
WEAVER

BOOS

CONSULTANTS

May 5, 2011
Project No. 0058-373-01

U.S. EPA, Region 5
Ralph Metcalfe Building
77 West Jackson Blvd.
Chicago, IL 60604-3590
Attn: Mr. Peter Ramanauska

**RE: Self-Implementing Cleanup and Disposal of PCB Remediation Waste
Notification and Certification
Former Studebaker Foundry
1100 Prairie Avenue
South Bend, Indiana**

Dear Mr. Ramanauska:

On behalf of the Property Owner, the South Bend Redevelopment Commission, Weaver Boos Consultants, LLC (Weaver Boos) is providing this written notification and certification of a proposed cleanup and disposal of PCB remediation waste, in accordance with 40 CFR Part 761 Section 761.61.

The South Bend Redevelopment Commission is demolishing the former Studebaker Foundry Building for future industrial manufacturing development. Prior to demolition, the concrete floor slab associated with three interior rooms that formerly were occupied by electrical transformers was screened for the presence of polychlorinated biphenyls (PCBs) to determine disposal options for the material including possible reuse on-site. Varying concentrations of PCB-1260 were identified in all of the samples collected. The project location, building layout, and sample locations are illustrated in the attached **Figures**. Sample concentrations are tabulated in the attached **Table**.

Presently, the former Studebaker Foundry, in addition to the adjoining properties to the north and east, has been enrolled into the Indiana Voluntary Remediation Program (VRP) under the 1996 VRP Guidance. The VRP numbers are 6020803 (soils) and 6030904 (groundwater). At the request of the Property Owner and the City of South Bend, Weaver Boos prepared a Remediation Work Plan (RWP) to address the potential environmental conditions encountered at the Site (as a subset of VRP #6020803) during the demolition project. The RWP, dated April 27, 2010, was prepared in general agreement with the requirements of IDEM's Risk Integrated System of Closure (RISC) User's Guide Section 4.7.4 and Appendix 1.2 (IDEM, February 15, 2001,

updated September 9, 2009) and submitted to the Indiana Department of Environmental Management.

Section 761.61 (a) (3) (A) – Nature of contamination

Please see attached photographs for following discussion. Two adjoining former transformer rooms areas (Areas A and B) were identified below the ground floor of the former foundry connected to a series of tunnels that transverse the area below the building. Area A is approximately 153 square feet in area. Area B is approximately 1,344 square feet in area. The third transformer room (Area C) was identified on the ground floor near the southwest corner of the building. Area C is approximately 752 square feet in area. The actual transformers have long since been removed. Weaver Boos observed oil-staining of the floor surface in Areas B and C.

Section 761.61 (a) (3) (B) – Sample Collection and Analyses Summary

Due to the historical usage of the rooms, the floor staining, and since the building is proposed to be demolished, Weaver Boos screened the floor slab in all three areas for the presence of PCBs to determine disposal options. Weaver Boos cored approximately 4-5 inches into the upper floor at multiple locations across each of the three areas (see **Figure 3 and 4**). Each discrete core sample (approximately 8 oz.) was submitted to Test America for PCB analysis using EPA Method 8082. The results of the analyses are tabulated in **Table 1**. Since reuse on-site was a possible disposal option for the concrete the results are compared to the 1996 VRF Tier II nonresidential PCB cleanup goal, the current Indiana RISC industrial default PCB cleanup goal, and the 40 CFR Part 761.61 PCB cleanup goal for low occupancy. In addition, the PCB concentrations were evaluated to determine the regulatory status should the concrete need to be disposed off-site.

Three discrete samples were collected from Area A. The results of analyses indicated PCB (PCB-1260) concentrations ranging from 8.6 parts per million (ppm) to 12 ppm. All sample concentrations (100%) exceeded the 1996 VRF Tier II nonresidential cleanup goal and current RISC industrial default cleanup goals. None of the sample PCB concentrations (0%) were at or above 50 ppm

Seventeen discrete samples were collected from Area B. The results of the analyses indicated PCB (PCB-1260) concentrations ranging from 2.4 to 2500 ppm. Sixteen of seventeen samples (94%) contained PCB concentrations that exceeded the 1996 VRF Tier II nonresidential cleanup goal and current RISC industrial default cleanup goal. Eleven of seventeen samples (65%) contained sample PCB concentrations that were at or above 50 ppm.

Ten discrete samples were collected from Area C. The results of the analyses indicated PCB (PCB-1260) concentrations ranging from 31 to 12,000 ppm. All ten samples (100%) contained PCB concentrations that exceed the 1996 VRF Tier II nonresidential cleanup goal and current RISC industrial cleanup goals. Eight of ten samples (80%) contained sample PCB concentrations that were at or above 50 ppm.

Decontamination consisted of a wash using Alconox/Liquinox detergent, followed by a triple rinse using commercially prepared distilled water. Samples collected for PCB analyses were placed in 8-ounce glass sample containers. The sample containers were tightly capped, labeled, and logged onto chain-of-custody forms used to track the samples from the point of collection to receipt by the laboratory. Once logged onto the chain-of-custody, the samples were placed in a cooler and surrounded with ice to maintain a temperature of approximately 4°C during transportation to the laboratory.

Section 761.61 (a) (3) (C) – Location and Extent of Contaminated Area

The location and extent of the identified contaminated area are shown on **Figures 2-4**. The extent of PCB-impacts is widespread across the entire floor slab of all three areas. Based on the size of each area and approximate thickness of concrete (6 inches) the amount of contaminated concrete is 3 cubic yards (Area A), 25 cubic yards (Area B) and 14 cubic yards (Area C).

Section 761.61 (a) (3) (D) – Cleanup Plan

The Property Owner has contracted with Dore & Associates to demolish the former foundry building. The site will be cleared and then marketed by the Property Owner for future industrial/manufacturing redevelopment. Dore & Associates will be responsible for the transportation and disposal of concrete demolition material. Weaver Boos will be responsible for overseeing the overall cleanup. Disposal options, dependent upon the results of waste characterization, include reuse on-site, disposal of material at a permitted RCRA Subtitle D Landfill, or disposal of material at a permitted RCRA Subtitle C hazardous waste treatment, storage, or disposal (TSD) facility.

According to Part 761 the cleanup level for bulk PCB remediation waste in low occupancy areas is 25 ppm. However, the Indiana 1996 VRF Tier II nonresidential cleanup goals or the current Indiana RISC industrial default cleanup goals are more restrictive (see **Table 1**) and will govern the cleanup plan. Transformer room floor concrete that contains PCB sample concentrations that are less than the Indiana 1996 VRF Tier II nonresidential cleanup goal will be reused on-site. Transformer room floor concrete that contains PCB sample concentrations that exceeds the Indiana 1996 VRF Tier II nonresidential cleanup goals and is below 50 ppm will be disposed of

at a licensed RCRA Subtitle D disposal facility subject to landfill approval. Transformer room floor concrete that contains PCB sample concentrations that equal or exceeds 50 ppm will be disposed of at a licensed RCRA Subtitle C hazardous waste landfill or state authorized PCB disposal facility subject to facility approval.

Based on the results of the PCB analyses, the entire floor slab associated with Area A will not be reused on or off-site and will be disposed of at a permitted RCRA Subtitle D landfill. Based on the results of the PCB analyses, the floor slab associated with Area B, minus the southwest corner (delineated on **Figure 3**) will be disposed of at a permitted RCRA Subtitle C hazardous waste landfill or state authorized PCB disposal facility. The remaining area of Area B will be disposed of at a permitted RCRA Subtitle D landfill. The entire floor slab associated with Area C will be disposed of at a permitted RCRA Subtitle C hazardous waste landfill or state authorized PCB disposal facility.

A safety plan will be developed to address possible worker exposure to the PCB-impacted material. The safety plan will be consistent with NIOSH Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities, OSHA regulations (particularly in 29 CFR 1910 and 1926), state and local regulations, and other USEPA guidance. To verify the cleanup of the material sampling and analysis will be conducted in accordance with subpart O of Part 761. It is anticipated that once the concrete floor slabs from all three areas are removed the resultant floor of the excavation will consist of fine sand. As a result, a minimum of three samples will be collected from the floor beneath each transformer room area and tested for PCBs. It is anticipated that the cleanup should be completed in one-two days. Laboratory results should be received two weeks after the removal of the waste material. If the verification results are less than 7.53 ppm (Indiana 1996 Tier II nonresidential cleanup goals for subsurface soils) then no further remediation activity will occur. Any resultant excavation will be backfilled with compacted structural inert fill.

In the event that unanticipated higher concentrations or wider distributions of PCB waste is found then additional excavation and additional sampling verification is proposed. Other alternatives may be considered including engineering control measures should additional excavation not be feasible.

Section 761.61 (a) (3) (E) - Statement of Certification

The Property Owner where the cleanup site is located, South Bend Redevelopment Commission, and party conducting the cleanup, Weaver Boos Consultants, LLC, hereby attest and certify that all sampling plans, sample collection procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the cleanup site, are on file at following location, and is available for EPA inspection.

South Bend Redevelopment Commission
227 West Jefferson Blvd., Suite 1200
South Bend, Indiana 46601

By:

Ronald E. Olin for
Name - Ann Kolata
Title Director, Economic
Development
Date May 9, 2011

By: Weaver Boos Consultants, LLC

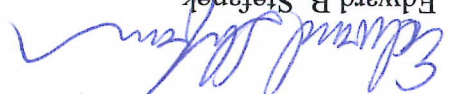
Edward B. Stefanek
Name - Edward B Stefanek
Title Senior Project Manager
Date May 5, 2011

In accordance with the federal regulations, this notification and certification is being submitted at least 30 days prior to the date the cleanup is to begin. On behalf of the South Bend Redevelopment Commission, Weaver Boos understands that the USEPA may respond in writing approving the self-implementing cleanup, disapproving the self-implementing cleanup, or requiring additional information. If the USEPA does not respond within 30 calendar days of receiving the notice, Weaver Boos will assume that the notification is complete and acceptable and proceed with the cleanup.

If you have any questions feel free to contact me at (574-271-3447) or by email at estefanek@weaverboos.com.

Very truly yours,

Weaver Boos Consultants, LLC


Edward B. Stefanek
Project Manager

Enclosure: Attachment 1 – Figures and Table

Attachment 2 - Photographs

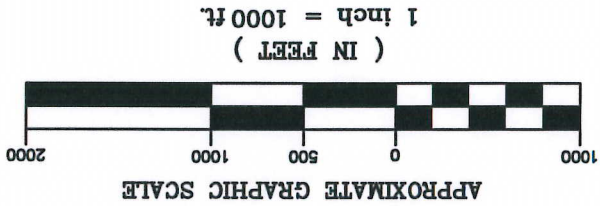
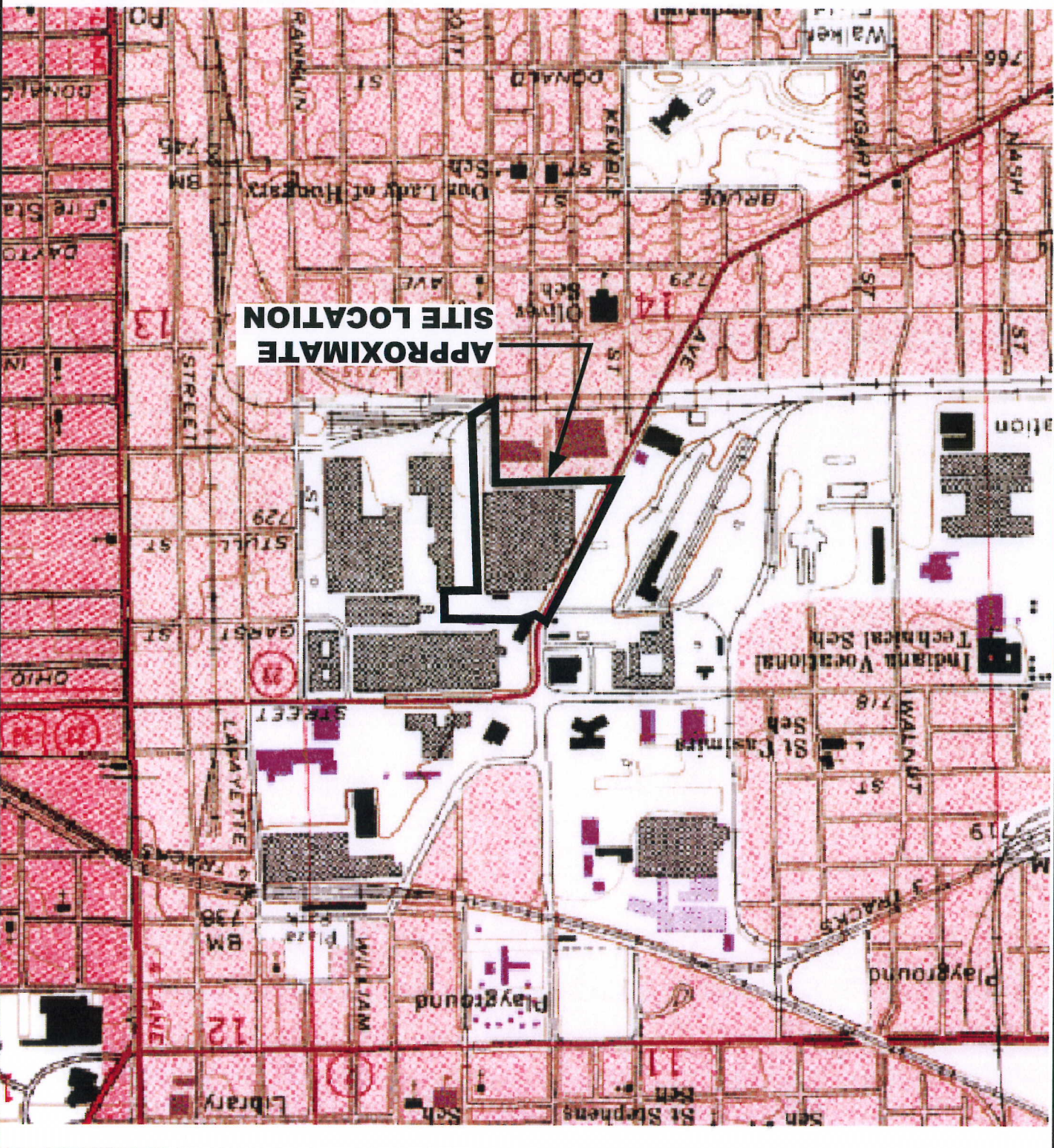
Attachment 3 – Laboratory Analytical Reports

cc:

Ms. Ann Kolata, City of South Bend
Mr. George Ritchotte, IDEM

ATTACHMENT 1 - FIGURES AND TABLE

WEAVER BOOS CONSULTANTS 4085 MECHAN BEER COURT SOUTH BEND, IN 46628 (574) 271-3447	DRAWN BY: RMD DATE: 1/11/2010 CAD: SITELOC.DWG	REVIEWED BY: ES CAD: SITELOC.DWG
	FILE: 0058-373-01 FIGURE 1	



SITE LOCATION MAP
 FORMER STUDEBAKER FOUNDRY
 1100 PRAIRIE AVENUE
 SOUTH BEND, IN

SITE LAYOUT

FORMER STUDEBAKER FOUNDRY
 1100 PRAIRIE AVENUE
 SOUTH BEND, IN

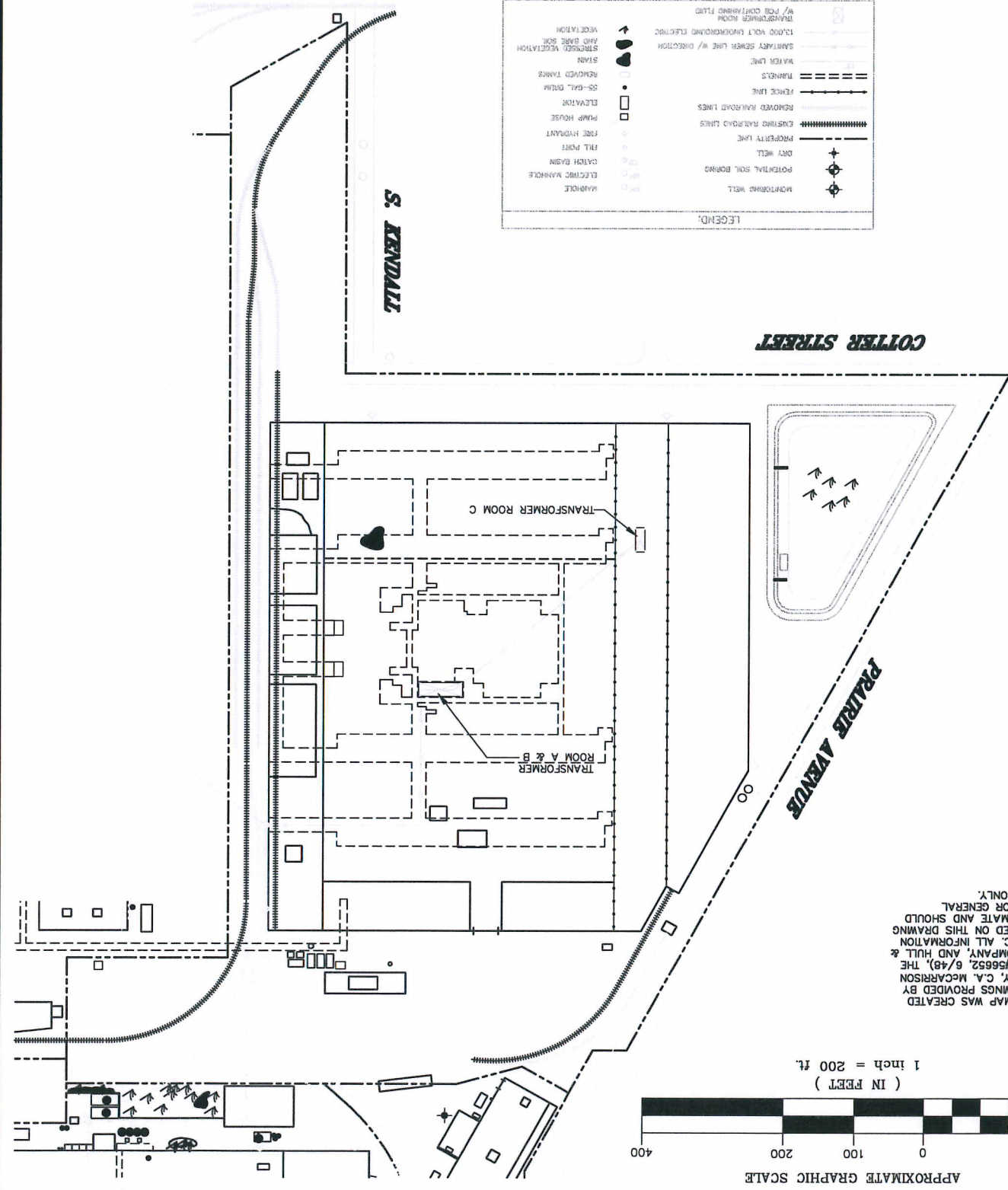
Weaver Boos Consultants
 4085 MEGHAN BEELER COURT
 SOUTH BEND, IN 46628
 (574) 271-3447

DRAWN BY: RMD	REVIEWED BY: ES
DATE: 4/27/11	CAD: FIGS.DWG
FILE: 0058-373-01	

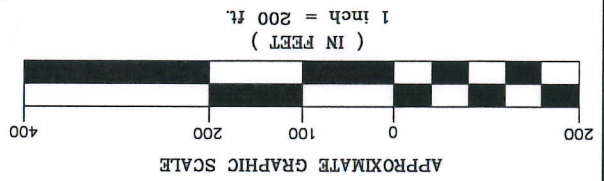


LEGEND:

<ul style="list-style-type: none"> MANHOLE ELECTRICAL MANHOLE CATCH BASIN FILL POINT FIRE HYDRANT PUMP HOUSE ELEVATION 55-GAL DRUM REMOVED TANKS STAIN STRIPPED VEGETATION AND BARE SOIL VEGETATION 	<ul style="list-style-type: none"> MONITORING WELL POTENTIAL SOIL BORING DRY WELL PROPERTY LINE EXISTING RAILROAD LINES REMOVED RAILROAD LINES FENCE LINE TANKS WATER LINE SANITARY SEWER LINE W/ DIRECTION 12,000 VOLT UNDERGROUND ELECTRIC TRANSFORMER ROOM W/ POB CONTAINING FLUID
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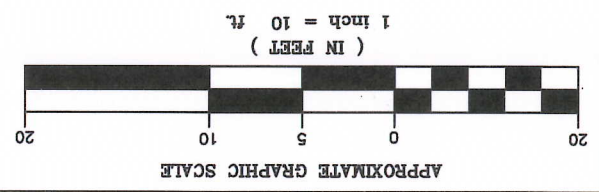
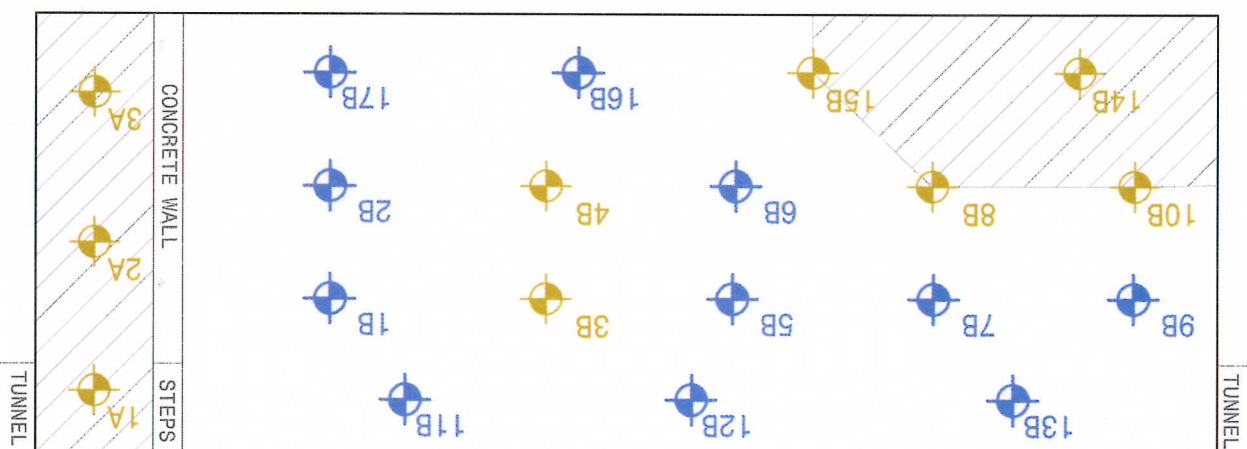
NOTE
 THIS SITE MAP WAS CREATED
 FROM DRAWINGS PROVIDED BY
 C. RICHLEY, C.A. MCCARRISON
 (DRAWING #56652, 6/48), THE
 SIDWELL COMPANY, AND HULL &
 ASSOC., INC. ALL INFORMATION
 REPRESENTED ON THIS DRAWING
 IS APPROXIMATE AND SHOULD
 BE USED FOR GENERAL
 PURPOSES ONLY.



TRANSFORMER ROOMS A & B SAMPLE LOCATIONS FORMER STUDEBAKER FOUNDRY 1100 PRAIRIE AVENUE SOUTH BEND, IN Weaver Boos Consultants 4085 MEGHAN BEELER COURT SOUTH BEND, IN 46628 (574) 271-3447	DRAWN BY: RMD DATE: 5/2/11 FILE: 0058-373-01	REVIEWED BY: ES CAD: FIGS.DWG
	FIGURE 3	






 CONCRETE TO BE DISPOSED AT RCRA SUBTITLE D
 LANDFILL SUBJECT TO LANDFILL APPROVAL

3B
 DENOTE PCB CONCENTRATIONS > 1PPM BUT ≤ 50PPM

13B
 DENOTE PCB CONCENTRATIONS > 50PPM
LEGEND:



REVIEWED BY: ES		CAD: FIGS.DWG
DRAWN BY: RMD		DATE: 5/2/11
FILE: 0058-373-01		FIGURE 4
Weaver Boos Consultants 4085 MEGHAN BEELER COURT SOUTH BEND, IN 46628 (574) 271-3447		
TRANSFORMER ROOM C SAMPLE LOCATIONS FORMER STUDEBAKER FOUNDRY 1100 PRAIRIE AVENUE SOUTH BEND, IN		



LEGEND:

 DENOTE PCB CONCENTRATIONS > 50PPM
 DENOTE PCB CONCENTRATIONS > 1PPM BUT ≤ 50PPM

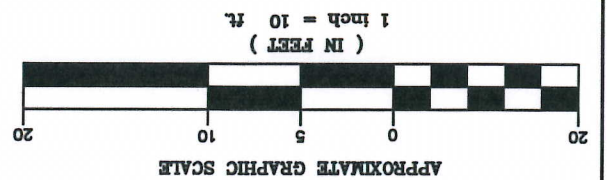
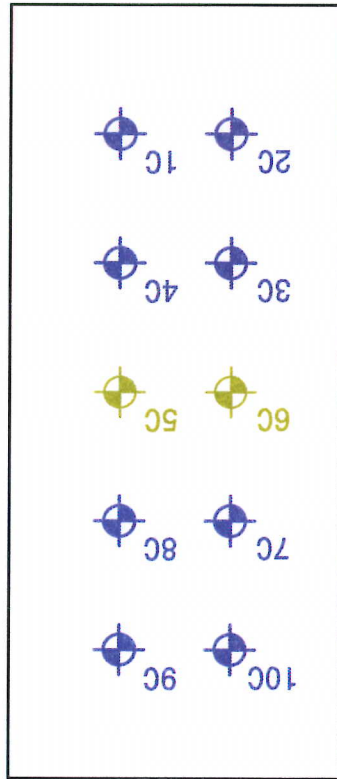


TABLE 1
 PCB CONCENTRATIONS/CONCRETE FLOOR SLAB
 TRANSFORMER ROOM AREAS A-C
 FORMER STUDEBAKER FOUNDRY DEMOLITION
 SOUTH BEND, INDIANA

Sample ID	Concentration (mg/kg)	1996 VRP TIER II NONRESIDENTIAL CLEAN UP GOALS		CURRENT RISC INDUSTRIAL DEFAULT CLEANUP GOALS	Low Occupancy Areas (mg/kg)
		Surface Soil (mg/kg)	Subsurface Soils (mg/kg)		
AREA A					
1A	12	4.23	7.53	5.3	<25
2A	12	4.23	7.53	5.3	<25
3A	8.6	4.23	7.53	5.3	<25
AREA B					
1B	51	4.23	7.53	5.3	<25
2B	160	4.23	7.53	5.3	<25
3B	33	4.23	7.53	5.3	<25
4B	28	4.23	7.53	5.3	<25
5B	130	4.23	7.53	5.3	<25
6B	120	4.23	7.53	5.3	<25
7B	82	4.23	7.53	5.3	<25
8B	25	4.23	7.53	5.3	<25
9B	1900	4.23	7.53	5.3	<25
10B	2.4	4.23	7.53	5.3	<25
11B	980	4.23	7.53	5.3	<25
12B	170	4.23	7.53	5.3	<25
13B	2500	4.23	7.53	5.3	<25
14B	40	4.23	7.53	5.3	<25
15B	8.5	4.23	7.53	5.3	<25
16B	440	4.23	7.53	5.3	<25
17B	150	4.23	7.53	5.3	<25
AREA C					
1C	12000	4.23	7.53	5.3	<25
2C	3400	4.23	7.53	5.3	<25
3C	200	4.23	7.53	5.3	<25
4C	6100	4.23	7.53	5.3	<25
5C	44	4.23	7.53	5.3	<25
6C	31	4.23	7.53	5.3	<25
7C	570	4.23	7.53	5.3	<25
8C	530	4.23	7.53	5.3	<25
9C	240	4.23	7.53	5.3	<25
10C	2100	4.23	7.53	5.3	<25

40 CFR Part 761.61 cleanup level in high occupancy areas is ≤ 1 ppm
 The current RISC residential default cleanup goal is 1.8 ppm
 PCB Waste Concentration ≥ 50 ppm shall be disposed in a hazardous waste disposal facility or state-approved PCB disposal facility.
 PCB Waste Concentration between < 50 ppm shall be disposed in a non-hazardous waste disposal facility upon approval from facility.

ATTACHMENT 2 – PHOTOGRAPHS

Photolog – Former Transformer Rooms Areas A, B, and C
1100 Prairie Avenue
South Bend, Indiana

May 4, 2011



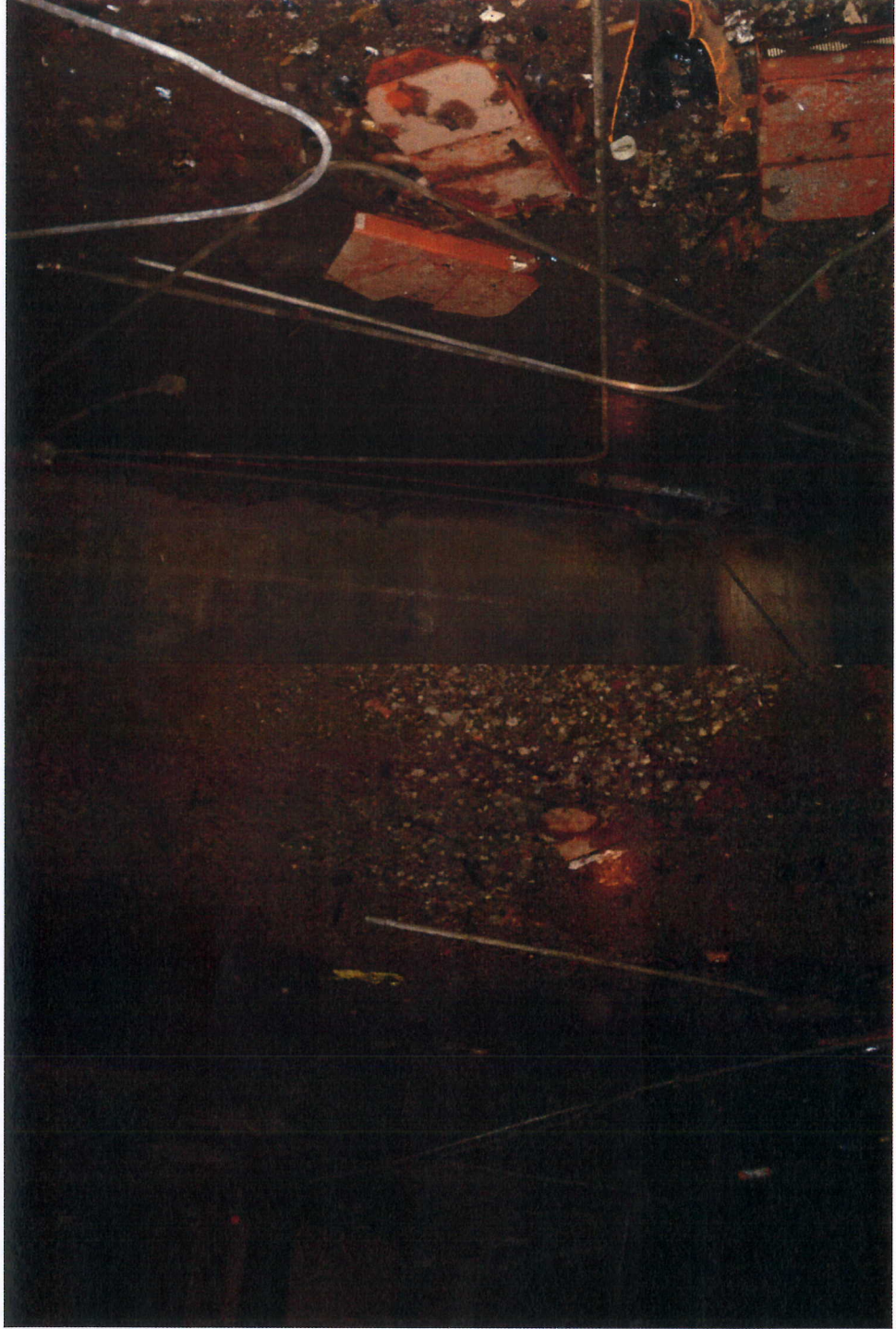
Area A



Area B

Photolog – Former Transformer Rooms Areas A, B, and C
1100 Prairie Avenue
Former Studebaker Foundry
South Bend, Indiana

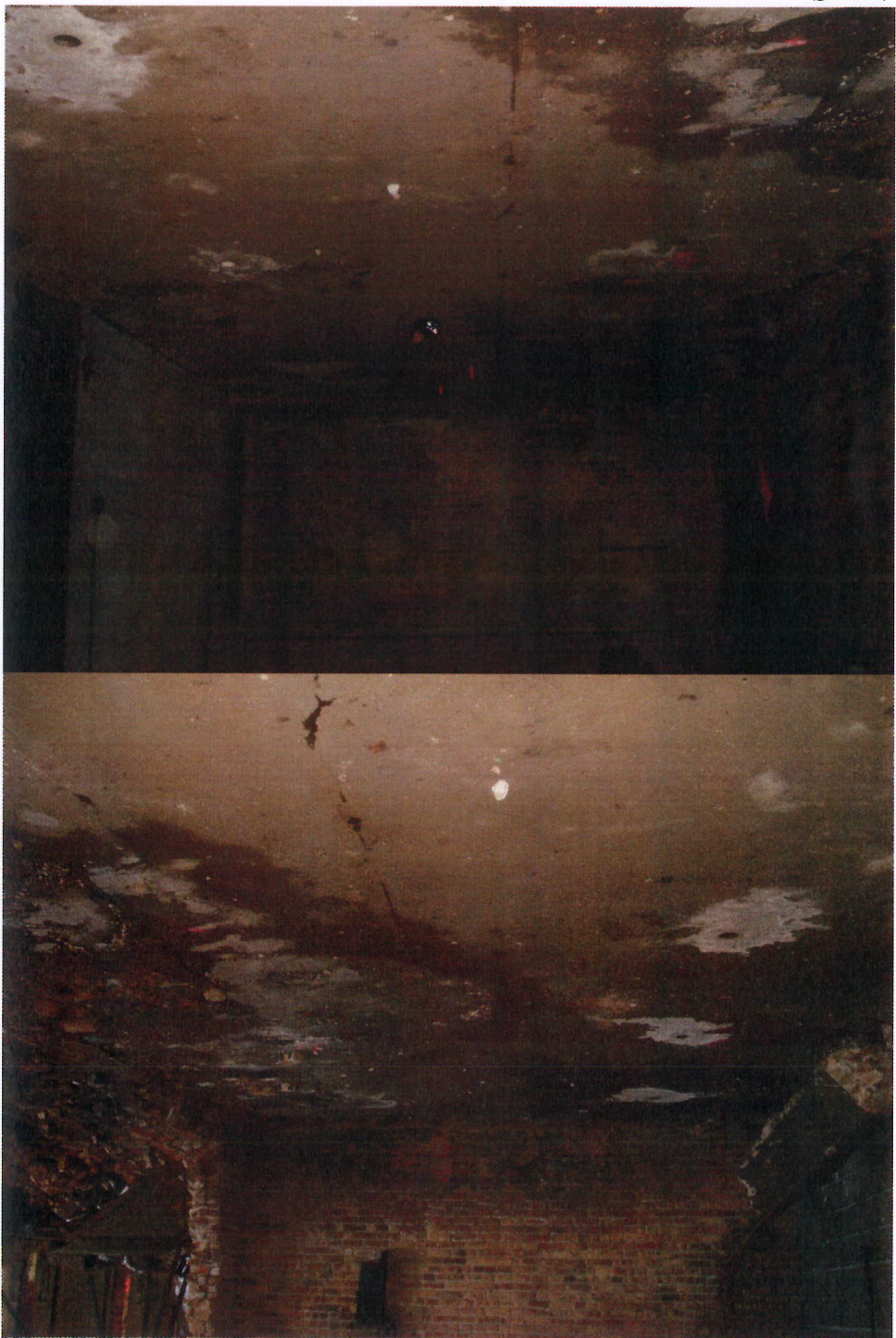
May 4, 2011



Area B

Photolog – Former Transformer Rooms Areas A, B, and C
1100 Prairie Avenue
Former Studebaker Foundry
South Bend, Indiana

May 4, 2011



Area C

Photolog - Former Transformer Rooms Areas A, B, and C
Former Studebaker Foundry
1100 Prairie Avenue
South Bend, Indiana

May 4, 2011

ATTACHMENT 3 – LABORATORY ANALYTICAL REPORTS

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Valparaiso

2400 Cumberland Drive

Valparaiso, IN 46383

Tel: (219)464-2389

TestAmerica Job ID: 510-64148-1

Client Project/Site: South Bend Former Studemaker Foundry

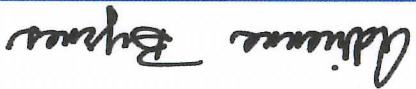
For:

Weaver Boos Consultants LLC

4085 Meghan Beeler Court

South Bend, Indiana 46628

Attn: Ed Stefanek



Authorized for release by:

04/21/2011 05:40:11 PM

Adrienne Byrnes

Project Manager I

adrienne.byrnes@testamericainc.com

Designee for

Robin Kintz

Project Manager I

robinm.kintz@testamericainc.com

LINKS

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results through
TotalAccess

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Ask The Expert

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www.testamericainc.com



Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAP requirements for accredited parameters, 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.

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34	Chain of Custody
37	Sample Receipt Checklist



Qualifier Definition/Glossary

Client: Weaver Boos Consultants LLC

Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-64148-1

Qualifiers

GC Semi VOA

Qualifier

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
E	Result exceeded calibration range.
F	MS or MSD exceeds the control limits.
F	RPD of the MS and MSD exceeds the 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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.



Case Narrative

Client: Weaver Boos Consultants LLC
Project/Site: South Bend Former Studebaker Foundry
TestAmerica Job ID: 510-64148-1

Job ID: 510-64148-1

Laboratory: TestAmerica Valparaiso

Narrative

Job Narrative
510-64148-1

Comments
No additional comments.

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

GC Semi VOA
Method(s) 8082: The following samples required two sulfuric acid clean-ups to reduce matrix interferences: 10B (510-64148-13), 1A (510-64148-1), 1B (510-64148-4), 2A (510-64148-2), 3A (510-64148-3).
Method(s) 8082: The following samples required several mercury clean-ups to reduce matrix interferences caused by sulfur: 1A (510-64148-1), 1B (510-64148-4), 2A (510-64148-2), 3A (510-64148-3).
Method(s) 8082: The following samples were diluted due to the abundance of target analytes: 10B (510-64148-13), 1A (510-64148-1), 1B (510-64148-4), 2A (510-64148-2), 3A (510-64148-3). Elevated reporting limits (RLs) are provided.

Method(s) 8082: The following samples required a mercury clean-up to reduce matrix interferences caused by sulfur: 10B (510-64148-13).
Method(s) 8082: The following samples required several mercury clean-ups to reduce matrix interferences caused by sulfur: 1A (510-64148-1), 1B (510-64148-4), 2A (510-64148-2), 3A (510-64148-3). Elevated reporting limits (RLs) are provided.

Method(s) 8082: Due to the level of dilution required for the following samples, surrogate recoveries are not reported: 10B (510-64148-13), 1A (510-64148-1), 1B (510-64148-4), 2A (510-64148-2), 3A (510-64148-3).
Method(s) 8082: The following samples required two sulfuric acid clean-ups to reduce matrix interferences: 11B (510-64148-14), 12B (510-64148-15), 13B (510-64148-16), 14B (510-64148-17), 15B (510-64148-18), 16B (510-64148-19), 17B (510-64148-20), 1C (510-64148-21), 2C (510-64148-22), 3C (510-64148-23), 4C (510-64148-24), 5C (510-64148-25), 6C (510-64148-26), 9C (510-64148-29).
Method(s) 8082: The following samples were diluted due to the abundance of target analytes: 11B (510-64148-14), 12B (510-64148-15), 13B (510-64148-16), 14B (510-64148-17), 15B (510-64148-18), 16B (510-64148-19), 17B (510-64148-20), 1C (510-64148-21), 2C (510-64148-22), 3C (510-64148-23), 4C (510-64148-24), 5C (510-64148-25), 6C (510-64148-26), 9C (510-64148-29). Elevated reporting limits (RLs) are provided.

Method(s) 8082: The following samples required several mercury clean-ups to reduce matrix interferences caused by sulfur: 11B (510-64148-14), 12B (510-64148-15), 13B (510-64148-16), 14B (510-64148-17), 15B (510-64148-18), 16B (510-64148-19), 17B (510-64148-20), 1C (510-64148-21), 2C (510-64148-22), 3C (510-64148-23), 4C (510-64148-24), 5C (510-64148-25), 6C (510-64148-26), 9C (510-64148-29). Elevated reporting limits (RLs) are provided.
Method(s) 8082: The following samples required a mercury clean-up to reduce matrix interferences caused by sulfur: 12B (510-64148-15), 13B (510-64148-16), 14B (510-64148-17), 15B (510-64148-18), 16B (510-64148-19), 17B (510-64148-20), 1C (510-64148-21), 2C (510-64148-22), 3C (510-64148-23), 4C (510-64148-24), 5C (510-64148-25), 6C (510-64148-26), 9C (510-64148-29). Elevated reporting limits (RLs) are provided.

Method(s) 8082: The following samples required several sulfuric acid clean-ups to reduce matrix interferences: 2C (510-64148-22), 5C (510-64148-25).
Method(s) 8082: Due to the high concentration of PCB, the matrix spike / matrix spike duplicate (MS/MSD) for batch 79155 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.
Method(s) 8082: The following samples required several sulfuric acid clean-ups to reduce matrix interferences: 2C (510-64148-22), 5C (510-64148-25).
Method(s) 8082: Due to the level of dilution required for the following samples, surrogate recoveries are not reported: (510-64148-17 MS), (510-64148-17 MSD), 14B (510-64148-17 MSD), 14B (510-64148-17), 15B (510-64148-18), 16B (510-64148-19), 17B (510-64148-20), 1C (510-64148-21), 2C (510-64148-22), 3C (510-64148-23), 4C (510-64148-24), 5C (510-64148-25), 6C (510-64148-26), 9C (510-64148-29).
Method(s) 8082: Due to the high concentration of PCB, the matrix spike / matrix spike duplicate (MS/MSD) for batch 79155 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 8082: The following samples required several sulfuric acid clean-ups to reduce matrix interferences: 2C (510-64148-22), 5C (510-64148-25).

Case Narrative

TestAmerica Job ID: 510-64148-1

Client: Weaver Boos Consultants LLC
Project/Site: South Bend Former Studebaker Foundry

Job ID: 510-64148-1 (Continued)

Laboratory: TestAmerica Valparaiso (Continued)

(510-64148-25), 9C (510-64148-29).

Method(s) 8082: The following samples required two sulfuric acid clean-ups to reduce matrix interferences: (510-64148-17 MS), (510-64148-17 MSD), 14B (510-64148-17), 15B (510-64148-18), 16B (510-64148-19), 17B (510-64148-20), 1C (510-64148-21), 3C (510-64148-23), 4C (510-64148-23), 4C (510-64148-24), 6C (510-64148-26), 9C (510-64148-29).

Method(s) 8082: The following samples required several mercury clean-ups to reduce matrix interferences caused by sulfur: 16B (510-64148-19), 17B (510-64148-20).

Method(s) 8082: The following samples required a mercury clean-up to reduce matrix interferences caused by sulfur: (510-64148-17 MS), (510-64148-17 MSD), 14B (510-64148-17), 15B (510-64148-18), 1C (510-64148-21), 2C (510-64148-22), 3C (510-64148-23), 4C (510-64148-24), 5C (510-64148-25), 6C (510-64148-26), 9C (510-64148-29).

Method(s) 8082: The following samples required two sulfuric acid clean-ups to reduce matrix interferences: 10C (510-64148-30), 7C (510-64148-27), 8C (510-64148-28).

Method(s) 8082: The following samples required a mercury clean-up to reduce matrix interferences caused by sulfur: 10C (510-64148-30), 7C (510-64148-27), 8C (510-64148-28). Elevated reporting limits (RLs) are provided.

Method(s) 8082: Due to the level of dilution required for the following samples, surrogate recoveries are not reported: 10C (510-64148-30), 7C (510-64148-27), 8C (510-64148-28).

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.



Detection Summary

Client: Weaver Boos Consultants LLC
 Project/Site: South Bend Former Studebaker Foundry
 TestAmerica Job ID: 510-64148-1

Client Sample ID	Analyte	Result	Qualifier	MDL	Unit	Dil Fac	D Method	Prep Type
Client Sample ID: 1A	PCB-1260 - DL2	12		1.0	mg/Kg	50	8082	Total/NA
Client Sample ID: 1A	PCB-1260 - DL	12		0.41	mg/Kg	20	8082	Total/NA
Client Sample ID: 1B	PCB-1260 - DL	8.6		0.40	mg/Kg	20	8082	Total/NA
Client Sample ID: 1B	PCB-1260 - DL	51		2.1	mg/Kg	100	8082	Total/NA
Client Sample ID: 2B	PCB-1260 - DL2	160		10	mg/Kg	500	8082	Total/NA
Client Sample ID: 2B	PCB-1260 - DL2	33		2.0	mg/Kg	100	8082	Total/NA
Client Sample ID: 3B	PCB-1260 - DL2	28		2.1	mg/Kg	100	8082	Total/NA
Client Sample ID: 3B	PCB-1260 - DL2	130		10	mg/Kg	500	8082	Total/NA
Client Sample ID: 4B	PCB-1260 - DL2	120		4.2	mg/Kg	200	8082	Total/NA
Client Sample ID: 4B	PCB-1260 - DL2	82		10	mg/Kg	500	8082	Total/NA
Client Sample ID: 5B	PCB-1260 - DL2	25		2.1	mg/Kg	100	8082	Total/NA
Client Sample ID: 5B	PCB-1260 - DL2	120		4.2	mg/Kg	200	8082	Total/NA
Client Sample ID: 6B	PCB-1260 - DL2	25		2.1	mg/Kg	100	8082	Total/NA
Client Sample ID: 6B	PCB-1260 - DL2	82		10	mg/Kg	500	8082	Total/NA
Client Sample ID: 7B	PCB-1260 - DL2	25		2.1	mg/Kg	100	8082	Total/NA
Client Sample ID: 7B	PCB-1260 - DL2	82		10	mg/Kg	500	8082	Total/NA
Client Sample ID: 8B	PCB-1260 - DL2	25		2.1	mg/Kg	100	8082	Total/NA
Client Sample ID: 8B	PCB-1260 - DL2	82		10	mg/Kg	500	8082	Total/NA
Client Sample ID: 9B	PCB-1260 - DL2	25		2.1	mg/Kg	100	8082	Total/NA
Client Sample ID: 9B	PCB-1260 - DL2	82		10	mg/Kg	500	8082	Total/NA



Detection Summary

Client: Weaver Boos Consultants LLC

Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-64148-1

Client Sample ID: 9B (Continued) Lab Sample ID: 510-64148-12

Analyte	PCB-1260 - DL3	Result	1900	MDL	100	Dil Fac	5000	Method	8082	Prep Type	Total/NA
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Client Sample ID: 10B Lab Sample ID: 510-64148-13

Analyte	PCB-1260 - DL	Result	2.4	MDL	0.20	Dil Fac	10	Method	8082	Prep Type	Total/NA
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Client Sample ID: 11B Lab Sample ID: 510-64148-14

Analyte	PCB-1260 - DL3	Result	980	MDL	41	Dil Fac	2000	Method	8082	Prep Type	Total/NA
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Client Sample ID: 12B Lab Sample ID: 510-64148-15

Analyte	PCB-1260 - DL2	Result	170	MDL	10	Dil Fac	500	Method	8082	Prep Type	Total/NA
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Client Sample ID: 13B Lab Sample ID: 510-64148-16

Analyte	PCB-1260 - DL3	Result	2500	MDL	100	Dil Fac	5000	Method	8082	Prep Type	Total/NA
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Client Sample ID: 14B Lab Sample ID: 510-64148-17

Analyte	PCB-1260 - DL	Result	40	MDL	1.0	Dil Fac	50	Method	8082	Prep Type	Total/NA
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Client Sample ID: 15B Lab Sample ID: 510-64148-18

Analyte	PCB-1260 - DL	Result	8.5	MDL	0.42	Dil Fac	20	Method	8082	Prep Type	Total/NA
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Client Sample ID: 16B Lab Sample ID: 510-64148-19

Analyte	PCB-1260 - DL	Result	440	MDL	20	Dil Fac	1000	Method	8082	Prep Type	Total/NA
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Client Sample ID: 17B Lab Sample ID: 510-64148-20

Analyte	PCB-1260 - DL	Result	150	MDL	4.2	Dil Fac	200	Method	8082	Prep Type	Total/NA
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Client Sample ID: 1C Lab Sample ID: 510-64148-21

Analyte	PCB-1260 - DL2	Result	12000	MDL	510	Dil Fac	25000	Method	8082	Prep Type	Total/NA
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Client Sample ID: 2C Lab Sample ID: 510-64148-22

Analyte	PCB-1260 - DL	Result	3400	MDL	100	Dil Fac	5000	Method	8082	Prep Type	Total/NA
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Client Sample ID: 3C Lab Sample ID: 510-64148-23



Detection Summary

TestAmerica Job ID: 510-64148-1

Client: Weaver Boos Consultants LLC
 Project/Site: South Bend Former Studdebaker Foundry

Client Sample ID: 3C (Continued)

Analyte	PCB-1260 - DL	Result	200	RL	10	MDL	Unit	mg/kg	Dil Fac	500	D	Method	8082	Prep Type	Total/NA
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Client Sample ID: 4C

Analyte	PCB-1260 - DL2	Result	6100	RL	500	MDL	Unit	mg/kg	Dil Fac	25000	D	Method	8082	Prep Type	Total/NA
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Client Sample ID: 5C

Analyte	PCB-1260 - DL	Result	44	RL	1.0	MDL	Unit	mg/kg	Dil Fac	50	D	Method	8082	Prep Type	Total/NA
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Client Sample ID: 6C

Analyte	PCB-1260 - DL	Result	31	RL	1.0	MDL	Unit	mg/kg	Dil Fac	50	D	Method	8082	Prep Type	Total/NA
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Client Sample ID: 7C

Analyte	PCB-1260 - DL2	Result	570	RL	20	MDL	Unit	mg/kg	Dil Fac	1000	D	Method	8082	Prep Type	Total/NA
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Client Sample ID: 8C

Analyte	PCB-1260 - DL2	Result	530	RL	20	MDL	Unit	mg/kg	Dil Fac	1000	D	Method	8082	Prep Type	Total/NA
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Client Sample ID: 9C

Analyte	PCB-1260 - DL	Result	240	RL	10	MDL	Unit	mg/kg	Dil Fac	500	D	Method	8082	Prep Type	Total/NA
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Client Sample ID: 10C

Analyte	PCB-1260 - DL2	Result	2100	RL	100	MDL	Unit	mg/kg	Dil Fac	5000	D	Method	8082	Prep Type	Total/NA
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Analytical Data

Client: Weaver Boos Consultants LLC

Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-64148-1

Client Sample ID: 1A
 Lab Sample ID: 510-64148-1
 Matrix: Solid
 Date Collected: 04/06/11 10:00
 Date Received: 04/12/11 15:15
 Percent Solids: 96.9

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.1		1.0		mg/Kg	*	04/14/11 07:56	04/15/11 16:05	50
PCB-1221	<0.1		1.0		mg/Kg	*	04/14/11 07:56	04/15/11 16:05	50
PCB-1232	<0.1		1.0		mg/Kg	*	04/14/11 07:56	04/15/11 16:05	50
PCB-1242	<0.1		1.0		mg/Kg	*	04/14/11 07:56	04/15/11 16:05	50
PCB-1248	<0.1		1.0		mg/Kg	*	04/14/11 07:56	04/15/11 16:05	50
PCB-1254	<1.0		1.0		mg/Kg	*	04/14/11 07:56	04/15/11 16:05	50
PCB-1260	12		1.0		mg/Kg	*	04/14/11 07:56	04/15/11 16:05	50
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/14/11 07:56	04/15/11 16:05	50
Dibutylchlorobiphenyl	0	D	10 - 132				04/14/11 07:56	04/15/11 16:05	50

Client Sample ID: 2A
 Lab Sample ID: 510-64148-2
 Matrix: Solid
 Date Collected: 04/06/11 10:15
 Date Received: 04/12/11 15:15
 Percent Solids: 96.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.41		0.41		mg/Kg	*	04/14/11 07:56	04/15/11 15:35	20
PCB-1221	<0.41		0.41		mg/Kg	*	04/14/11 07:56	04/15/11 15:35	20
PCB-1232	<0.41		0.41		mg/Kg	*	04/14/11 07:56	04/15/11 15:35	20
PCB-1242	<0.41		0.41		mg/Kg	*	04/14/11 07:56	04/15/11 15:35	20
PCB-1248	<0.41		0.41		mg/Kg	*	04/14/11 07:56	04/15/11 15:35	20
PCB-1254	<0.41		0.41		mg/Kg	*	04/14/11 07:56	04/15/11 15:35	20
PCB-1260	12		0.41		mg/Kg	*	04/14/11 07:56	04/15/11 15:35	20
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/14/11 07:56	04/15/11 15:35	20
Dibutylchlorobiphenyl	0	D	10 - 132				04/14/11 07:56	04/15/11 15:35	20

Client Sample ID: 3A
 Lab Sample ID: 510-64148-3
 Matrix: Solid
 Date Collected: 04/06/11 10:30
 Date Received: 04/12/11 15:15
 Percent Solids: 95.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.40		0.40		mg/Kg	*	04/14/11 07:56	04/15/11 15:50	20
PCB-1221	<0.40		0.40		mg/Kg	*	04/14/11 07:56	04/15/11 15:50	20
PCB-1232	<0.40		0.40		mg/Kg	*	04/14/11 07:56	04/15/11 15:50	20
PCB-1242	<0.40		0.40		mg/Kg	*	04/14/11 07:56	04/15/11 15:50	20
PCB-1248	<0.40		0.40		mg/Kg	*	04/14/11 07:56	04/15/11 15:50	20
PCB-1254	<0.40		0.40		mg/Kg	*	04/14/11 07:56	04/15/11 15:50	20
PCB-1260	8.6		0.40		mg/Kg	*	04/14/11 07:56	04/15/11 15:50	20
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/14/11 07:56	04/15/11 15:50	20
Dibutylchlorobiphenyl	0	D	10 - 132				04/14/11 07:56	04/15/11 15:50	20

Analytical Data

Client: Weaver Boos Consultants LLC
 Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-64148-1

Client Sample ID: 1B
 Lab Sample ID: 510-64148-4
 Matrix: Solid
 Date Collected: 04/06/11 10:45
 Date Received: 04/12/11 15:15
 Percent Solids: 95.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<2.1		2.1		mg/Kg	*	04/14/11 07:56	04/15/11 14:59	100
PCB-1221	<2.1		2.1		mg/Kg	*	04/14/11 07:56	04/15/11 14:59	100
PCB-1232	<2.1		2.1		mg/Kg	*	04/14/11 07:56	04/15/11 14:59	100
PCB-1242	<2.1		2.1		mg/Kg	*	04/14/11 07:56	04/15/11 14:59	100
PCB-1248	<2.1		2.1		mg/Kg	*	04/14/11 07:56	04/15/11 14:59	100
PCB-1254	<2.1		2.1		mg/Kg	*	04/14/11 07:56	04/15/11 14:59	100
PCB-1260	51		2.1		mg/Kg	*	04/14/11 07:56	04/15/11 14:59	100
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/14/11 07:56	04/15/11 14:59	100
Dibutylchloroendate	0	D	10 - 132				04/14/11 07:56	04/15/11 14:59	100

Client Sample ID: 2B
 Lab Sample ID: 510-64148-5
 Matrix: Solid
 Date Collected: 04/06/11 11:00
 Date Received: 04/12/11 15:15
 Percent Solids: 94.7

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<10		10		mg/Kg	*	04/14/11 07:56	04/18/11 11:20	500
PCB-1221	<10		10		mg/Kg	*	04/14/11 07:56	04/18/11 11:20	500
PCB-1232	<10		10		mg/Kg	*	04/14/11 07:56	04/18/11 11:20	500
PCB-1242	<10		10		mg/Kg	*	04/14/11 07:56	04/18/11 11:20	500
PCB-1248	<10		10		mg/Kg	*	04/14/11 07:56	04/18/11 11:20	500
PCB-1254	<10		10		mg/Kg	*	04/14/11 07:56	04/18/11 11:20	500
PCB-1260	160		10		mg/Kg	*	04/14/11 07:56	04/18/11 11:20	500
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/14/11 07:56	04/18/11 11:20	500
Dibutylchloroendate	0	D	10 - 132				04/14/11 07:56	04/18/11 11:20	500

Client Sample ID: 3B
 Lab Sample ID: 510-64148-6
 Matrix: Solid
 Date Collected: 04/06/11 11:15
 Date Received: 04/12/11 15:15
 Percent Solids: 96.5

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<2.0		2.0		mg/Kg	*	04/14/11 07:56	04/18/11 11:35	100
PCB-1221	<2.0		2.0		mg/Kg	*	04/14/11 07:56	04/18/11 11:35	100
PCB-1232	<2.0		2.0		mg/Kg	*	04/14/11 07:56	04/18/11 11:35	100
PCB-1242	<2.0		2.0		mg/Kg	*	04/14/11 07:56	04/18/11 11:35	100
PCB-1248	<2.0		2.0		mg/Kg	*	04/14/11 07:56	04/18/11 11:35	100
PCB-1254	<2.0		2.0		mg/Kg	*	04/14/11 07:56	04/18/11 11:35	100
PCB-1260	33		2.0		mg/Kg	*	04/14/11 07:56	04/18/11 11:35	100
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/14/11 07:56	04/18/11 11:35	100
Dibutylchloroendate	0	D	10 - 132				04/14/11 07:56	04/18/11 11:35	100

Analytical Data

Client: Weaver Boos Consultants LLC
 Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-64148-1

Client Sample ID: 4B
 Date Collected: 04/06/11 11:30
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 96.1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL2

Analyte	Result	Qualifier	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<2.1		2.1	mg/Kg	*	04/14/11 07:56	04/18/11 11:50	100
PCB-1221	<2.1		2.1	mg/Kg	*	04/14/11 07:56	04/18/11 11:50	100
PCB-1232	<2.1		2.1	mg/Kg	*	04/14/11 07:56	04/18/11 11:50	100
PCB-1242	<2.1		2.1	mg/Kg	*	04/14/11 07:56	04/18/11 11:50	100
PCB-1248	<2.1		2.1	mg/Kg	*	04/14/11 07:56	04/18/11 11:50	100
PCB-1254	<2.1		2.1	mg/Kg	*	04/14/11 07:56	04/18/11 11:50	100
PCB-1260	28		2.1	mg/Kg	*	04/14/11 07:56	04/18/11 11:50	100
Surrogate	% Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147			04/14/11 07:56	04/18/11 11:50	100
Dibutylchloroendate	0	D	10 - 132			04/14/11 07:56	04/18/11 11:50	100

Client Sample ID: 5B
 Date Collected: 04/06/11 11:45
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 95.9

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL2

Analyte	Result	Qualifier	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<10		10	mg/Kg	*	04/14/11 07:56	04/18/11 12:05	500
PCB-1221	<10		10	mg/Kg	*	04/14/11 07:56	04/18/11 12:05	500
PCB-1232	<10		10	mg/Kg	*	04/14/11 07:56	04/18/11 12:05	500
PCB-1242	<10		10	mg/Kg	*	04/14/11 07:56	04/18/11 12:05	500
PCB-1248	<10		10	mg/Kg	*	04/14/11 07:56	04/18/11 12:05	500
PCB-1254	<10		10	mg/Kg	*	04/14/11 07:56	04/18/11 12:05	500
PCB-1260	130		10	mg/Kg	*	04/14/11 07:56	04/18/11 12:05	500
Surrogate	% Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147			04/14/11 07:56	04/18/11 12:05	500
Dibutylchloroendate	0	D	10 - 132			04/14/11 07:56	04/18/11 12:05	500

Client Sample ID: 6B
 Date Collected: 04/06/11 12:00
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 93.8

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL2

Analyte	Result	Qualifier	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<4.2		4.2	mg/Kg	*	04/14/11 07:56	04/18/11 12:20	200
PCB-1221	<4.2		4.2	mg/Kg	*	04/14/11 07:56	04/18/11 12:20	200
PCB-1232	<4.2		4.2	mg/Kg	*	04/14/11 07:56	04/18/11 12:20	200
PCB-1242	<4.2		4.2	mg/Kg	*	04/14/11 07:56	04/18/11 12:20	200
PCB-1248	<4.2		4.2	mg/Kg	*	04/14/11 07:56	04/18/11 12:20	200
PCB-1254	<4.2		4.2	mg/Kg	*	04/14/11 07:56	04/18/11 12:20	200
PCB-1260	120		4.2	mg/Kg	*	04/14/11 07:56	04/18/11 12:20	200
Surrogate	% Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147			04/14/11 07:56	04/18/11 12:20	200
Dibutylchloroendate	0	D	10 - 132			04/14/11 07:56	04/18/11 12:20	200



Analytical Data

Client: Weaver Boos Consultants LLC
 Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-64148-1

Client Sample ID: 7B
 Date Collected: 04/06/11 12:15
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 95.0

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<10		10		mg/Kg	*	04/14/11 07:56	04/18/11 12:35	500
PCB-1221	<10		10		mg/Kg	*	04/14/11 07:56	04/18/11 12:35	500
PCB-1222	<10		10		mg/Kg	*	04/14/11 07:56	04/18/11 12:35	500
PCB-1242	<10		10		mg/Kg	*	04/14/11 07:56	04/18/11 12:35	500
PCB-1248	<10		10		mg/Kg	*	04/14/11 07:56	04/18/11 12:35	500
PCB-1254	<10		10		mg/Kg	*	04/14/11 07:56	04/18/11 12:35	500
PCB-1260	82		10		mg/Kg	*	04/14/11 07:56	04/18/11 12:35	500
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/14/11 07:56	04/18/11 12:35	500
Dibutylchloroendate	0	D	10 - 132				04/14/11 07:56	04/18/11 12:35	500

Client Sample ID: 8B
 Date Collected: 04/06/11 12:30
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 95.6

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<2.1		2.1		mg/Kg	*	04/14/11 07:56	04/18/11 12:50	100
PCB-1221	<2.1		2.1		mg/Kg	*	04/14/11 07:56	04/18/11 12:50	100
PCB-1222	<2.1		2.1		mg/Kg	*	04/14/11 07:56	04/18/11 12:50	100
PCB-1242	<2.1		2.1		mg/Kg	*	04/14/11 07:56	04/18/11 12:50	100
PCB-1248	<2.1		2.1		mg/Kg	*	04/14/11 07:56	04/18/11 12:50	100
PCB-1254	<2.1		2.1		mg/Kg	*	04/14/11 07:56	04/18/11 12:50	100
PCB-1260	25		2.1		mg/Kg	*	04/14/11 07:56	04/18/11 12:50	100
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/14/11 07:56	04/18/11 12:50	100
Dibutylchloroendate	0	D	10 - 132				04/14/11 07:56	04/18/11 12:50	100

Client Sample ID: 9B
 Date Collected: 04/06/11 12:45
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 96.2

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<100		100		mg/Kg	*	04/14/11 10:37	04/18/11 15:03	5000
PCB-1221	<100		100		mg/Kg	*	04/14/11 10:37	04/18/11 15:03	5000
PCB-1222	<100		100		mg/Kg	*	04/14/11 10:37	04/18/11 15:03	5000
PCB-1242	<100		100		mg/Kg	*	04/14/11 10:37	04/18/11 15:03	5000
PCB-1248	<100		100		mg/Kg	*	04/14/11 10:37	04/18/11 15:03	5000
PCB-1254	<100		100		mg/Kg	*	04/14/11 10:37	04/18/11 15:03	5000
PCB-1260	1900		100		mg/Kg	*	04/14/11 10:37	04/18/11 15:03	5000
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/14/11 10:37	04/18/11 15:03	5000
Dibutylchloroendate	0	D	10 - 132				04/14/11 10:37	04/18/11 15:03	5000



Analytical Data

Client: Weaver Boos Consultants LLC
 Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-64148-1

Client Sample ID: 10B
 Date Collected: 04/06/11 13:00
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 94.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	< 20		0.20		mg/kg	*	04/14/11 10:37	04/15/11 18:21	10
PCB-1221	< 20		0.20		mg/kg	*	04/14/11 10:37	04/15/11 18:21	10
PCB-1232	< 20		0.20		mg/kg	*	04/14/11 10:37	04/15/11 18:21	10
PCB-1242	< 20		0.20		mg/kg	*	04/14/11 10:37	04/15/11 18:21	10
PCB-1248	< 20		0.20		mg/kg	*	04/14/11 10:37	04/15/11 18:21	10
PCB-1254	< 0.20		0.20		mg/kg	*	04/14/11 10:37	04/15/11 18:21	10
PCB-1260	2.4		0.20		mg/kg	*	04/14/11 10:37	04/15/11 18:21	10
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/14/11 10:37	04/15/11 18:21	10
Dibutylchloroendate	0	D	10 - 132				04/14/11 10:37	04/15/11 18:21	10

Client Sample ID: 11B
 Date Collected: 04/06/11 13:15
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 96.6

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	< 41		41		mg/kg	*	04/14/11 10:37	04/18/11 15:18	2000
PCB-1221	< 41		41		mg/kg	*	04/14/11 10:37	04/18/11 15:18	2000
PCB-1232	< 41		41		mg/kg	*	04/14/11 10:37	04/18/11 15:18	2000
PCB-1242	< 41		41		mg/kg	*	04/14/11 10:37	04/18/11 15:18	2000
PCB-1248	< 41		41		mg/kg	*	04/14/11 10:37	04/18/11 15:18	2000
PCB-1254	< 41		41		mg/kg	*	04/14/11 10:37	04/18/11 15:18	2000
PCB-1260	980		41		mg/kg	*	04/14/11 10:37	04/18/11 15:18	2000
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/14/11 10:37	04/18/11 15:18	2000
Dibutylchloroendate	0	D	10 - 132				04/14/11 10:37	04/18/11 15:18	2000

Client Sample ID: 12B
 Date Collected: 04/06/11 13:30
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 93.9

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	< 10		10		mg/kg	*	04/14/11 10:37	04/18/11 13:35	500
PCB-1221	< 10		10		mg/kg	*	04/14/11 10:37	04/18/11 13:35	500
PCB-1232	< 10		10		mg/kg	*	04/14/11 10:37	04/18/11 13:35	500
PCB-1242	< 10		10		mg/kg	*	04/14/11 10:37	04/18/11 13:35	500
PCB-1248	< 10		10		mg/kg	*	04/14/11 10:37	04/18/11 13:35	500
PCB-1254	< 10		10		mg/kg	*	04/14/11 10:37	04/18/11 13:35	500
PCB-1260	170		10		mg/kg	*	04/14/11 10:37	04/18/11 13:35	500
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/14/11 10:37	04/18/11 13:35	500
Dibutylchloroendate	0	D	10 - 132				04/14/11 10:37	04/18/11 13:35	500



Analytical Data

Client: Weaver Boos Consultants LLC

Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-64148-1

Client Sample ID: 13B
Lab Sample ID: 510-64148-16
 Matrix: Solid
 Date Collected: 04/06/11 13:45
 Date Received: 04/12/11 15:15
 Percent Solids: 96.4

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<100		100		mg/kg	*	04/14/11 10:37	04/18/11 15:33	5000
PCB-1221	<100		100		mg/kg	*	04/14/11 10:37	04/18/11 15:33	5000
PCB-1232	<100		100		mg/kg	*	04/14/11 10:37	04/18/11 15:33	5000
PCB-1242	<100		100		mg/kg	*	04/14/11 10:37	04/18/11 15:33	5000
PCB-1248	<100		100		mg/kg	*	04/14/11 10:37	04/18/11 15:33	5000
PCB-1254	<100		100		mg/kg	*	04/14/11 10:37	04/18/11 15:33	5000
PCB-1260	2500		100		mg/kg	*	04/14/11 10:37	04/18/11 15:33	5000
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/14/11 10:37	04/18/11 15:33	5000
Dibutylchlorobiphenyl	0	D	10 - 132				04/14/11 10:37	04/18/11 15:33	5000

Client Sample ID: 14B
Lab Sample ID: 510-64148-17
 Matrix: Solid
 Date Collected: 04/06/11 14:00
 Date Received: 04/12/11 15:15
 Percent Solids: 94.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.0		1.0		mg/kg	*	04/15/11 10:52	04/19/11 11:21	50
PCB-1221	<1.0		1.0		mg/kg	*	04/15/11 10:52	04/19/11 11:21	50
PCB-1232	<1.0		1.0		mg/kg	*	04/15/11 10:52	04/19/11 11:21	50
PCB-1242	<1.0		1.0		mg/kg	*	04/15/11 10:52	04/19/11 11:21	50
PCB-1248	<1.0		1.0		mg/kg	*	04/15/11 10:52	04/19/11 11:21	50
PCB-1254	<1.0		1.0		mg/kg	*	04/15/11 10:52	04/19/11 11:21	50
PCB-1260	40		1.0		mg/kg	*	04/15/11 10:52	04/19/11 11:21	50
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/15/11 10:52	04/19/11 11:21	50
Dibutylchlorobiphenyl	0	D	10 - 132				04/15/11 10:52	04/19/11 11:21	50

Client Sample ID: 15B
Lab Sample ID: 510-64148-18
 Matrix: Solid
 Date Collected: 04/06/11 14:15
 Date Received: 04/12/11 15:15
 Percent Solids: 93.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.42		0.42		mg/kg	*	04/15/11 10:52	04/19/11 12:06	20
PCB-1221	<0.42		0.42		mg/kg	*	04/15/11 10:52	04/19/11 12:06	20
PCB-1232	<0.42		0.42		mg/kg	*	04/15/11 10:52	04/19/11 12:06	20
PCB-1242	<0.42		0.42		mg/kg	*	04/15/11 10:52	04/19/11 12:06	20
PCB-1248	<0.42		0.42		mg/kg	*	04/15/11 10:52	04/19/11 12:06	20
PCB-1254	<0.42		0.42		mg/kg	*	04/15/11 10:52	04/19/11 12:06	20
PCB-1260	8.5		0.42		mg/kg	*	04/15/11 10:52	04/19/11 12:06	20
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/15/11 10:52	04/19/11 12:06	20
Dibutylchlorobiphenyl	0	D	10 - 132				04/15/11 10:52	04/19/11 12:06	20



Analytical Data

Client: Weaver Boos Consultants LLC

Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-64148-1

Client Sample ID: 16B
Date Collected: 04/06/11 14:30
Date Received: 04/12/11 15:15
Matrix: Solid
Percent Solids: 95.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<20		20		mg/Kg	*	04/15/11 10:52	04/19/11 12:21	1000
PCB-1221	<20		20		mg/Kg	*	04/15/11 10:52	04/19/11 12:21	1000
PCB-1232	<20		20		mg/Kg	*	04/15/11 10:52	04/19/11 12:21	1000
PCB-1242	<20		20		mg/Kg	*	04/15/11 10:52	04/19/11 12:21	1000
PCB-1248	<20		20		mg/Kg	*	04/15/11 10:52	04/19/11 12:21	1000
PCB-1254	<20		20		mg/Kg	*	04/15/11 10:52	04/19/11 12:21	1000
PCB-1260	440		20		mg/Kg	*	04/15/11 10:52	04/19/11 12:21	1000
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/15/11 10:52	04/19/11 12:21	1000
Dibutylchlorondate	0	D	10 - 132				04/15/11 10:52	04/19/11 12:21	1000

Client Sample ID: 17B
Date Collected: 04/06/11 14:45
Date Received: 04/12/11 15:15
Matrix: Solid
Percent Solids: 95.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<4.2		4.2		mg/Kg	*	04/15/11 10:52	04/19/11 12:36	200
PCB-1221	<4.2		4.2		mg/Kg	*	04/15/11 10:52	04/19/11 12:36	200
PCB-1232	<4.2		4.2		mg/Kg	*	04/15/11 10:52	04/19/11 12:36	200
PCB-1242	<4.2		4.2		mg/Kg	*	04/15/11 10:52	04/19/11 12:36	200
PCB-1248	<4.2		4.2		mg/Kg	*	04/15/11 10:52	04/19/11 12:36	200
PCB-1254	<4.2		4.2		mg/Kg	*	04/15/11 10:52	04/19/11 12:36	200
PCB-1260	150		4.2		mg/Kg	*	04/15/11 10:52	04/19/11 12:36	200
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/15/11 10:52	04/19/11 12:36	200
Dibutylchlorondate	0	D	10 - 132				04/15/11 10:52	04/19/11 12:36	200

Client Sample ID: 1C
Date Collected: 04/06/11 15:00
Date Received: 04/12/11 15:15
Matrix: Solid
Percent Solids: 94.9

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<510		510		mg/Kg	*	04/15/11 10:52	04/19/11 15:56	25000
PCB-1221	<510		510		mg/Kg	*	04/15/11 10:52	04/19/11 15:56	25000
PCB-1232	<510		510		mg/Kg	*	04/15/11 10:52	04/19/11 15:56	25000
PCB-1242	<510		510		mg/Kg	*	04/15/11 10:52	04/19/11 15:56	25000
PCB-1248	<510		510		mg/Kg	*	04/15/11 10:52	04/19/11 15:56	25000
PCB-1254	<510		510		mg/Kg	*	04/15/11 10:52	04/19/11 15:56	25000
PCB-1260	12000		510		mg/Kg	*	04/15/11 10:52	04/19/11 15:56	25000
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/15/11 10:52	04/19/11 15:56	25000
Dibutylchlorondate	0	D	10 - 132				04/15/11 10:52	04/19/11 15:56	25000

Analytical Data

Client: Weaver Boos Consultants LLC
 Project/Site: South Bend Former Studemaker Foundry

TestAmerica Job ID: 510-64148-1

Client Sample ID: 2C
 Date Collected: 04/06/11 15:10
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 95.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<100		100		mg/Kg	*	04/15/11 10:52	04/19/11 13:15	5000
PCB-1221	<100		100		mg/Kg	*	04/15/11 10:52	04/19/11 13:15	5000
PCB-1222	<100		100		mg/Kg	*	04/15/11 10:52	04/19/11 13:15	5000
PCB-1242	<100		100		mg/Kg	*	04/15/11 10:52	04/19/11 13:15	5000
PCB-1248	<100		100		mg/Kg	*	04/15/11 10:52	04/19/11 13:15	5000
PCB-1254	<100		100		mg/Kg	*	04/15/11 10:52	04/19/11 13:15	5000
PCB-1260	3400		100		mg/Kg	*	04/15/11 10:52	04/19/11 13:15	5000
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/15/11 10:52	04/19/11 13:15	5000
Dibutylchloroendate	0	D	10 - 132				04/15/11 10:52	04/19/11 13:15	5000

Client Sample ID: 3C
 Date Collected: 04/06/11 15:20
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 95.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<10		10		mg/Kg	*	04/15/11 10:52	04/19/11 13:45	500
PCB-1221	<10		10		mg/Kg	*	04/15/11 10:52	04/19/11 13:45	500
PCB-1222	<10		10		mg/Kg	*	04/15/11 10:52	04/19/11 13:45	500
PCB-1242	<10		10		mg/Kg	*	04/15/11 10:52	04/19/11 13:45	500
PCB-1248	<10		10		mg/Kg	*	04/15/11 10:52	04/19/11 13:45	500
PCB-1254	<10		10		mg/Kg	*	04/15/11 10:52	04/19/11 13:45	500
PCB-1260	200		10		mg/Kg	*	04/15/11 10:52	04/19/11 13:45	500
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/15/11 10:52	04/19/11 13:45	500
Dibutylchloroendate	0	D	10 - 132				04/15/11 10:52	04/19/11 13:45	500

Client Sample ID: 4C
 Date Collected: 04/06/11 15:30
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 95.9

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<500		500		mg/Kg	*	04/15/11 10:52	04/19/11 16:11	25000
PCB-1221	<500		500		mg/Kg	*	04/15/11 10:52	04/19/11 16:11	25000
PCB-1222	<500		500		mg/Kg	*	04/15/11 10:52	04/19/11 16:11	25000
PCB-1242	<500		500		mg/Kg	*	04/15/11 10:52	04/19/11 16:11	25000
PCB-1248	<500		500		mg/Kg	*	04/15/11 10:52	04/19/11 16:11	25000
PCB-1254	<500		500		mg/Kg	*	04/15/11 10:52	04/19/11 16:11	25000
PCB-1260	6100		500		mg/Kg	*	04/15/11 10:52	04/19/11 16:11	25000
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/15/11 10:52	04/19/11 16:11	25000
Dibutylchloroendate	0	D	10 - 132				04/15/11 10:52	04/19/11 16:11	25000



Analytical Data

Client: Weaver Boos Consultants LLC
 Project/Site: South Bend Former Studabaker Foundry

TestAmerica Job ID: 510-64148-1

Client Sample ID: 5C
 Date Collected: 04/06/11 15:40
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 95.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.0		1.0		mg/kg	*	04/19/11 14:25	04/19/11 14:25	50
PCB-1221	<1.0		1.0		mg/kg	*	04/19/11 14:25	04/19/11 14:25	50
PCB-1232	<1.0		1.0		mg/kg	*	04/19/11 14:25	04/19/11 14:25	50
PCB-1242	<1.0		1.0		mg/kg	*	04/19/11 14:25	04/19/11 14:25	50
PCB-1248	<1.0		1.0		mg/kg	*	04/19/11 14:25	04/19/11 14:25	50
PCB-1254	<1.0		1.0		mg/kg	*	04/19/11 14:25	04/19/11 14:25	50
PCB-1260	44		1.0		mg/kg	*	04/19/11 14:25	04/19/11 14:25	50
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/19/11 14:25	04/19/11 14:25	50
Dibutylchloroendate	0	D	10 - 132				04/19/11 14:25	04/19/11 14:25	50

Client Sample ID: 6C
 Date Collected: 04/06/11 15:50
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 96.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.0		1.0		mg/kg	*	04/19/11 14:40	04/19/11 14:40	50
PCB-1221	<1.0		1.0		mg/kg	*	04/19/11 14:40	04/19/11 14:40	50
PCB-1232	<1.0		1.0		mg/kg	*	04/19/11 14:40	04/19/11 14:40	50
PCB-1242	<1.0		1.0		mg/kg	*	04/19/11 14:40	04/19/11 14:40	50
PCB-1248	<1.0		1.0		mg/kg	*	04/19/11 14:40	04/19/11 14:40	50
PCB-1254	<1.0		1.0		mg/kg	*	04/19/11 14:40	04/19/11 14:40	50
PCB-1260	31		1.0		mg/kg	*	04/19/11 14:40	04/19/11 14:40	50
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/19/11 14:40	04/19/11 14:40	50
Dibutylchloroendate	0	D	10 - 132				04/19/11 14:40	04/19/11 14:40	50

Client Sample ID: 7C
 Date Collected: 04/06/11 16:00
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 95.6

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<20		20		mg/kg	*	04/20/11 11:10	04/20/11 11:10	1000
PCB-1221	<20		20		mg/kg	*	04/20/11 11:10	04/20/11 11:10	1000
PCB-1232	<20		20		mg/kg	*	04/20/11 11:10	04/20/11 11:10	1000
PCB-1242	<20		20		mg/kg	*	04/20/11 11:10	04/20/11 11:10	1000
PCB-1248	<20		20		mg/kg	*	04/20/11 11:10	04/20/11 11:10	1000
PCB-1254	<20		20		mg/kg	*	04/20/11 11:10	04/20/11 11:10	1000
PCB-1260	570		20		mg/kg	*	04/20/11 11:10	04/20/11 11:10	1000
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/20/11 11:10	04/20/11 11:10	1000
Dibutylchloroendate	0	D	10 - 132				04/20/11 11:10	04/20/11 11:10	1000

Analytical Data

Client: Weaver Boos Consultants LLC

Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-64148-1

Client Sample ID: 8C

Date Collected: 04/06/11 16:10
Date Received: 04/12/11 15:15

Lab Sample ID: 510-64148-28
Matrix: Solid
Percent Solids: 96.5

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<100		20		mg/kg	*	04/15/11 10:52	04/20/11 11:25	1000
PCB-1221	<100		20		mg/kg	*	04/15/11 10:52	04/20/11 11:25	1000
PCB-1232	<100		20		mg/kg	*	04/15/11 10:52	04/20/11 11:25	1000
PCB-1242	<100		20		mg/kg	*	04/15/11 10:52	04/20/11 11:25	1000
PCB-1248	<100		20		mg/kg	*	04/15/11 10:52	04/20/11 11:25	1000
PCB-1254	<100		20		mg/kg	*	04/15/11 10:52	04/20/11 11:25	1000
PCB-1260	530		20		mg/kg	*	04/15/11 10:52	04/20/11 11:25	1000
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/15/11 10:52	04/20/11 11:25	1000
Dibutylchloroendate	0	D	10 - 132				04/15/11 10:52	04/20/11 11:25	1000

Client Sample ID: 9C

Date Collected: 04/06/11 16:20
Date Received: 04/12/11 15:15

Lab Sample ID: 510-64148-29
Matrix: Solid
Percent Solids: 95.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<100		10		mg/kg	*	04/15/11 10:52	04/19/11 15:25	500
PCB-1221	<100		10		mg/kg	*	04/15/11 10:52	04/19/11 15:25	500
PCB-1232	<100		10		mg/kg	*	04/15/11 10:52	04/19/11 15:25	500
PCB-1242	<100		10		mg/kg	*	04/15/11 10:52	04/19/11 15:25	500
PCB-1248	<100		10		mg/kg	*	04/15/11 10:52	04/19/11 15:25	500
PCB-1254	<100		10		mg/kg	*	04/15/11 10:52	04/19/11 15:25	500
PCB-1260	240		10		mg/kg	*	04/15/11 10:52	04/19/11 15:25	500
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/15/11 10:52	04/19/11 15:25	500
Dibutylchloroendate	0	D	10 - 132				04/15/11 10:52	04/19/11 15:25	500

Client Sample ID: 10C

Date Collected: 04/06/11 16:30
Date Received: 04/12/11 15:15

Lab Sample ID: 510-64148-30
Matrix: Solid
Percent Solids: 95.3

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<100		100		mg/kg	*	04/15/11 10:52	04/20/11 11:40	5000
PCB-1221	<100		100		mg/kg	*	04/15/11 10:52	04/20/11 11:40	5000
PCB-1232	<100		100		mg/kg	*	04/15/11 10:52	04/20/11 11:40	5000
PCB-1242	<100		100		mg/kg	*	04/15/11 10:52	04/20/11 11:40	5000
PCB-1248	<100		100		mg/kg	*	04/15/11 10:52	04/20/11 11:40	5000
PCB-1254	<100		100		mg/kg	*	04/15/11 10:52	04/20/11 11:40	5000
PCB-1260	2100		100		mg/kg	*	04/15/11 10:52	04/20/11 11:40	5000
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	D	14 - 147				04/15/11 10:52	04/20/11 11:40	5000
Dibutylchloroendate	0	D	10 - 132				04/15/11 10:52	04/20/11 11:40	5000



Surrogate Summary

Client: Weaver Boos Consultants LLC
 Project/Site: South Bend Former Studebaker Foundry
 TestAmerica Job ID: 510-64148-1

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

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB1 (14-17)	DBC1 (10-132)
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510-64148-1 - DL2	1A	0D	0D
510-64148-2 - DL	2A	0D	0D
510-64148-3 - DL	3A	0D	0D
510-64148-4 - DL	1B	0D	0D
510-64148-5 - DL2	2B	0D	0D
510-64148-6 - DL2	3B	0D	0D
510-64148-7 - DL2	4B	0D	0D
510-64148-8 - DL2	5B	0D	0D
510-64148-9 - DL2	6B	0D	0D
510-64148-10 - DL2	7B	0D	0D
510-64148-11 - DL2	8B	0D	0D
510-64148-12 - DL3	9B	0D	0D
510-64148-13 - DL	10B	0D	0D
510-64148-14 - DL3	11B	0D	0D
510-64148-15 - DL2	12B	0D	0D
510-64148-16 - DL3	13B	0D	0D
510-64148-17 - DL	14B	0D	0D
510-64148-17 MS - DL	14B	0D	0D
510-64148-17 MSD - DL	14B	0D	0D
510-64148-18 - DL	15B	0D	0D
510-64148-19 - DL	16B	0D	0D
510-64148-20 - DL	17B	0D	0D
510-64148-21 - DL2	1C	0D	0D
510-64148-22 - DL	2C	0D	0D
510-64148-23 - DL	3C	0D	0D
510-64148-24 - DL2	4C	0D	0D
510-64148-25 - DL	5C	0D	0D
510-64148-26 - DL	6C	0D	0D
510-64148-27 - DL2	7C	0D	0D
510-64148-28 - DL2	8C	0D	0D
510-64148-29 - DL	9C	0D	0D
510-64148-30 - DL2	10C	0D	0D
LCS 510-78933/2-A	LCS 510-78933/2-A	106	76
LCS 510-79020/2-A	LCS 510-79020/2-A	109	91
MB 510-78933/1-A	MB 510-78933/1-A	94	72
MB 510-79020/1-A	MB 510-79020/1-A	114	80

Surrogate Legend
 DCB = DCB Decachlorobiphenyl
 DBC = Dibutylchlorodate



Quality Control Data

Client: Weaver Boos Consultants LLC
 Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-64148-1

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

Lab Sample ID: MB 510-78933/1-A
 Matrix: Solid
 Analysis Batch: 79013

Client Sample ID: MB 510-78933/1-A
 Prep Type: Total/NA
 Prep Batch: 78933

Analyte	Result	Qualifier	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.010		0.010	mg/kg		04/14/11 07:56	04/15/11 12:30	1
PCB-1221	<0.010		0.010	mg/kg		04/14/11 07:56	04/15/11 12:30	1
PCB-1232	<0.010		0.010	mg/kg		04/14/11 07:56	04/15/11 12:30	1
PCB-1242	<0.010		0.010	mg/kg		04/14/11 07:56	04/15/11 12:30	1
PCB-1248	<0.010		0.010	mg/kg		04/14/11 07:56	04/15/11 12:30	1
PCB-1254	<0.010		0.010	mg/kg		04/14/11 07:56	04/15/11 12:30	1
PCB-1260	<0.010		0.010	mg/kg		04/14/11 07:56	04/15/11 12:30	1
Surrogate	% Recovery	Qualifier	Limits					
DCB Decachlorobiphenyl	94		14 - 147			04/14/11 07:56	04/15/11 12:30	1
Dibutylchloroendate	72		10 - 132			04/14/11 07:56	04/15/11 12:30	1
Lab Sample ID: LCS 510-78933/2-A Matrix: Solid Analysis Batch: 79013								
Client Sample ID: LCS 510-78933/2-A Prep Type: Total/NA Prep Batch: 78933								
Analyte	Spike	LCS	LCS	Unit	D	Prepared <td>Analyzed <td>Dil Fac</td> </td>	Analyzed <td>Dil Fac</td>	Dil Fac
PCB-1016	0.167	0.174	0.179	mg/kg		04/14/11 07:56	04/15/11 12:30	1
PCB-1260	0.167	0.174	0.179	mg/kg		04/14/11 07:56	04/15/11 12:30	1
Surrogate	% Recovery	Qualifier	Limits					
DCB Decachlorobiphenyl	106		14 - 147					
Dibutylchloroendate	76		10 - 132					

Lab Sample ID: MB 510-79020/1-A
 Matrix: Solid
 Analysis Batch: 79155

Client Sample ID: MB 510-79020/1-A
 Prep Type: Total/NA
 Prep Batch: 79020

Analyte	Result	Qualifier	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.010		0.010	mg/kg		04/15/11 10:52	04/19/11 10:51	1
PCB-1221	<0.010		0.010	mg/kg		04/15/11 10:52	04/19/11 10:51	1
PCB-1232	<0.010		0.010	mg/kg		04/15/11 10:52	04/19/11 10:51	1
PCB-1242	<0.010		0.010	mg/kg		04/15/11 10:52	04/19/11 10:51	1
PCB-1248	<0.010		0.010	mg/kg		04/15/11 10:52	04/19/11 10:51	1
PCB-1254	<0.010		0.010	mg/kg		04/15/11 10:52	04/19/11 10:51	1
PCB-1260	<0.010		0.010	mg/kg		04/15/11 10:52	04/19/11 10:51	1
Surrogate	% Recovery	Qualifier	Limits					
DCB Decachlorobiphenyl	114		14 - 147			04/15/11 10:52	04/19/11 10:51	1
Dibutylchloroendate	80		10 - 132			04/15/11 10:52	04/19/11 10:51	1
Lab Sample ID: LCS 510-79020/2-A Matrix: Solid Analysis Batch: 79155								
Client Sample ID: LCS 510-79020/2-A Prep Type: Total/NA Prep Batch: 79020								
Analyte	Spike	LCS	LCS	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.167	0.179	0.192	mg/kg		04/15/11 10:52	04/19/11 10:51	1
PCB-1260	0.167	0.179	0.192	mg/kg		04/15/11 10:52	04/19/11 10:51	1
Surrogate	% Recovery	Qualifier	Limits					
DCB Decachlorobiphenyl	114		14 - 147					
Dibutylchloroendate	80		10 - 132					

Lab Sample ID: LCS 510-79020/2-A
 Matrix: Solid
 Analysis Batch: 79155

Client Sample ID: LCS 510-79020/2-A
 Prep Type: Total/NA
 Prep Batch: 79020

Analyte	Result	Qualifier	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.010		0.010	mg/kg		04/15/11 10:52	04/19/11 10:51	1
PCB-1221	<0.010		0.010	mg/kg		04/15/11 10:52	04/19/11 10:51	1
PCB-1232	<0.010		0.010	mg/kg		04/15/11 10:52	04/19/11 10:51	1
PCB-1242	<0.010		0.010	mg/kg		04/15/11 10:52	04/19/11 10:51	1
PCB-1248	<0.010		0.010	mg/kg		04/15/11 10:52	04/19/11 10:51	1
PCB-1254	<0.010		0.010	mg/kg		04/15/11 10:52	04/19/11 10:51	1
PCB-1260	<0.010		0.010	mg/kg		04/15/11 10:52	04/19/11 10:51	1
Surrogate	% Recovery	Qualifier	Limits					
DCB Decachlorobiphenyl	114		14 - 147			04/15/11 10:52	04/19/11 10:51	1
Dibutylchloroendate	80		10 - 132			04/15/11 10:52	04/19/11 10:51	1
Analyte	Added	LCS	LCS	Unit	D <th>Prepared</th> <th>Analyzed</th> <th>Dil Fac</th>	Prepared	Analyzed	Dil Fac
PCB-1016	0.167	0.179	0.192	mg/kg		04/15/11 10:52	04/19/11 10:51	1
PCB-1260	0.167	0.179	0.192	mg/kg		04/15/11 10:52	04/19/11 10:51	1
Surrogate	% Recovery	Qualifier	Limits					
DCB Decachlorobiphenyl	114		14 - 147					
Dibutylchloroendate	80		10 - 132					



Quality Control Data

Client: Weaver Boos Consultants LLC

Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-64148-1

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

Lab Sample ID: LCS 510-79020/2-A		Matrix: Solid		Analysis Batch: 79155		Client Sample ID: LCS 510-79020/2-A	
Surrogate	D	MS	MS	MS	MS	MS	MS
DCB Decachlorobiphenyl	DL	DCB Decachlorobiphenyl	DL	DCB Decachlorobiphenyl	DL	DCB Decachlorobiphenyl	DL
109	14 - 147	109	14 - 147	109	14 - 147	109	14 - 147
% Recovery	Qualifier	% Recovery	Qualifier	% Recovery	Qualifier	% Recovery	Qualifier
91	DL	91	DL	91	DL	91	DL
Dibutylchloroendate							
LCS LCS							

Lab Sample ID: 510-64148-17 MS		Matrix: Solid		Analysis Batch: 79155		Client Sample ID: 14B	
Surrogate	D	MS	MS	MS	MS	MS	MS
DCB Decachlorobiphenyl	DL	DCB Decachlorobiphenyl	DL	DCB Decachlorobiphenyl	DL	DCB Decachlorobiphenyl	DL
<1.0	14 - 147	<1.0	14 - 147	<1.0	14 - 147	<1.0	14 - 147
Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
40	DL	40	DL	40	DL	40	DL
Dibutylchloroendate							
Lab Sample ID: 510-64148-17 MSD							
Matrix: Solid		Analysis Batch: 79155		Client Sample ID: 14B		Prep Type: Total/NA	
Prep Batch: 79020		Prep Batch: 79020		Prep Batch: 79020		Prep Batch: 79020	

Lab Sample ID: 510-64148-17 MSD		Matrix: Solid		Analysis Batch: 79155		Client Sample ID: 14B	
Surrogate	D	MSD	MSD	MSD	MSD	MSD	MSD
DCB Decachlorobiphenyl	DL	DCB Decachlorobiphenyl	DL	DCB Decachlorobiphenyl	DL	DCB Decachlorobiphenyl	DL
0	14 - 147	0	14 - 147	0	14 - 147	0	14 - 147
% Recovery	Qualifier	% Recovery	Qualifier	% Recovery	Qualifier	% Recovery	Qualifier
0	DL	0	DL	0	DL	0	DL
Dibutylchloroendate							
Sample		Sample		Sample		Sample	
40	DL	40	DL	40	DL	40	DL
Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
<1.0	DL	<1.0	DL	<1.0	DL	<1.0	DL
Added	Qualifier	Added	Qualifier	Added	Qualifier	Added	Qualifier
0.347	DL	0.347	DL	0.347	DL	0.347	DL
Spike	Qualifier	Spike	Qualifier	Spike	Qualifier	Spike	Qualifier
<1.0	DL	<1.0	DL	<1.0	DL	<1.0	DL
Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
22.5	DL	22.5	DL	22.5	DL	22.5	DL
4 F	DL	4 F	DL	4 F	DL	4 F	DL
mg/kg	DL	mg/kg	DL	mg/kg	DL	mg/kg	DL
D							
% Rec	DL	% Rec	DL	% Rec	DL	% Rec	DL
0	DL	0	DL	0	DL	0	DL
Limits	DL	Limits	DL	Limits	DL	Limits	DL
71 - 118	DL	71 - 118	DL	71 - 118	DL	71 - 118	DL
RPD	DL	RPD	DL	RPD	DL	RPD	DL
81	DL	81	DL	81	DL	81	DL
Limits	DL	Limits	DL	Limits	DL	Limits	DL
72 - 125	DL	72 - 125	DL	72 - 125	DL	72 - 125	DL
% Rec	DL	% Rec	DL	% Rec	DL	% Rec	DL
-4964	DL	-4964	DL	-4964	DL	-4964	DL
**	DL	**	DL	**	DL	**	DL

QC Association Summary

Client: Weaver Boos Consultants LLC

Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-64148-1

GC Semi VOA

Prep Batch: 78933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 510-78933/1-A	MB 510-78933/1-A	Total/NA	Solid	3541	78933
510-64148-3 - DL	3A	Total/NA	Solid	3541	78933
510-64148-4 - DL	1B	Total/NA	Solid	3541	78933
510-64148-5 - DL2	2B	Total/NA	Solid	3541	78933
510-64148-6 - DL2	3B	Total/NA	Solid	3541	78933
510-64148-7 - DL2	4B	Total/NA	Solid	3541	78933
510-64148-8 - DL2	5B	Total/NA	Solid	3541	78933
510-64148-9 - DL2	6B	Total/NA	Solid	3541	78933
510-64148-10 - DL2	7B	Total/NA	Solid	3541	78933
510-64148-11 - DL2	8B	Total/NA	Solid	3541	78933
LCS 510-78933/2-A	LCS 510-78933/2-A	Total/NA	Solid	3541	78933
510-64148-12 - DL3	9B	Total/NA	Solid	3541	78933
510-64148-13 - DL	10B	Total/NA	Solid	3541	78933
510-64148-14 - DL3	11B	Total/NA	Solid	3541	78933
510-64148-15 - DL2	12B	Total/NA	Solid	3541	78933
510-64148-16 - DL3	13B	Total/NA	Solid	3541	78933
510-64148-1 - DL2	1A	Total/NA	Solid	3541	78933
510-64148-2 - DL	2A	Total/NA	Solid	3541	78933

Analysis Batch: 79013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
510-64148-4 - DL	1B	Total/NA	Solid	8082	78933
510-64148-2 - DL	2A	Total/NA	Solid	8082	78933
510-64148-3 - DL	3A	Total/NA	Solid	8082	78933
510-64148-1 - DL2	1A	Total/NA	Solid	8082	78933
510-64148-13 - DL	10B	Total/NA	Solid	8082	78933
MB 510-78933/1-A	MB 510-78933/1-A	Total/NA	Solid	8082	78933
LCS 510-78933/2-A	LCS 510-78933/2-A	Total/NA	Solid	8082	78933

Prep Batch: 79020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 510-79020/1-A	MB 510-79020/1-A	Total/NA	Solid	3541	79020
510-64148-22 - DL	2C	Total/NA	Solid	3541	79020
510-64148-23 - DL	3C	Total/NA	Solid	3541	79020
510-64148-24 - DL2	4C	Total/NA	Solid	3541	79020
510-64148-25 - DL	5C	Total/NA	Solid	3541	79020
510-64148-26 - DL	6C	Total/NA	Solid	3541	79020
510-64148-27 - DL2	7C	Total/NA	Solid	3541	79020
510-64148-28 - DL2	8C	Total/NA	Solid	3541	79020
510-64148-29 - DL	9C	Total/NA	Solid	3541	79020
510-64148-30 - DL2	10C	Total/NA	Solid	3541	79020
LCS 510-79020/2-A	LCS 510-79020/2-A	Total/NA	Solid	3541	79020
510-64148-17 - DL	14B	Total/NA	Solid	3541	79020
510-64148-17 MS - DL	14B	Total/NA	Solid	3541	79020
510-64148-17 MSD - DL	14B	Total/NA	Solid	3541	79020
510-64148-18 - DL	15B	Total/NA	Solid	3541	79020
510-64148-19 - DL	16B	Total/NA	Solid	3541	79020
510-64148-20 - DL	17B	Total/NA	Solid	3541	79020
510-64148-21 - DL2	1C	Total/NA	Solid	3541	79020



QC Association Summary

Client: Weaver Boos Consultants LLC

Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-64148-1

GC Semi VOA (Continued)

Analysis Batch: 79092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
510-64148-10 - DL2	7B	Total/NA	Solid	8082	78933
510-64148-11 - DL2	8B	Total/NA	Solid	8082	78933
510-64148-15 - DL2	12B	Total/NA	Solid	8082	78933
510-64148-12 - DL3	9B	Total/NA	Solid	8082	78933
510-64148-14 - DL3	11B	Total/NA	Solid	8082	78933
510-64148-16 - DL3	13B	Total/NA	Solid	8082	78933
510-64148-5 - DL2	2B	Total/NA	Solid	8082	78933
510-64148-6 - DL2	3B	Total/NA	Solid	8082	78933
510-64148-7 - DL2	4B	Total/NA	Solid	8082	78933
510-64148-8 - DL2	5B	Total/NA	Solid	8082	78933
510-64148-9 - DL2	6B	Total/NA	Solid	8082	78933

Analysis Batch: 79155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
510-64148-18 - DL	15B	Total/NA	Solid	8082	79020
510-64148-19 - DL	16B	Total/NA	Solid	8082	79020
510-64148-20 - DL	17B	Total/NA	Solid	8082	79020
510-64148-22 - DL	2C	Total/NA	Solid	8082	79020
510-64148-23 - DL	3C	Total/NA	Solid	8082	79020
510-64148-25 - DL	5C	Total/NA	Solid	8082	79020
510-64148-26 - DL	6C	Total/NA	Solid	8082	79020
510-64148-29 - DL	9C	Total/NA	Solid	8082	79020
510-64148-21 - DL2	1C	Total/NA	Solid	8082	79020
510-64148-24 - DL2	4C	Total/NA	Solid	8082	79020
MB 510-79020/1-A	MB 510-79020/1-A	Total/NA	Solid	8082	79020
LCS 510-79020/2-A	LCS 510-79020/2-A	Total/NA	Solid	8082	79020
510-64148-17 - DL	14B	Total/NA	Solid	8082	79020
510-64148-17 MS - DL	14B	Total/NA	Solid	8082	79020
510-64148-17 MSD - DL	14B	Total/NA	Solid	8082	79020

Analysis Batch: 79231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
510-64148-27 - DL2	7C	Total/NA	Solid	8082	79020
510-64148-28 - DL2	8C	Total/NA	Solid	8082	79020
510-64148-30 - DL2	10C	Total/NA	Solid	8082	79020

General Chemistry

Analysis Batch: 78988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 510-78988/1	MB 510-78988/1	Total/NA	Solid	Moisture	
510-64148-30	10C	Total/NA	Solid	Moisture	
510-64148-29	9C	Total/NA	Solid	Moisture	
510-64148-28	8C	Total/NA	Solid	Moisture	
510-64148-27	7C	Total/NA	Solid	Moisture	
510-64148-26	6C	Total/NA	Solid	Moisture	
510-64148-25	5C	Total/NA	Solid	Moisture	
510-64148-24	4C	Total/NA	Solid	Moisture	
510-64148-23	3C	Total/NA	Solid	Moisture	
510-64148-22	2C	Total/NA	Solid	Moisture	
510-64148-21	1C	Total/NA	Solid	Moisture	
510-64148-20	17B	Total/NA	Solid	Moisture	



QC Association Summary

Client: Weaver Boos Consultants LLC

Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-64148-1

General Chemistry (Continued)

Analysis Batch: 79053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
510-64148-15	12B	Total/NA	Solid	Moisture	Prep Batch
510-64148-14	11B	Total/NA	Solid	Moisture	
510-64148-13	10B	Total/NA	Solid	Moisture	
510-64148-12	9B	Total/NA	Solid	Moisture	
510-64148-12 DU	9B	Total/NA	Solid	Moisture	
510-64148-11	8B	Total/NA	Solid	Moisture	
510-64148-10	7B	Total/NA	Solid	Moisture	
510-64148-9	6B	Total/NA	Solid	Moisture	
510-64148-8	5B	Total/NA	Solid	Moisture	
510-64148-7	4B	Total/NA	Solid	Moisture	
510-64148-6	3B	Total/NA	Solid	Moisture	
510-64148-5	2B	Total/NA	Solid	Moisture	
510-64148-4	1B	Total/NA	Solid	Moisture	
510-64148-3	3A	Total/NA	Solid	Moisture	
510-64148-19	16B	Total/NA	Solid	Moisture	
510-64148-18	15B	Total/NA	Solid	Moisture	
510-64148-17	14B	Total/NA	Solid	Moisture	
510-64148-16	13B	Total/NA	Solid	Moisture	
Analysis Batch: 79056					
MB 510-79056/1	MB 510-79056/1	Total/NA	Solid	Moisture	Prep Batch
510-64148-1	1A	Total/NA	Solid	Moisture	
510-64148-2	2A	Total/NA	Solid	Moisture	



Lab Chronicle

Client: Weaver Boos Consultants LLC
 Project/Site: South Bend Former Studemaker Foundry

TestAmerica Job ID: 510-64148-1

Client Sample ID: 1A Date Collected: 04/06/11 10:00 Date Received: 04/12/11 15:15
 Matrix: Solid Percent Solids: 96.9

Prep Type	Total/NA	Prep	Method	Run	Dilution	Batch	Number	Or Analyzed	Analyst	Lab
Total/NA	Total/NA	3541	DL	DL	DL	78933	78933	04/14/11 07:56	SNP	TestAmerica Valparaiso
Total/NA	Total/NA	8082	Analysis	DL	DL	79013	79013	04/15/11 16:05	CLI	TestAmerica Valparaiso
Total/NA	Total/NA	Analysis	Moisture			79056	79056	04/16/11 11:51	TLA	TestAmerica Valparaiso

Client Sample ID: 2A Date Collected: 04/06/11 10:15 Date Received: 04/12/11 15:15
 Matrix: Solid Percent Solids: 96.2

Prep Type	Total/NA	Prep	Method	Run	Dilution	Batch	Number	Or Analyzed	Analyst	Lab
Total/NA	Total/NA	3541	DL	DL	DL	78933	78933	04/14/11 07:56	SNP	TestAmerica Valparaiso
Total/NA	Total/NA	8082	Analysis	DL	DL	79013	79013	04/15/11 15:35	CLI	TestAmerica Valparaiso
Total/NA	Total/NA	Analysis	Moisture			79056	79056	04/16/11 11:51	TLA	TestAmerica Valparaiso

Client Sample ID: 3A Date Collected: 04/06/11 10:30 Date Received: 04/12/11 15:15
 Matrix: Solid Percent Solids: 95.1

Prep Type	Total/NA	Prep	Method	Run	Dilution	Batch	Number	Or Analyzed	Analyst	Lab
Total/NA	Total/NA	3541	DL	DL	DL	78933	78933	04/14/11 07:56	SNP	TestAmerica Valparaiso
Total/NA	Total/NA	8082	Analysis	DL	DL	79013	79013	04/15/11 15:50	CLI	TestAmerica Valparaiso
Total/NA	Total/NA	Analysis	Moisture			79053	79053	04/16/11 10:41	TLA	TestAmerica Valparaiso

Client Sample ID: 1B Date Collected: 04/06/11 10:45 Date Received: 04/12/11 15:15
 Matrix: Solid Percent Solids: 95.1

Prep Type	Total/NA	Prep	Method	Run	Dilution	Batch	Number	Or Analyzed	Analyst	Lab
Total/NA	Total/NA	3541	DL	DL	DL	78933	78933	04/14/11 07:56	SNP	TestAmerica Valparaiso
Total/NA	Total/NA	8082	Analysis	DL	DL	79013	79013	04/15/11 14:59	CLI	TestAmerica Valparaiso
Total/NA	Total/NA	Analysis	Moisture			79053	79053	04/16/11 10:41	TLA	TestAmerica Valparaiso

Client Sample ID: 2B Date Collected: 04/06/11 11:00 Date Received: 04/12/11 15:15
 Matrix: Solid Percent Solids: 94.7

Prep Type	Total/NA	Prep	Method	Run	Dilution	Batch	Number	Or Analyzed	Analyst	Lab
Total/NA	Total/NA	3541	DL	DL	DL	78933	78933	04/14/11 07:56	SNP	TestAmerica Valparaiso
Total/NA	Total/NA	8082	Analysis	DL	DL	79092	79092	04/18/11 11:20	CLI	TestAmerica Valparaiso
Total/NA	Total/NA	Analysis	Moisture			79053	79053	04/16/11 10:41	TLA	TestAmerica Valparaiso



Lab Chronicle

Client: Weaver Boos Consultants LLC
 Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-64148-1

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Client Sample ID: 3B Date Collected: 04/06/11 11:15 Date Received: 04/12/11 15:15
 Lab Sample ID: 510-64148-6 Matrix: Solid Percent Solids: 96.5

Prep Type	Batch	Batch	Run	Dilution	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL2		78933	04/14/11 07:56	SNP	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL2	100	79092	04/18/11 11:50	CLI	TestAmerica Valparaiso
Total/NA	Analysis	8082			79053	04/16/11 10:41	TLA	TestAmerica Valparaiso

Client Sample ID: 4B Date Collected: 04/06/11 11:30 Date Received: 04/12/11 15:15
 Lab Sample ID: 510-64148-7 Matrix: Solid Percent Solids: 96.1

Prep Type	Batch	Batch	Run	Dilution	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL2		78933	04/14/11 07:56	SNP	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL2	100	79092	04/18/11 11:50	CLI	TestAmerica Valparaiso
Total/NA	Analysis	8082			79053	04/16/11 10:41	TLA	TestAmerica Valparaiso

Client Sample ID: 5B Date Collected: 04/06/11 11:45 Date Received: 04/12/11 15:15
 Lab Sample ID: 510-64148-8 Matrix: Solid Percent Solids: 95.9

Prep Type	Batch	Batch	Run	Dilution	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL2		78933	04/14/11 07:56	SNP	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL2	500	79092	04/18/11 12:05	CLI	TestAmerica Valparaiso
Total/NA	Analysis	8082			79053	04/16/11 10:41	TLA	TestAmerica Valparaiso

Client Sample ID: 6B Date Collected: 04/06/11 12:00 Date Received: 04/12/11 15:15
 Lab Sample ID: 510-64148-9 Matrix: Solid Percent Solids: 93.8

Prep Type	Batch	Batch	Run	Dilution	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL2		78933	04/14/11 07:56	SNP	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL2	200	79092	04/18/11 12:20	CLI	TestAmerica Valparaiso
Total/NA	Analysis	8082			79053	04/16/11 10:41	TLA	TestAmerica Valparaiso

Client Sample ID: 7B Date Collected: 04/06/11 12:15 Date Received: 04/12/11 15:15
 Lab Sample ID: 510-64148-10 Matrix: Solid Percent Solids: 95.0

Prep Type	Batch	Batch	Run	Dilution	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL2		78933	04/14/11 07:56	SNP	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL2	500	79092	04/18/11 12:35	CLI	TestAmerica Valparaiso
Total/NA	Analysis	8082			79053	04/16/11 10:41	TLA	TestAmerica Valparaiso

TestAmerica Valparaiso

Lab Chronicle

Client: Weaver Boos Consultants LLC
 Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-64148-1

Client Sample ID: 8B Date Collected: 04/06/11 12:30 Date Received: 04/12/11 15:15
 Matrix: Solid Percent Solids: 95.6

Prep Type	Total/NA	Type	Batch	Method	Run	Dilution	Number	Or Analyzed	Analyst	Lab
Total/NA	Total/NA	Prep	3541	DL2	DL2		78933	04/14/11 07:56	SNP	TestAmerica Valparaiso
Total/NA	Total/NA	Analysis	8082	DL2	DL2	100	79092	04/18/11 12:50	CLI	TestAmerica Valparaiso
Total/NA	Total/NA	Analysis	Moisture				79053	04/16/11 10:41	TLA	TestAmerica Valparaiso

Client Sample ID: 9B Date Collected: 04/06/11 12:45 Date Received: 04/12/11 15:15
 Matrix: Solid Percent Solids: 96.2

Prep Type	Total/NA	Type	Batch	Method	Run	Dilution	Number	Or Analyzed	Analyst	Lab
Total/NA	Total/NA	Prep	3541	DL3	DL3		78933	04/14/11 10:37	SNP	TestAmerica Valparaiso
Total/NA	Total/NA	Analysis	8082	DL3	DL3	5000	79092	04/18/11 15:03	CLI	TestAmerica Valparaiso
Total/NA	Total/NA	Analysis	Moisture				79053	04/16/11 10:41	TLA	TestAmerica Valparaiso

Client Sample ID: 10B Date Collected: 04/06/11 13:00 Date Received: 04/12/11 15:15
 Matrix: Solid Percent Solids: 94.3

Prep Type	Total/NA	Type	Batch	Method	Run	Dilution	Number	Or Analyzed	Analyst	Lab
Total/NA	Total/NA	Prep	3541	DL	DL		78933	04/14/11 10:37	SNP	TestAmerica Valparaiso
Total/NA	Total/NA	Analysis	8082	DL	DL	10	79013	04/15/11 18:21	CLI	TestAmerica Valparaiso
Total/NA	Total/NA	Analysis	Moisture				79053	04/16/11 10:41	TLA	TestAmerica Valparaiso

Client Sample ID: 11B Date Collected: 04/06/11 13:15 Date Received: 04/12/11 15:15
 Matrix: Solid Percent Solids: 96.6

Prep Type	Total/NA	Type	Batch	Method	Run	Dilution	Number	Or Analyzed	Analyst	Lab
Total/NA	Total/NA	Prep	3541	DL3	DL3		78933	04/14/11 10:37	SNP	TestAmerica Valparaiso
Total/NA	Total/NA	Analysis	8082	DL3	DL3	2000	79092	04/18/11 15:18	CLI	TestAmerica Valparaiso
Total/NA	Total/NA	Analysis	Moisture				79053	04/16/11 10:41	TLA	TestAmerica Valparaiso

Client Sample ID: 12B Date Collected: 04/06/11 13:30 Date Received: 04/12/11 15:15
 Matrix: Solid Percent Solids: 93.9

Prep Type	Total/NA	Type	Batch	Method	Run	Dilution	Number	Or Analyzed	Analyst	Lab
Total/NA	Total/NA	Prep	3541	DL2	DL2		78933	04/14/11 10:37	SNP	TestAmerica Valparaiso
Total/NA	Total/NA	Analysis	8082	DL2	DL2	500	79092	04/18/11 13:35	CLI	TestAmerica Valparaiso
Total/NA	Total/NA	Analysis	Moisture				79053	04/16/11 10:41	TLA	TestAmerica Valparaiso



Lab Chronicle

Client: Weaver Boos Consultants LLC
 Project/Site: South Bend Former Studdebaker Foundry

TestAmerica Job ID: 510-64148-1

Client Sample ID: 13B
 Date Collected: 04/06/11 13:45
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 96.4

Prep Type	Batch	Batch	Run	Dilution	Batch	Or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL3		78933	04/14/11 10:37	SNP	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL3	5000	79092	04/18/11 15:33	CLI	TestAmerica Valparaiso
Total/NA	Analysis	Moisture			79053	04/16/11 10:41	TLA	TestAmerica Valparaiso

Client Sample ID: 14B
 Date Collected: 04/06/11 14:00
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 94.5

Prep Type	Batch	Batch	Run	Dilution	Batch	Or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL		79020	04/15/11 10:52	SNP	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL	50	79155	04/19/11 11:21	CLI	TestAmerica Valparaiso
Total/NA	Analysis	Moisture			79053	04/16/11 10:41	TLA	TestAmerica Valparaiso

Client Sample ID: 15B
 Date Collected: 04/06/11 14:15
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 93.8

Prep Type	Batch	Batch	Run	Dilution	Batch	Or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL		79020	04/15/11 10:52	SNP	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL	20	79155	04/19/11 12:06	CLI	TestAmerica Valparaiso
Total/NA	Analysis	Moisture			79053	04/16/11 10:41	TLA	TestAmerica Valparaiso

Client Sample ID: 16B
 Date Collected: 04/06/11 14:30
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 95.5

Prep Type	Batch	Batch	Run	Dilution	Batch	Or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL		79020	04/15/11 10:52	SNP	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL	1000	79155	04/19/11 12:21	CLI	TestAmerica Valparaiso
Total/NA	Analysis	Moisture			79053	04/16/11 10:41	TLA	TestAmerica Valparaiso

Client Sample ID: 17B
 Date Collected: 04/06/11 14:45
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 95.3

Prep Type	Batch	Batch	Run	Dilution	Batch	Or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL		79020	04/15/11 10:52	SNP	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL	200	79155	04/19/11 12:36	CLI	TestAmerica Valparaiso
Total/NA	Analysis	Moisture			78988	04/14/11 16:44	TLA	TestAmerica Valparaiso



Lab Chronicle

Client: Weaver Boos Consultants LLC
 Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-64148-1

Client Sample ID: 1C Date Collected: 04/06/11 15:00 Date Received: 04/12/11 15:15
 Matrix: Solid Percent Solids: 94.9

Prep Type	Batch	Batch	Run	Dilution	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL2		79020	04/15/11 10:52	SNP	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL2	25000	79155	04/19/11 15:56	CLI	TestAmerica Valparaiso
Total/NA	Analysis	Moisture		1	78988	04/14/11 16:44	TLA	TestAmerica Valparaiso

Client Sample ID: 2C Date Collected: 04/06/11 15:10 Date Received: 04/12/11 15:15
 Matrix: Solid Percent Solids: 95.2

Prep Type	Batch	Batch	Run	Dilution	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL		79020	04/15/11 10:52	SNP	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL	5000	79155	04/19/11 13:15	CLI	TestAmerica Valparaiso
Total/NA	Analysis	Moisture		1	78988	04/14/11 16:44	TLA	TestAmerica Valparaiso

Client Sample ID: 3C Date Collected: 04/06/11 15:20 Date Received: 04/12/11 15:15
 Matrix: Solid Percent Solids: 95.4

Prep Type	Batch	Batch	Run	Dilution	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL		79020	04/15/11 10:52	SNP	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL	500	79155	04/19/11 13:45	CLI	TestAmerica Valparaiso
Total/NA	Analysis	Moisture		1	78988	04/14/11 16:44	TLA	TestAmerica Valparaiso

Client Sample ID: 4C Date Collected: 04/06/11 15:30 Date Received: 04/12/11 15:15
 Matrix: Solid Percent Solids: 95.9

Prep Type	Batch	Batch	Run	Dilution	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL2		79020	04/15/11 10:52	SNP	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL2	25000	79155	04/19/11 16:11	CLI	TestAmerica Valparaiso
Total/NA	Analysis	Moisture		1	78988	04/14/11 16:44	TLA	TestAmerica Valparaiso

Client Sample ID: 5C Date Collected: 04/06/11 15:40 Date Received: 04/12/11 15:15
 Matrix: Solid Percent Solids: 95.0

Prep Type	Batch	Batch	Run	Dilution	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL		79020	04/15/11 10:52	SNP	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL	50	79155	04/19/11 14:25	CLI	TestAmerica Valparaiso
Total/NA	Analysis	Moisture		1	78988	04/14/11 16:44	TLA	TestAmerica Valparaiso



Lab Chronicle

Client: Weaver Boos Consultants LLC
 Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-64148-1

Client Sample ID: 6C
 Date Collected: 04/06/11 15:50
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 96.5

Prep Type	Batch	Batch	Run	Dilution	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL		79020	04/15/11 10:52	SNP	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL	50	79155	04/19/11 14:40	CLI	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL	1	78988	04/14/11 16:44	TLA	TestAmerica Valparaiso

Client Sample ID: 7C
 Date Collected: 04/06/11 16:00
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 95.6

Prep Type	Batch	Batch	Run	Dilution	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL2		79020	04/15/11 10:52	SNP	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL2	1000	79231	04/20/11 11:10	CLI	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL	1	78988	04/14/11 16:44	TLA	TestAmerica Valparaiso

Client Sample ID: 8C
 Date Collected: 04/06/11 16:10
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 96.5

Prep Type	Batch	Batch	Run	Dilution	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL2		79020	04/15/11 10:52	SNP	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL2	1000	79231	04/20/11 11:25	CLI	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL	1	78988	04/14/11 16:44	TLA	TestAmerica Valparaiso

Client Sample ID: 9C
 Date Collected: 04/06/11 16:20
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 95.7

Prep Type	Batch	Batch	Run	Dilution	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL		79020	04/15/11 10:52	SNP	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL	500	79155	04/19/11 15:25	CLI	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL	1	78988	04/14/11 16:44	TLA	TestAmerica Valparaiso

Client Sample ID: 10C
 Date Collected: 04/06/11 16:30
 Date Received: 04/12/11 15:15
 Matrix: Solid
 Percent Solids: 95.3

Prep Type	Batch	Batch	Run	Dilution	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL2		79020	04/15/11 10:52	SNP	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL2	5000	79231	04/20/11 11:40	CLI	TestAmerica Valparaiso
Total/NA	Analysis	8082	DL2	1	78988	04/14/11 16:44	TLA	TestAmerica Valparaiso



Certification Summary

TestAmerica Job ID: 510-64148-1

Client: Weaver Boos Consultants LLC
 Project/Site: South Bend Former Studebaker Foundry

Authority	Program	EPA Region	Certification ID
TestAmerica Valparaiso	USDA		P330-11-00073
TestAmerica Valparaiso	NELAC	5	200065
TestAmerica Valparaiso	State Program	5	M-64-4
TestAmerica Valparaiso	State Program	5	C-64-01
TestAmerica Valparaiso	Kentucky UST	4	57
TestAmerica Valparaiso	NELAC	1	2837
TestAmerica Valparaiso	State Program	10	C842

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



Method Summary

Client: Weaver Boos Consultants LLC

Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-64148-1

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

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 VAL = TestAmerica Valparaiso, 2400 Cumberland Drive, Valparaiso, IN 46383, TEL (219)464-2389



Sample Summary

Client: Weaver Boos Consultants LLC

Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-64148-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
510-64148-1	1A	Solid	04/06/11 10:00	04/12/11 15:15
510-64148-2	2A	Solid	04/06/11 10:15	04/12/11 15:15
510-64148-3	3A	Solid	04/06/11 10:30	04/12/11 15:15
510-64148-4	1B	Solid	04/06/11 10:45	04/12/11 15:15
510-64148-5	2B	Solid	04/06/11 11:00	04/12/11 15:15
510-64148-6	3B	Solid	04/06/11 11:15	04/12/11 15:15
510-64148-7	4B	Solid	04/06/11 11:30	04/12/11 15:15
510-64148-8	5B	Solid	04/06/11 11:45	04/12/11 15:15
510-64148-9	6B	Solid	04/06/11 12:00	04/12/11 15:15
510-64148-10	7B	Solid	04/06/11 12:15	04/12/11 15:15
510-64148-11	8B	Solid	04/06/11 12:30	04/12/11 15:15
510-64148-12	9B	Solid	04/06/11 12:45	04/12/11 15:15
510-64148-13	10B	Solid	04/06/11 13:00	04/12/11 15:15
510-64148-14	11B	Solid	04/06/11 13:15	04/12/11 15:15
510-64148-15	12B	Solid	04/06/11 13:30	04/12/11 15:15
510-64148-16	13B	Solid	04/06/11 13:45	04/12/11 15:15
510-64148-17	14B	Solid	04/06/11 14:00	04/12/11 15:15
510-64148-18	15B	Solid	04/06/11 14:15	04/12/11 15:15
510-64148-19	16B	Solid	04/06/11 14:30	04/12/11 15:15
510-64148-20	17B	Solid	04/06/11 14:45	04/12/11 15:15
510-64148-21	1C	Solid	04/06/11 15:00	04/12/11 15:15
510-64148-22	2C	Solid	04/06/11 15:10	04/12/11 15:15
510-64148-23	3C	Solid	04/06/11 15:20	04/12/11 15:15
510-64148-24	4C	Solid	04/06/11 15:30	04/12/11 15:15
510-64148-25	5C	Solid	04/06/11 15:40	04/12/11 15:15
510-64148-26	6C	Solid	04/06/11 15:50	04/12/11 15:15
510-64148-27	7C	Solid	04/06/11 16:00	04/12/11 15:15
510-64148-28	8C	Solid	04/06/11 16:10	04/12/11 15:15
510-64148-29	9C	Solid	04/06/11 16:20	04/12/11 15:15
510-64148-30	10C	Solid	04/06/11 16:30	04/12/11 15:15



LogIn Sample Receipt Checklist

Client: Weaver Boos Consultants LLC

Job Number: 510-64148-1

LogIn Number: 64148

List Source: TestAmerica Valparaiso

List Number: 1

Creator: Looney, Christina M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

