142732-1
Client Project/Site: AWWSB

For:
Solutia Inc.
702 Clydesdale Ave.
Anniston, Alabama 36201-5328

Attn: Ms. Gayle Macolly

Michele R Kersey

Authorized for release by:
9/14/2017 3:18:18 PM

Michele Kersey, Project Manager II
(912)354-7858
michele.kersey@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 680-142732-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Solutia Inc.

Project: AWWSB

Report Number: 680-142732-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 8/31/2017 2:22 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.4° C.

Receipt Exceptions

Method(s) 3520C: The following sample was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: DWF-58 (12-24")-Y (680-142732-14).

POLYCHLORINATED BIPHENYLS (PCBS)

Samples DWF-6 (12-24") (680-142732-1), DWF-23 (6-12") (680-142732-2), DWF-24 (24-36") (680-142732-3), DWF-27 (12-24") (680-142732-4), DWF-30 (24-36") (680-142732-5), DWF-30 (24-36")-X (680-142732-6), DWF-46 (24-36") (680-142732-7), DWF-52 (12-24") (680-142732-8), DWF-56 (0-6") (680-142732-9), DWF-56 (0-6")-X (680-142732-10), DWF-58 (12-24") (680-142732-11), DWF-59 (36-48") (680-142732-12) and DWF-64 (0-6") (680-142732-13) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 09/05/2017 and analyzed on 09/05/2017 and 09/06/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

The following sample contained an allowable number of surrogate compounds outside limits: DWF-52 (12-24") (680-142732-8[MS]). These results have been reported and qualified.

The surrogate recovery for the blank associated with preparation batch 680-493856 and analytical batch 680-494048 was outside the control limits. All associated samples were within control limits.

The following sample contained an allowable number of surrogate compounds outside limits: DWF-64 (0-6") (680-142732-13). These results have been reported and qualified.

The following samples required a dilution due to the nature of the sample matrix: DWF-58 (12-24") (680-142732-11) and DWF-59 (36-48") (680-142732-12). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Samples DWF-58 (12-24") (680-142732-11)[10X], DWF-59 (36-48") (680-142732-12)[10X] and DWF-64 (0-6") (680-142732-13)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 680-142732-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

POLYCHLORINATED BIPHENYLS (PCBS)

Sample DWF-58 (12-24")-Y (680-142732-14) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 09/01/2017 and analyzed on 09/05/2017.

The following sample required a sulfuric acid clean-up, via EPA Method 3665A, to reduce matrix interferences: DWF-58 (12-24")-Y (680-142732-14).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Solutia Inc.
Project/Site: AWWSB

TestAmerica Job ID: 680-142732-1

Client Sample ID: DWF-6 (12-24") — Lab Sample ID: 680-142732-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	210		39		ug/Kg	1	☼	8082A	Total/NA
PCB-1260	190		39		ug/Kg	1	☼	8082A	Total/NA
PCB-1268	57		39		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: DWF-23 (6-12") — Lab Sample ID: 680-142732-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1260	290		38		ug/Kg	1	☼	8082A	Total/NA
PCB-1268	79		38		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: DWF-24 (24-36") — Lab Sample ID: 680-142732-3

No Detections.

Client Sample ID: DWF-27 (12-24") — Lab Sample ID: 680-142732-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	600		34		ug/Kg	1	☼	8082A	Total/NA
PCB-1260	340		34		ug/Kg	1	☼	8082A	Total/NA
PCB-1268	82		34		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: DWF-30 (24-36") — Lab Sample ID: 680-142732-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	480		38		ug/Kg	1	☼	8082A	Total/NA
PCB-1260	430		38		ug/Kg	1	☼	8082A	Total/NA
PCB-1268	110		38		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: DWF-30 (24-36")-X — Lab Sample ID: 680-142732-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	430		38		ug/Kg	1	☼	8082A	Total/NA
PCB-1260	340		38		ug/Kg	1	☼	8082A	Total/NA
PCB-1268	80		38		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: DWF-46 (24-36") — Lab Sample ID: 680-142732-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	490		38		ug/Kg	1	☼	8082A	Total/NA
PCB-1260	290		38		ug/Kg	1	☼	8082A	Total/NA
PCB-1268	81		38		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: DWF-52 (12-24") — Lab Sample ID: 680-142732-8

No Detections.

Client Sample ID: DWF-56 (0-6") — Lab Sample ID: 680-142732-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	290	H	36		ug/Kg	1	☼	8082A	Total/NA
PCB-1260	320	H	36		ug/Kg	1	☼	8082A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Solutia Inc.
Project/Site: AWWSB

TestAmerica Job ID: 680-142732-1

Client Sample ID: DWF-56 (0-6") (Continued)

Lab Sample ID: 680-142732-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1268	100	H	36		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: DWF-56 (0-6")-X

Lab Sample ID: 680-142732-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	260	H	36		ug/Kg	1	☼	8082A	Total/NA
PCB-1260	290	H	36		ug/Kg	1	☼	8082A	Total/NA
PCB-1268	110	H	36		ug/Kg	1	☼	8082A	Total/NA

Client Sample ID: DWF-58 (12-24")

Lab Sample ID: 680-142732-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	3900		380		ug/Kg	10	☼	8082A	Total/NA
PCB-1260	2900		380		ug/Kg	10	☼	8082A	Total/NA
PCB-1268	870		380		ug/Kg	10	☼	8082A	Total/NA

Client Sample ID: DWF-59 (36-48")

Lab Sample ID: 680-142732-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	6100		400		ug/Kg	10	☼	8082A	Total/NA
PCB-1260	3900		400		ug/Kg	10	☼	8082A	Total/NA
PCB-1268	1000		400		ug/Kg	10	☼	8082A	Total/NA

Client Sample ID: DWF-64 (0-6")

Lab Sample ID: 680-142732-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	2200		190		ug/Kg	5	☼	8082A	Total/NA
PCB-1260	1700		190		ug/Kg	5	☼	8082A	Total/NA
PCB-1268	500		190		ug/Kg	5	☼	8082A	Total/NA

Client Sample ID: DWF-58 (12-24")-Y

Lab Sample ID: 680-142732-14

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: DWF-6 (12-24")
Date Collected: 08/24/17 16:30
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-1
Matrix: Solid
Percent Solids: 84.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<39		39		ug/Kg	☼	09/05/17 11:26	09/05/17 20:24	1
PCB-1221	<39		39		ug/Kg	☼	09/05/17 11:26	09/05/17 20:24	1
PCB-1232	<39		39		ug/Kg	☼	09/05/17 11:26	09/05/17 20:24	1
PCB-1242	<39		39		ug/Kg	☼	09/05/17 11:26	09/05/17 20:24	1
PCB-1248	<39		39		ug/Kg	☼	09/05/17 11:26	09/05/17 20:24	1
PCB-1254	**210**		39		ug/Kg	☼	09/05/17 11:26	09/05/17 20:24	1
PCB-1260	**190**		39		ug/Kg	☼	09/05/17 11:26	09/05/17 20:24	1
PCB-1268	**57**		39		ug/Kg	☼	09/05/17 11:26	09/05/17 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*54 - 133*	*09/05/17 11:26*	*09/05/17 20:24*	*1*
Tetrachloro-m-xylene	*92*		*46 - 130*	*09/05/17 11:26*	*09/05/17 20:24*	*1*

Client: Solutia Inc.
Project/Site: AWWSB

TestAmerica Job ID: 680-142732-1

Client Sample ID: DWF-23 (6-12")
Date Collected: 08/28/17 10:45
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-2
Matrix: Solid
Percent Solids: 86.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 20:38	1
PCB-1221	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 20:38	1
PCB-1232	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 20:38	1
PCB-1242	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 20:38	1
PCB-1248	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 20:38	1
PCB-1254	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 20:38	1
PCB-1260	**290**		38		ug/Kg	☼	09/05/17 11:26	09/05/17 20:38	1
PCB-1268	**79**		38		ug/Kg	☼	09/05/17 11:26	09/05/17 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*54 - 133*	*09/05/17 11:26*	*09/05/17 20:38*	*1*
Tetrachloro-m-xylene	*90*		*46 - 130*	*09/05/17 11:26*	*09/05/17 20:38*	*1*

Client: Solutia Inc.
Project/Site: AWWSB

TestAmerica Job ID: 680-142732-1

Client Sample ID: DWF-24 (24-36")
Date Collected: 08/22/17 10:20
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-3
Matrix: Solid
Percent Solids: 75.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<43		43		ug/Kg	☼	09/05/17 11:26	09/05/17 20:53	1
PCB-1221	<43		43		ug/Kg	☼	09/05/17 11:26	09/05/17 20:53	1
PCB-1232	<43		43		ug/Kg	☼	09/05/17 11:26	09/05/17 20:53	1
PCB-1242	<43		43		ug/Kg	☼	09/05/17 11:26	09/05/17 20:53	1
PCB-1248	<43		43		ug/Kg	☼	09/05/17 11:26	09/05/17 20:53	1
PCB-1254	<43		43		ug/Kg	☼	09/05/17 11:26	09/05/17 20:53	1
PCB-1260	<43		43		ug/Kg	☼	09/05/17 11:26	09/05/17 20:53	1
PCB-1268	<43		43		ug/Kg	☼	09/05/17 11:26	09/05/17 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*54 - 133*	*09/05/17 11:26*	*09/05/17 20:53*	*1*
Tetrachloro-m-xylene	*85*		*46 - 130*	*09/05/17 11:26*	*09/05/17 20:53*	*1*

Client: Solutia Inc.
Project/Site: AWWSB

TestAmerica Job ID: 680-142732-1

Client Sample ID: DWF-27 (12-24")
Date Collected: 08/22/17 11:40
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-4
Matrix: Solid
Percent Solids: 95.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<34		34		ug/Kg	☼	09/05/17 11:26	09/05/17 21:07	1
PCB-1221	<34		34		ug/Kg	☼	09/05/17 11:26	09/05/17 21:07	1
PCB-1232	<34		34		ug/Kg	☼	09/05/17 11:26	09/05/17 21:07	1
PCB-1242	<34		34		ug/Kg	☼	09/05/17 11:26	09/05/17 21:07	1
PCB-1248	<34		34		ug/Kg	☼	09/05/17 11:26	09/05/17 21:07	1
PCB-1254	**600**		34		ug/Kg	☼	09/05/17 11:26	09/05/17 21:07	1
PCB-1260	**340**		34		ug/Kg	☼	09/05/17 11:26	09/05/17 21:07	1
PCB-1268	**82**		34		ug/Kg	☼	09/05/17 11:26	09/05/17 21:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*54 - 133*	*09/05/17 11:26*	*09/05/17 21:07*	*1*
Tetrachloro-m-xylene	*85*		*46 - 130*	*09/05/17 11:26*	*09/05/17 21:07*	*1*

Client Sample ID: DWF-30 (24-36")
Date Collected: 08/23/17 10:05
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-5
Matrix: Solid
Percent Solids: 85.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:22	1
PCB-1221	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:22	1
PCB-1232	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:22	1
PCB-1242	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:22	1
PCB-1248	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:22	1
PCB-1254	**480**		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:22	1
PCB-1260	**430**		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:22	1
PCB-1268	**110**		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*54 - 133*	*09/05/17 11:26*	*09/05/17 21:22*	*1*
Tetrachloro-m-xylene	*94*		*46 - 130*	*09/05/17 11:26*	*09/05/17 21:22*	*1*

Client: Solutia Inc.
Project/Site: AWWSB

TestAmerica Job ID: 680-142732-1

Client Sample ID: DWF-30 (24-36")-X
Date Collected: 08/23/17 10:05
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-6
Matrix: Solid
Percent Solids: 85.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:36	1
PCB-1221	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:36	1
PCB-1232	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:36	1
PCB-1242	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:36	1
PCB-1248	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:36	1
PCB-1254	**430**		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:36	1
PCB-1260	**340**		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:36	1
PCB-1268	**80**		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*58*		*54 - 133*	*09/05/17 11:26*	*09/05/17 21:36*	*1*
Tetrachloro-m-xylene	*84*		*46 - 130*	*09/05/17 11:26*	*09/05/17 21:36*	*1*

Client Sample ID: DWF-46 (24-36")
Date Collected: 08/22/17 15:25
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-7
Matrix: Solid
Percent Solids: 87.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:51	1
PCB-1221	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:51	1
PCB-1232	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:51	1
PCB-1242	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:51	1
PCB-1248	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:51	1
PCB-1254	**490**		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:51	1
PCB-1260	**290**		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:51	1
PCB-1268	**81**		38		ug/Kg	☼	09/05/17 11:26	09/05/17 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*74*		*54 - 133*	*09/05/17 11:26*	*09/05/17 21:51*	*1*
Tetrachloro-m-xylene	*94*		*46 - 130*	*09/05/17 11:26*	*09/05/17 21:51*	*1*

Client Sample ID: DWF-52 (12-24")
Date Collected: 08/23/17 09:30
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-8
Matrix: Solid
Percent Solids: 86.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 22:05	1
PCB-1221	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 22:05	1
PCB-1232	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 22:05	1
PCB-1242	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 22:05	1
PCB-1248	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 22:05	1
PCB-1254	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 22:05	1
PCB-1260	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 22:05	1
PCB-1268	<38		38		ug/Kg	☼	09/05/17 11:26	09/05/17 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*54 - 133*	*09/05/17 11:26*	*09/05/17 22:05*	*1*
Tetrachloro-m-xylene	*96*		*46 - 130*	*09/05/17 11:26*	*09/05/17 22:05*	*1*

Client Sample ID: DWF-56 (0-6")
Date Collected: 08/21/17 10:30
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-9
Matrix: Solid
Percent Solids: 90.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<36	H	36		ug/Kg	☼	09/05/17 11:26	09/05/17 22:20	1
PCB-1221	<36	H	36		ug/Kg	☼	09/05/17 11:26	09/05/17 22:20	1
PCB-1232	<36	H	36		ug/Kg	☼	09/05/17 11:26	09/05/17 22:20	1
PCB-1242	<36	H	36		ug/Kg	☼	09/05/17 11:26	09/05/17 22:20	1
PCB-1248	<36	H	36		ug/Kg	☼	09/05/17 11:26	09/05/17 22:20	1
PCB-1254	**290**	**H**	36		ug/Kg	☼	09/05/17 11:26	09/05/17 22:20	1
PCB-1260	**320**	**H**	36		ug/Kg	☼	09/05/17 11:26	09/05/17 22:20	1
PCB-1268	**100**	**H**	36		ug/Kg	☼	09/05/17 11:26	09/05/17 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*61*		*54 - 133*	*09/05/17 11:26*	*09/05/17 22:20*	*1*
Tetrachloro-m-xylene	*78*		*46 - 130*	*09/05/17 11:26*	*09/05/17 22:20*	*1*

Client: Solutia Inc.
Project/Site: AWWSB

TestAmerica Job ID: 680-142732-1

Client Sample ID: DWF-56 (0-6")-X
Date Collected: 08/21/17 10:30
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-10
Matrix: Solid
Percent Solids: 90.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<36	H	36		ug/Kg	☼	09/05/17 11:26	09/05/17 22:35	1
PCB-1221	<36	H	36		ug/Kg	☼	09/05/17 11:26	09/05/17 22:35	1
PCB-1232	<36	H	36		ug/Kg	☼	09/05/17 11:26	09/05/17 22:35	1
PCB-1242	<36	H	36		ug/Kg	☼	09/05/17 11:26	09/05/17 22:35	1
PCB-1248	<36	H	36		ug/Kg	☼	09/05/17 11:26	09/05/17 22:35	1
PCB-1254	**260**	**H**	36		ug/Kg	☼	09/05/17 11:26	09/05/17 22:35	1
PCB-1260	**290**	**H**	36		ug/Kg	☼	09/05/17 11:26	09/05/17 22:35	1
PCB-1268	**110**	**H**	36		ug/Kg	☼	09/05/17 11:26	09/05/17 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*54 - 133*	*09/05/17 11:26*	*09/05/17 22:35*	*1*
Tetrachloro-m-xylene	*74*		*46 - 130*	*09/05/17 11:26*	*09/05/17 22:35*	*1*

Client: Solutia Inc.
Project/Site: AWWSB

TestAmerica Job ID: 680-142732-1

Client Sample ID: DWF-58 (12-24")
Date Collected: 08/24/17 10:10
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-11
Matrix: Solid
Percent Solids: 86.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<380		380		ug/Kg	☼	09/05/17 11:26	09/06/17 15:59	10
PCB-1221	<380		380		ug/Kg	☼	09/05/17 11:26	09/06/17 15:59	10
PCB-1232	<380		380		ug/Kg	☼	09/05/17 11:26	09/06/17 15:59	10
PCB-1242	<380		380		ug/Kg	☼	09/05/17 11:26	09/06/17 15:59	10
PCB-1248	<380		380		ug/Kg	☼	09/05/17 11:26	09/06/17 15:59	10
PCB-1254	**3900**		380		ug/Kg	☼	09/05/17 11:26	09/06/17 15:59	10
PCB-1260	**2900**		380		ug/Kg	☼	09/05/17 11:26	09/06/17 15:59	10
PCB-1268	**870**		380		ug/Kg	☼	09/05/17 11:26	09/06/17 15:59	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*54 - 133*	*09/05/17 11:26*	*09/06/17 15:59*	*10*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*09/05/17 11:26*	*09/06/17 15:59*	*10*

Client Sample ID: DWF-59 (36-48")
Date Collected: 08/22/17 16:10
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-12
Matrix: Solid
Percent Solids: 82.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<400		400		ug/Kg	☼	09/05/17 11:26	09/06/17 16:14	10
PCB-1221	<400		400		ug/Kg	☼	09/05/17 11:26	09/06/17 16:14	10
PCB-1232	<400		400		ug/Kg	☼	09/05/17 11:26	09/06/17 16:14	10
PCB-1242	<400		400		ug/Kg	☼	09/05/17 11:26	09/06/17 16:14	10
PCB-1248	<400		400		ug/Kg	☼	09/05/17 11:26	09/06/17 16:14	10
PCB-1254	**6100**		400		ug/Kg	☼	09/05/17 11:26	09/06/17 16:14	10
PCB-1260	**3900**		400		ug/Kg	☼	09/05/17 11:26	09/06/17 16:14	10
PCB-1268	**1000**		400		ug/Kg	☼	09/05/17 11:26	09/06/17 16:14	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*54 - 133*	*09/05/17 11:26*	*09/06/17 16:14*	*10*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*09/05/17 11:26*	*09/06/17 16:14*	*10*

Client: Solutia Inc.
Project/Site: AWWSB

TestAmerica Job ID: 680-142732-1

Client Sample ID: DWF-64 (0-6")
Date Collected: 08/23/17 14:30
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-13
Matrix: Solid
Percent Solids: 87.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<190		190		ug/Kg	☼	09/05/17 11:26	09/06/17 16:28	5
PCB-1221	<190		190		ug/Kg	☼	09/05/17 11:26	09/06/17 16:28	5
PCB-1232	<190		190		ug/Kg	☼	09/05/17 11:26	09/06/17 16:28	5
PCB-1242	<190		190		ug/Kg	☼	09/05/17 11:26	09/06/17 16:28	5
PCB-1248	<190		190		ug/Kg	☼	09/05/17 11:26	09/06/17 16:28	5
PCB-1254	**2200**		190		ug/Kg	☼	09/05/17 11:26	09/06/17 16:28	5
PCB-1260	**1700**		190		ug/Kg	☼	09/05/17 11:26	09/06/17 16:28	5
PCB-1268	**500**		190		ug/Kg	☼	09/05/17 11:26	09/06/17 16:28	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*144*	*X*	*54 - 133*	*09/05/17 11:26*	*09/06/17 16:28*	*5*
Tetrachloro-m-xylene	*86*		*46 - 130*	*09/05/17 11:26*	*09/06/17 16:28*	*5*

Client Sample ID: DWF-58 (12-24")-Y
Date Collected: 08/24/17 13:20
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-14
Matrix: Water

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.99	H UJ	0.99		ug/L		09/01/17 17:00	09/05/17 16:39	1
PCB-1221	<0.99	H UJ	0.99		ug/L		09/01/17 17:00	09/05/17 16:39	1
PCB-1232	<0.99	H UJ	0.99		ug/L		09/01/17 17:00	09/05/17 16:39	1
PCB-1242	<0.99	H UJ	0.99		ug/L		09/01/17 17:00	09/05/17 16:39	1
PCB-1248	<0.99	H UJ	0.99		ug/L		09/01/17 17:00	09/05/17 16:39	1
PCB-1254	<0.99	H UJ	0.99		ug/L		09/01/17 17:00	09/05/17 16:39	1
PCB-1260	<0.99	H UJ	0.99		ug/L		09/01/17 17:00	09/05/17 16:39	1
PCB-1268	<0.99	H UJ	0.99		ug/L		09/01/17 17:00	09/05/17 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*58*		*40 - 130*	*09/01/17 17:00*	*09/05/17 16:39*	*1*
DCB Decachlorobiphenyl	*19*		*14 - 130*	*09/01/17 17:00*	*09/05/17 16:39*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 680-493856/3-A
Matrix: Water
Analysis Batch: 494048

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 493856

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.0		1.0		ug/L		09/01/17 17:00	09/05/17 15:52	1
PCB-1221	<1.0		1.0		ug/L		09/01/17 17:00	09/05/17 15:52	1
PCB-1232	<1.0		1.0		ug/L		09/01/17 17:00	09/05/17 15:52	1
PCB-1242	<1.0		1.0		ug/L		09/01/17 17:00	09/05/17 15:52	1
PCB-1248	<1.0		1.0		ug/L		09/01/17 17:00	09/05/17 15:52	1
PCB-1254	<1.0		1.0		ug/L		09/01/17 17:00	09/05/17 15:52	1
PCB-1260	<1.0		1.0		ug/L		09/01/17 17:00	09/05/17 15:52	1
PCB-1268	<1.0		1.0		ug/L		09/01/17 17:00	09/05/17 15:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*14 - 130*	*09/01/17 17:00*	*09/05/17 15:52*	*1*
Tetrachloro-m-xylene	*35*	*X*	*40 - 130*	*09/01/17 17:00*	*09/05/17 15:52*	*1*

Lab Sample ID: LCS 680-493856/4-A
Matrix: Water
Analysis Batch: 494048

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 493856

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	6.00	3.65		ug/L		61	44 - 130
PCB-1260	6.00	4.34		ug/L		72	35 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*65*		*14 - 130*
Tetrachloro-m-xylene	*50*		*40 - 130*

Lab Sample ID: MB 680-493930/14-A
Matrix: Solid
Analysis Batch: 494113

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 493930

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<32		32		ug/Kg		09/05/17 11:26	09/05/17 19:40	1
PCB-1221	<32		32		ug/Kg		09/05/17 11:26	09/05/17 19:40	1
PCB-1232	<32		32		ug/Kg		09/05/17 11:26	09/05/17 19:40	1
PCB-1242	<32		32		ug/Kg		09/05/17 11:26	09/05/17 19:40	1
PCB-1248	<32		32		ug/Kg		09/05/17 11:26	09/05/17 19:40	1
PCB-1254	<32		32		ug/Kg		09/05/17 11:26	09/05/17 19:40	1
PCB-1260	<32		32		ug/Kg		09/05/17 11:26	09/05/17 19:40	1
PCB-1268	<32		32		ug/Kg		09/05/17 11:26	09/05/17 19:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*54 - 133*	*09/05/17 11:26*	*09/05/17 19:40*	*1*
Tetrachloro-m-xylene	*84*		*46 - 130*	*09/05/17 11:26*	*09/05/17 19:40*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 680-493930/15-A
Matrix: Solid
Analysis Batch: 494113

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 493930

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	393	330		ug/Kg		84	43 - 130
PCB-1260	393	350		ug/Kg		89	45 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*83*		*54 - 133*
Tetrachloro-m-xylene	*88*		*46 - 130*

Lab Sample ID: LCSSRM 680-493930/18-A
Matrix: Solid
Analysis Batch: 494113

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 493930

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1248	1500	2060		ug/Kg		137	44 - 188
PCB-1254	3000	3390		ug/Kg		113	45 - 170
PCB-1260	2000	3040		ug/Kg		152	51 - 178
PCB-1268	1500	1890		ug/Kg		126	52 - 137

Surrogate	*LCSSRM %Recovery*	*LCSSRM Qualifier*	*Limits*
DCB Decachlorobiphenyl	*93*		*54 - 133*
Tetrachloro-m-xylene	*71*		*46 - 130*

Lab Sample ID: 680-142732-8 MS
Matrix: Solid
Analysis Batch: 494113

Client Sample ID: DWF-52 (12-24")
Prep Type: Total/NA
Prep Batch: 493930

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	<38		458	368		ug/Kg	☼	80	43 - 130
PCB-1260	<38		458	294		ug/Kg	☼	64	45 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*47*	*X*	*54 - 133*
Tetrachloro-m-xylene	*89*		*46 - 130*

Lab Sample ID: 680-142732-8 MSD
Matrix: Solid
Analysis Batch: 494113

Client Sample ID: DWF-52 (12-24")
Prep Type: Total/NA
Prep Batch: 493930

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	<38		456	421		ug/Kg	☼	92	43 - 130	14	50
PCB-1260	<38		456	316		ug/Kg	☼	69	45 - 130	7	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*58*		*54 - 133*
Tetrachloro-m-xylene	*94*		*46 - 130*

QC Association Summary

Client: Solutia Inc.
Project/Site: AWWSB

TestAmerica Job ID: 680-142732-1

GC Semi VOA

Prep Batch: 493856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-142732-14	DWF-58 (12-24")-Y	Total/NA	Water	3520C	
MB 680-493856/3-A	Method Blank	Total/NA	Water	3520C	
LCS 680-493856/4-A	Lab Control Sample	Total/NA	Water	3520C	

Prep Batch: 493930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-142732-1	DWF-6 (12-24")	Total/NA	Solid	3546	
680-142732-2	DWF-23 (6-12")	Total/NA	Solid	3546	
680-142732-3	DWF-24 (24-36")	Total/NA	Solid	3546	
680-142732-4	DWF-27 (12-24")	Total/NA	Solid	3546	
680-142732-5	DWF-30 (24-36")	Total/NA	Solid	3546	
680-142732-6	DWF-30 (24-36")-X	Total/NA	Solid	3546	
680-142732-7	DWF-46 (24-36")	Total/NA	Solid	3546	
680-142732-8	DWF-52 (12-24")	Total/NA	Solid	3546	
680-142732-9	DWF-56 (0-6")	Total/NA	Solid	3546	
680-142732-10	DWF-56 (0-6")-X	Total/NA	Solid	3546	
680-142732-11	DWF-58 (12-24")	Total/NA	Solid	3546	
680-142732-12	DWF-59 (36-48")	Total/NA	Solid	3546	
680-142732-13	DWF-64 (0-6")	Total/NA	Solid	3546	
MB 680-493930/14-A	Method Blank	Total/NA	Solid	3546	
LCS 680-493930/15-A	Lab Control Sample	Total/NA	Solid	3546	
LCSSRM 680-493930/18-A	Lab Control Sample	Total/NA	Solid	3546	
680-142732-8 MS	DWF-52 (12-24")	Total/NA	Solid	3546	
680-142732-8 MSD	DWF-52 (12-24")	Total/NA	Solid	3546	

Analysis Batch: 494048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-142732-14	DWF-58 (12-24")-Y	Total/NA	Water	8082A	493856
MB 680-493856/3-A	Method Blank	Total/NA	Water	8082A	493856
LCS 680-493856/4-A	Lab Control Sample	Total/NA	Water	8082A	493856

Analysis Batch: 494113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-142732-1	DWF-6 (12-24")	Total/NA	Solid	8082A	493930
680-142732-2	DWF-23 (6-12")	Total/NA	Solid	8082A	493930
680-142732-3	DWF-24 (24-36")	Total/NA	Solid	8082A	493930
680-142732-4	DWF-27 (12-24")	Total/NA	Solid	8082A	493930
680-142732-5	DWF-30 (24-36")	Total/NA	Solid	8082A	493930
680-142732-6	DWF-30 (24-36")-X	Total/NA	Solid	8082A	493930
680-142732-7	DWF-46 (24-36")	Total/NA	Solid	8082A	493930
680-142732-8	DWF-52 (12-24")	Total/NA	Solid	8082A	493930
680-142732-9	DWF-56 (0-6")	Total/NA	Solid	8082A	493930
680-142732-10	DWF-56 (0-6")-X	Total/NA	Solid	8082A	493930
MB 680-493930/14-A	Method Blank	Total/NA	Solid	8082A	493930
LCS 680-493930/15-A	Lab Control Sample	Total/NA	Solid	8082A	493930
LCSSRM 680-493930/18-A	Lab Control Sample	Total/NA	Solid	8082A	493930
680-142732-8 MS	DWF-52 (12-24")	Total/NA	Solid	8082A	493930
680-142732-8 MSD	DWF-52 (12-24")	Total/NA	Solid	8082A	493930

GC Semi VOA (Continued)

Analysis Batch: 494156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-142732-11	DWF-58 (12-24")	Total/NA	Solid	8082A	493930
680-142732-12	DWF-59 (36-48")	Total/NA	Solid	8082A	493930
680-142732-13	DWF-64 (0-6")	Total/NA	Solid	8082A	493930

General Chemistry

Analysis Batch: 493919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-142732-1	DWF-6 (12-24")	Total/NA	Solid	Moisture	
680-142732-2	DWF-23 (6-12")	Total/NA	Solid	Moisture	
680-142732-3	DWF-24 (24-36")	Total/NA	Solid	Moisture	
680-142732-4	DWF-27 (12-24")	Total/NA	Solid	Moisture	
680-142732-5	DWF-30 (24-36")	Total/NA	Solid	Moisture	
680-142732-6	DWF-30 (24-36")-X	Total/NA	Solid	Moisture	
680-142732-7	DWF-46 (24-36")	Total/NA	Solid	Moisture	
680-142732-8	DWF-52 (12-24")	Total/NA	Solid	Moisture	
680-142732-9	DWF-56 (0-6")	Total/NA	Solid	Moisture	
680-142732-10	DWF-56 (0-6")-X	Total/NA	Solid	Moisture	
680-142732-11	DWF-58 (12-24")	Total/NA	Solid	Moisture	
680-142732-12	DWF-59 (36-48")	Total/NA	Solid	Moisture	
680-142732-13	DWF-64 (0-6")	Total/NA	Solid	Moisture	
680-142732-8 MS	DWF-52 (12-24")	Total/NA	Solid	Moisture	
680-142732-8 MSD	DWF-52 (12-24")	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Solutia Inc.
Project/Site: AWWSB

TestAmerica Job ID: 680-142732-1

Client Sample ID: DWF-6 (12-24")

Date Collected: 08/24/17 16:30
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			493919	09/02/17 10:22	EAB	TAL SAV

Client Sample ID: DWF-6 (12-24")

Date Collected: 08/24/17 16:30
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-1
Matrix: Solid
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.11 g	10 mL	493930	09/05/17 11:26	JAM	TAL SAV
Total/NA	Analysis	8082A		1			494113	09/05/17 20:24	JCK	TAL SAV

Client Sample ID: DWF-23 (6-12")

Date Collected: 08/28/17 10:45
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			493919	09/02/17 10:22	EAB	TAL SAV

Client Sample ID: DWF-23 (6-12")

Date Collected: 08/28/17 10:45
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-2
Matrix: Solid
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.18 g	10 mL	493930	09/05/17 11:26	JAM	TAL SAV
Total/NA	Analysis	8082A		1			494113	09/05/17 20:38	JCK	TAL SAV

Client Sample ID: DWF-24 (24-36")

Date Collected: 08/22/17 10:20
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			493919	09/02/17 10:22	EAB	TAL SAV

Client Sample ID: DWF-24 (24-36")

Date Collected: 08/22/17 10:20
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-3
Matrix: Solid
Percent Solids: 75.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.18 g	10 mL	493930	09/05/17 11:26	JAM	TAL SAV
Total/NA	Analysis	8082A		1			494113	09/05/17 20:53	JCK	TAL SAV

Lab Chronicle

Client: Solutia Inc.
Project/Site: AWWSB

TestAmerica Job ID: 680-142732-1

Client Sample ID: DWF-27 (12-24")

Date Collected: 08/22/17 11:40
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			493919	09/02/17 10:22	EAB	TAL SAV

Client Sample ID: DWF-27 (12-24")

Date Collected: 08/22/17 11:40
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-4
Matrix: Solid
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.13 g	10 mL	493930	09/05/17 11:26	JAM	TAL SAV
Total/NA	Analysis	8082A		1			494113	09/05/17 21:07	JCK	TAL SAV

Client Sample ID: DWF-30 (24-36")

Date Collected: 08/23/17 10:05
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			493919	09/02/17 10:22	EAB	TAL SAV

Client Sample ID: DWF-30 (24-36")

Date Collected: 08/23/17 10:05
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-5
Matrix: Solid
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.20 g	10 mL	493930	09/05/17 11:26	JAM	TAL SAV
Total/NA	Analysis	8082A		1			494113	09/05/17 21:22	JCK	TAL SAV

Client Sample ID: DWF-30 (24-36")-X

Date Collected: 08/23/17 10:05
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			493919	09/02/17 10:22	EAB	TAL SAV

Client Sample ID: DWF-30 (24-36")-X

Date Collected: 08/23/17 10:05
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-6
Matrix: Solid
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.11 g	10 mL	493930	09/05/17 11:26	JAM	TAL SAV
Total/NA	Analysis	8082A		1			494113	09/05/17 21:36	JCK	TAL SAV

Lab Chronicle

Client: Solutia Inc.
Project/Site: AWWSB

TestAmerica Job ID: 680-142732-1

Client Sample ID: DWF-46 (24-36")

Date Collected: 08/22/17 15:25
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			493919	09/02/17 10:22	EAB	TAL SAV

Client Sample ID: DWF-46 (24-36")

Date Collected: 08/22/17 15:25
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-7
Matrix: Solid
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.14 g	10 mL	493930	09/05/17 11:26	JAM	TAL SAV
Total/NA	Analysis	8082A		1			494113	09/05/17 21:51	JCK	TAL SAV

Client Sample ID: DWF-52 (12-24")

Date Collected: 08/23/17 09:30
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			493919	09/02/17 10:22	EAB	TAL SAV

Client Sample ID: DWF-52 (12-24")

Date Collected: 08/23/17 09:30
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-8
Matrix: Solid
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.08 g	10 mL	493930	09/05/17 11:26	JAM	TAL SAV
Total/NA	Analysis	8082A		1			494113	09/05/17 22:05	JCK	TAL SAV

Client Sample ID: DWF-56 (0-6")

Date Collected: 08/21/17 10:30
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			493919	09/02/17 10:22	EAB	TAL SAV

Client Sample ID: DWF-56 (0-6")

Date Collected: 08/21/17 10:30
Date Received: 08/31/17 14:22

Lab Sample ID: 680-142732-9
Matrix: Solid
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.17 g	10 mL	493930	09/05/17 11:26	JAM	TAL SAV
Total/NA	Analysis	8082A		1			494113	09/05/17 22:20	JCK	TAL SAV

Lab Chronicle

Client: Solutia Inc.
Project/Site: AWWSB

TestAmerica Job ID: 680-142732-1

Client Sample ID: DWF-56 (0-6")-X — **Lab Sample ID: 680-142732-10**
Date Collected: 08/21/17 10:30 — **Matrix: Solid**
Date Received: 08/31/17 14:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			493919	09/02/17 10:22	EAB	TAL SAV

Client Sample ID: DWF-56 (0-6")-X — **Lab Sample ID: 680-142732-10**
Date Collected: 08/21/17 10:30 — **Matrix: Solid**
Date Received: 08/31/17 14:22 — **Percent Solids: 90.1**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.12 g	10 mL	493930	09/05/17 11:26	JAM	TAL SAV
Total/NA	Analysis	8082A		1			494113	09/05/17 22:35	JCK	TAL SAV

Client Sample ID: DWF-58 (12-24") — **Lab Sample ID: 680-142732-11**
Date Collected: 08/24/17 10:10 — **Matrix: Solid**
Date Received: 08/31/17 14:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			493919	09/02/17 10:22	EAB	TAL SAV

Client Sample ID: DWF-58 (12-24") — **Lab Sample ID: 680-142732-11**
Date Collected: 08/24/17 10:10 — **Matrix: Solid**
Date Received: 08/31/17 14:22 — **Percent Solids: 86.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.06 g	10 mL	493930	09/05/17 11:26	JAM	TAL SAV
Total/NA	Analysis	8082A		10			494156	09/06/17 15:59	JCK	TAL SAV

Client Sample ID: DWF-59 (36-48") — **Lab Sample ID: 680-142732-12**
Date Collected: 08/22/17 16:10 — **Matrix: Solid**
Date Received: 08/31/17 14:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			493919	09/02/17 10:22	EAB	TAL SAV

Client Sample ID: DWF-59 (36-48") — **Lab Sample ID: 680-142732-12**
Date Collected: 08/22/17 16:10 — **Matrix: Solid**
Date Received: 08/31/17 14:22 — **Percent Solids: 82.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.10 g	10 mL	493930	09/05/17 11:26	JAM	TAL SAV
Total/NA	Analysis	8082A		10			494156	09/06/17 16:14	JCK	TAL SAV

Lab Chronicle

Client: Solutia Inc.
Project/Site: AWWSB

TestAmerica Job ID: 680-142732-1

Client Sample ID: DWF-64 (0-6") — **Lab Sample ID: 680-142732-13**
Date Collected: 08/23/17 14:30 — **Matrix: Solid**
Date Received: 08/31/17 14:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			493919	09/02/17 10:22	EAB	TAL SAV

Client Sample ID: DWF-64 (0-6") — **Lab Sample ID: 680-142732-13**
Date Collected: 08/23/17 14:30 — **Matrix: Solid**
Date Received: 08/31/17 14:22 — **Percent Solids: 87.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.03 g	10 mL	493930	09/05/17 11:26	JAM	TAL SAV
Total/NA	Analysis	8082A		5			494156	09/06/17 16:28	JCK	TAL SAV

Client Sample ID: DWF-58 (12-24")-Y — **Lab Sample ID: 680-142732-14**
Date Collected: 08/24/17 13:20 — **Matrix: Water**
Date Received: 08/31/17 14:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1011 mL	10 mL	493856	09/01/17 17:00	CEW	TAL SAV
Total/NA	Analysis	8082A		1			494048	09/05/17 16:39	JCK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: Solutia Inc.
Project/Site: AWWSB

TestAmerica Job ID: 680-142732-1

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	11-05-17 *
Arizona	State Program	9	AZ808	12-14-17
Arkansas DEQ	State Program	6	88-0692	02-01-18
California	State Program	9	2939	06-30-17 *
Colorado	State Program	8	N/A	12-31-17
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-17
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-17
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-17
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-17
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-17
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-17 *
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-17
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-17
South Carolina	State Program	4	98001	06-30-17 *
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-17
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-17
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-17 *
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Solutia Inc.
Project/Site: AWWSB

TestAmerica Job ID: 680-142732-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Sample Summary

Client: Solutia Inc.
Project/Site: AWWSB

TestAmerica Job ID: 680-142732-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-142732-1	DWF-6 (12-24")	Solid	08/24/17 16:30	08/31/17 14:22
680-142732-2	DWF-23 (6-12")	Solid	08/28/17 10:45	08/31/17 14:22
680-142732-3	DWF-24 (24-36")	Solid	08/22/17 10:20	08/31/17 14:22
680-142732-4	DWF-27 (12-24")	Solid	08/22/17 11:40	08/31/17 14:22
680-142732-5	DWF-30 (24-36")	Solid	08/23/17 10:05	08/31/17 14:22
680-142732-6	DWF-30 (24-36")-X	Solid	08/23/17 10:05	08/31/17 14:22
680-142732-7	DWF-46 (24-36")	Solid	08/22/17 15:25	08/31/17 14:22
680-142732-8	DWF-52 (12-24")	Solid	08/23/17 09:30	08/31/17 14:22
680-142732-9	DWF-56 (0-6")	Solid	08/21/17 10:30	08/31/17 14:22
680-142732-10	DWF-56 (0-6")-X	Solid	08/21/17 10:30	08/31/17 14:22
680-142732-11	DWF-58 (12-24")	Solid	08/24/17 10:10	08/31/17 14:22
680-142732-12	DWF-59 (36-48")	Solid	08/22/17 16:10	08/31/17 14:22
680-142732-13	DWF-64 (0-6")	Solid	08/23/17 14:30	08/31/17 14:22
680-142732-14	DWF-58 (12-24")-Y	Water	08/24/17 13:20	08/31/17 14:22

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912.354.7858 Fax:

Chain of Custody Record

204423

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

Regulatory Program: DW NPDES RCRA Other

TAL-8210 (0713)

Client Contact	Project Manager: M. Place	Site Contact: G. Macolly	Date: 8/30/17	COC No: 1 of 2 COCs
Company Name: Solutia	Tel/Fax:	Lab Contact: M. Kerson	Carrier:	Sampler:
Address:	Analysis Turnaround Time: CALENDAR DAYS / WORKING DAYS			For Lab Use Only: Walk-in Client: Lab Sampling:
City/State/Zip:	TAT if different from Below: 2 weeks, 1 week, 2 days, 1 day			Job / SDG No:
Phone:				
Fax:				
Project Name: HWMU				
Site:				
PO #:				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	PCB 8082	Sample Specific Notes
DWF-6 (12-24")	8/14/17	1630	G	S	1			✓	
DWF-23 (6-12")	8/28/17	1045	G	S	1			✓	
DWF-24 (24-36")	8/22/17	1020	G	S	1			✓	
DWF-27 (12-24")	8/22/17	1140	G	S	1			✓	
DWF-30 (24-36")	8/23/17	1005	G	S	1			✓	
DWF-30 (24-36")-X	8/23/17	1005	G	S	1			✓	
DWF-46 (24-36")	8/22/17	1525	G	S	1			✓	
DWF-52 (12-24")	8/23/17	2430	G	S	2		Y	✓	
DWF-56 (0-6")	8/21/17	1030	G	S	1			✓	
DWF-56 (0-6")-X	8/21/17	1030	G	S	1			✓	
DWF-58 (12-24")	8/24/17	1010	G	S	1			✓	
DWF-59 (36-48")	8/22/17	1610	G	S	1			✓	

680-142732 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Return To Client Disposal By Lab Archive For Months

Special Instructions/QC Requirements & Comments:
5.2 (F) 54°c

Custody Seals Intact: Yes No	Custody Seal No:	Cooler Temp. (°C): Obs'd: Corr'd:	Therm ID No:
Relinquished by:	Company: Genesis Project	Date/Time: 8/31/17 1645	Received by:	Company: 08-31-17	Date/Time: 0920 SA
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912.354.7858 Fax:

Chain of Custody Record

204424

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210 (0713)

Client Contact	Project Manager: M. Price	Site Contact: G. Macelly	Date: 8/30/17	COC No: 2 of 2 COCs
Company Name: Solutia	Tel/Fax:	Lab Contact: M. Kersey	Carrier:	Samples:
Address:	Analysis Turnaround Time: ☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only: Walk-in Client / Lab Sampling
City/State/Zip	☑ TAT if different from Below			
Phone	☐ 2 weeks			Job / SDG No:
Fax	☐ 1 week			
Project Name: AcWSB	☐ 2 days			
Site	☐ 1 day			
PO #				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	PCB 8082	Sample Specific Notes:
DWF-64 (0-6")	8/23/17	1430	G	S	1			✓	
DWF-58 (12-24") - V	8/24/17	1320	G	W	2			✓	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ___ Months

Special Instructions/QC Requirements & Comments:

5.2(C) 5.4°C

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No:	Cooler Temp. (°C): Obs'd	Corr'd	Therm ID No:

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	Genesis Project	8/30/17 1645		8/31/17	0920
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time

Login Sample Receipt Checklist

Client: Solutia Inc.

Job Number: 680-142732-1

Login Number: 142732
List Number: 1
Creator: Banda, Christy S

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Company Name: _____ Project Manager: _____
Project Name: Solutia AWWSB – Dewatering Facility Project Number: _____
Reviewer: Michael Price Validation Date: 10/12/2017
Laboratory: Test America Savannah SDG #:680-143637-1
Analytical Method (type and no.): PCB (8081B/8082A)
Matrix: ☐ Air ☒ Soil/Sed. ☒ Water ☐ Waste ☐ _____
Sample Names: DWF-12 (24-36")

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☒	☐	☐	
b) Sampling team indicated?	☒	☐	☐	
c) Sample location noted?	☒	☐	☐	
d) Sample depth indicated (Soils)?	☒	☐	☐	
e) Sample type indicated (grab/composite)?	☒	☐	☐	
f) Field QC noted?	☒	☐	☐	
g) Field parameters collected (note types)?	☐	☒	☐	
h) Field Calibration within control limits?	☐	☐	☒	
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☒	☐	
j) Does the laboratory narrative indicate deficiencies?	☐	☒	☐	

Note Deficiencies: _____

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☒	☐	☐	
b) Was the COC signed by both field and laboratory personnel?	☒	☐	☐	
c) Were samples received in good condition?	☒	☐	☐	

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☒	☐	☐	
b) Were hold times met for sample analysis?	☒	☐	☐	
c) Were the correct preservatives used?	☒	☐	☐	
d) Was the correct method used?	☒	☐	☐	
e) Were appropriate reporting limits achieved?	☒	☐	☐	
f) Were any sample dilutions noted?	☐	☒	☐	
g) Were any matrix problems noted?	☐	☒	☐	

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☒	☐	
b) Were analytes detected in the field blank(s)?	☐	☐	☒	
c) Were analytes detected in the equipment blank(s)?	☐	☐	☒	
d) Were analytes detected in the trip blank(s)?	☐	☐	☒	

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☒	☐	☐	
b) Were the proper compounds included in the LCS?	☒	☐	☐	
c) Was the LCS accuracy criteria met?	☒	☐	☐	

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?	☐	☒	☐	
b) Were field dup. precision criteria met (note RPD)?	☐	☐	☒	
c) Were lab duplicates analyzed (note original and duplicate samples)?	☐	☒	☐	
d) Were lab dup. precision criteria met (note RPD)?	☐	☐	☒	

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☒	☐	
b) Was the %D within control limits?	☐	☐	☒	

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met?	☒	☐	☐	Batch specific MS/MSD
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	
b) Was MSD accuracy criteria met?	☒	☐	☐	
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	
c) Were MS/MSD precision criteria met?	☒	☐	☐	

Surrogate Spikes	YES	NO	NA	COMMENTS
a) Were surrogate recoveries within control limits?	☒	☒	☐	See below
b) Were surrogate recoveries not calculated due to dilutions?	☐	☒	☐	

Comments/Notes:

Sample DWF-12 (24-36") had an acceptable DCB recovery with 1268 present, TCX recoveries acceptable, no data affected.

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason
None				

Signature: _____ Date: 10/12/2017

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-143637-1
Client Project/Site: Anniston

For:
Solutia Inc.
702 Clydesdale Ave.
Anniston, Alabama 36201-5328

Attn: Ms. Gayle Macolly

Authorized for release by:
10/4/2017 11:47:42 AM

Michele Kersey, Project Manager II
(912)354-7858
michele.kersey@testamericainc.com

Job ID: 680-143637-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Solutia Inc.

Project: Anniston

Report Number: 680-143637-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 09/28/2017; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.8 C.

PESTICIDES AND PCBS

Sample DWF-12 (24-36") (680-143637-1) was analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 10/02/2017 and analyzed on 10/03/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE

Sample DWF-12 (24-36") (680-143637-1) was analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 09/29/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: Solutia Inc.
Project/Site: Anniston

TestAmerica Job ID: 680-143637-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-143637-1	DWF-12 (24-36")	Solid	08/24/17 14:15	09/28/17 09:20

Method Summary

Client: Solutia Inc.
Project/Site: Anniston

TestAmerica Job ID: 680-143637-1

Method	Method Description	Protocol	Laboratory
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: Solutia Inc.
Project/Site: Anniston

TestAmerica Job ID: 680-143637-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: Solutia Inc.
Project/Site: Anniston

TestAmerica Job ID: 680-143637-1

Client Sample ID: DWF-12 (24-36")
Date Collected: 08/24/17 14:15
Date Received: 09/28/17 09:20

Lab Sample ID: 680-143637-1
Matrix: Solid
Percent Solids: 63.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	50	U	50		ug/Kg	☼	10/02/17 09:52	10/03/17 17:07	1
PCB-1221	50	U	50		ug/Kg	☼	10/02/17 09:52	10/03/17 17:07	1
PCB-1232	50	U	50		ug/Kg	☼	10/02/17 09:52	10/03/17 17:07	1
PCB-1242	50	U	50		ug/Kg	☼	10/02/17 09:52	10/03/17 17:07	1
PCB-1248	50	U	50		ug/Kg	☼	10/02/17 09:52	10/03/17 17:07	1
PCB-1254	**160**		50		ug/Kg	☼	10/02/17 09:52	10/03/17 17:07	1
PCB-1260	**190**		50		ug/Kg	☼	10/02/17 09:52	10/03/17 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*54 - 133*	*10/02/17 09:52*	*10/03/17 17:07*	*1*
Tetrachloro-m-xylene	*80*		*46 - 130*	*10/02/17 09:52*	*10/03/17 17:07*	*1*

Client: Solutia Inc.
Project/Site: Anniston

TestAmerica Job ID: 680-143637-1

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

Lab Sample ID: MB 680-496835/10-A
Matrix: Solid
Analysis Batch: 496821

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 496835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	31	U	31		ug/Kg		10/02/17 09:52	10/02/17 16:01	1
PCB-1221	31	U	31		ug/Kg		10/02/17 09:52	10/02/17 16:01	1
PCB-1232	31	U	31		ug/Kg		10/02/17 09:52	10/02/17 16:01	1
PCB-1242	31	U	31		ug/Kg		10/02/17 09:52	10/02/17 16:01	1
PCB-1248	31	U	31		ug/Kg		10/02/17 09:52	10/02/17 16:01	1
PCB-1254	31	U	31		ug/Kg		10/02/17 09:52	10/02/17 16:01	1
PCB-1260	31	U	31		ug/Kg		10/02/17 09:52	10/02/17 16:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*110*		*54 - 133*	*10/02/17 09:52*	*10/02/17 16:01*	*1*
Tetrachloro-m-xylene	*89*		*46 - 130*	*10/02/17 09:52*	*10/02/17 16:01*	*1*

Lab Sample ID: LCS 680-496835/11-A
Matrix: Solid
Analysis Batch: 496821

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 496835

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			394	381		ug/Kg		97	43 - 130		
PCB-1260			394	357		ug/Kg		91	45 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*111*		*54 - 133*
Tetrachloro-m-xylene	*91*		*46 - 130*

QC Association Summary

Client: Solutia Inc.
Project/Site: Anniston

TestAmerica Job ID: 680-143637-1

GC Semi VOA

Analysis Batch: 496821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-496835/10-A	Method Blank	Total/NA	Solid	8081B/8082A	496835
LCS 680-496835/11-A	Lab Control Sample	Total/NA	Solid	8081B/8082A	496835

Prep Batch: 496835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143637-1	DWF-12 (24-36")	Total/NA	Solid	3546	
MB 680-496835/10-A	Method Blank	Total/NA	Solid	3546	
LCS 680-496835/11-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 497008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143637-1	DWF-12 (24-36")	Total/NA	Solid	8081B/8082A	496835

General Chemistry

Analysis Batch: 496646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143637-1	DWF-12 (24-36")	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Solutia Inc.
Project/Site: Anniston

TestAmerica Job ID: 680-143637-1

Client Sample ID: DWF-12 (24-36")

Lab Sample ID: 680-143637-1

Date Collected: 08/24/17 14:15

Matrix: Solid

Date Received: 09/28/17 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	496646	09/29/17 11:45	EAB	TAL SAV

Client Sample ID: DWF-12 (24-36")

Lab Sample ID: 680-143637-1

Date Collected: 08/24/17 14:15

Matrix: Solid

Date Received: 09/28/17 09:20

Percent Solids: 63.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			496835	10/02/17 09:52	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497008	10/03/17 17:07	JCK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912.354.7858 Fax:

Chain of Custody Record

204419

681-Atlanta

681-Atlanta

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Mike Price	Site Contact: Gayle Macolley	Date: 9/27/17	COC No:
Company Name: Genesis Project	Tel/Fax:	Lab Contact:	Carrier:	1 of 1 COCs
Address: 1258 Concord Rd.	Analysis Turnaround Time			Sampler:
City/State/Zip: Smyrna, GA 30080	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Solutia	✓ 1 week			
Site: Anniston	☐ 2 days			Job / SDG No.:
PO# 43447639	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	PCB 8082	Sample Specific Notes:
DWF-12 (24-36")	8/24/17	1415	G	S	1	N	N	X	

680-143637 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Genesis Project	9/27/17 1130			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time: 9/28/17 920
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: MTJ	Company: TAS AV	Date/Time: 2.5°C (CF) 2.8°C

Login Sample Receipt Checklist

Client: Solutia Inc.

Job Number: 680-143637-1

Login Number: 143637

List Source: TestAmerica Savannah

List Number: 1

Creator: Tyler, Matthew M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Solutia Inc.
Project/Site: Anniston

TestAmerica Job ID: 680-143637-1

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	11-05-17 *
Arizona	State Program	9	AZ808	12-14-17
Arkansas DEQ	State Program	6	88-0692	02-01-18
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-17
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-17
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-17
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-17
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-17
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-17
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-17 *
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-17
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-17
South Carolina	State Program	4	98001	06-30-17 *
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-17
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-17
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.