TETRA TECH

June 10, 2014

Mr. Steve Spurlin
On-Scene Coordinator (OSC)
U.S. Environmental Protection Agency (EPA), Region 4
61 Forsyth Street, SW, 11th Floor
Atlanta, Georgia 30303

Subject: **June 4 and 5, 2012 Sampling Trip Report**
Waynesboro City Landfill
Waynesboro, Wayne County, Tennessee
Contract Number (No.) EP-W-05-054
TDD No. TTEMI-05-003-0131

Dear Mr. Spurlin:

The Tetra Tech Superfund Technical Assessment and Response Team (START) is submitting this trip report summarizing activities conducted on June 4 and 5, 2012 at the Waynesboro City Landfill (WCL) in Waynesboro, Wayne County, Tennessee. This report includes three enclosures. Enclosure 1 contains a figure illustrating the sampling locations. Enclosure 2 contains a table summarizing the samples collected. Enclosure 3 contains the analytical data package.

EXECUTIVE SUMMARY

EPA and Tennessee Department of Environment and Conservation (TDEC) personnel returned to the Waynesboro City Landfill on June 4, 2012 to continue removal investigation sampling activities. The purpose of this round of sampling was to further delineate the polychlorinated biphenyl (PCB) surface contamination in Beech Creek, specifically focused on the natural depositional areas of the creek bed, the creek banks, and the adjacent flood plain. Additional landfill samples were also collected to determine if PCB contamination is present outside the concrete channels that form the border of the landfill cap. Results for the samples collected along the eastern perimeter of the landfill cap showed PCB concentrations were below the EPA April 2012 residential removal management level (RML) of 22 milligrams per kilogram (mg/kg), but exceeding the EPA April 2012 regional screening level (RSL) of 0.22 mg/kg. Beech Creek sediment and surface soil sample results showed PCB concentrations were above the EPA RML at 11 locations, all within the first half mile, ranging from 26 mg/kg to 160 mg/kg. PCBs were not detected in the background sediment sample collected at location WCLBC23 on a tributary of Beech Creek about 0.5 miles from the toe of the landfill.

SITE BACKGROUND

The WCL covers an area of approximately 6 acres along the north side of Clifton Turnpike near the middle of Wayne County. The coordinates for the site (as measured from the approximate center of the WCL) are latitude 35.324348 degrees north and longitude 87.784248 degrees west. The headwaters of Beech Creek begin on the northern end of the WCL. Old Beech Creek Road lies east of WCL. Clifton Turnpike forms the southern boundary of the WCL. Forest land borders the WCL to the west. Site features include concrete hydraulic diversion channels (ditches) along the east and west edges of the WCL. These ditches divert runoff from the surrounding ridges away from the WCL and into Beech Creek (as run-on control).

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A fenced settling pond collects surface runoff at the toe (northern end) of the WCL (as runoff control). A fence along the southern edge of the WCL separates it from Clifton Turnpike.

The WCL began as an uncontrolled roadside dump in the late 1930s. During the 1960s and 1970s, Mallory disposed of large quantities of industrial wastes at the WCL. It is believed the waste included PCB-impregnated capacitors, and other electrical equipment and waste materials containing PCBs. TDEC file documents indicate that the W.J. Schoenberger Company, a subsidiary of Aurora Corporation (formerly Allied Products Corporations) disposed of industrial wastes that contained cutting oils and substantial quantities of trichloroethene (TCE) at the dump from 1970 to 1972.

On March 10, 1982, The United States District Court issued to the responsible parties a Consent Decree that outlined specific directives for the closure, maintenance, and long-term monitoring at the WCL site. In 1984, the TDEC Division of Solid Waste Management awarded a contract to Soil and Material Engineers (SME) for monitoring well installation and groundwater sampling at the WCL site. From 1985 to 1986, SME conducted an 18-month monitoring study of the WCL site, which included quarterly sampling of groundwater at nine locations and biannual sampling of surface water and sediment at five locations along Beech Creek, from the site to the Tennessee River. Sample analyses showed detections of PCBs in Beech Creek water and sediment. From 1987 to 2010, TDEC conducted multiple sampling and site reconnaissance events at the WCL site, during which groundwater, surface water, fish tissue, and sediment samples were collected to determine the extent of PCB contamination in Beech Creek.

In August 2011, Tetra Tech START, on behalf of EPA, conducted a removal investigation at the WCL site. Soil samples were collected from seven residential properties and sediment samples were collected from ten locations along Beech Creek. A drinking water sample also was collected from one of the residential properties. In addition, surface water and sediment samples were collected from the WCL settling pond and at the toe of the WCL. Surface soil samples collected from four residential properties contained PCBs between the EPA residential RSL and residential removal action level (RAL), hereinafter referred to as removal management level (RML). PCBs were detected above the EPA residential RML in sediment samples collected from six locations within a quarter mile of the WCL settling pond. No PCBs were detected in the drinking water or surface water samples.

JUNE 4 AND 5, 2012 SOIL AND SEDIMENT SAMPLING ACTIVITIES

On June 4, 2012, EPA OSC Steve Spurlin, Tetra Tech START, and TDEC personnel met on site to collect surface soil samples from the perimeter of the WCL, and collect sediment samples from Beech Creek. Sampling outside the concrete channels at the landfill revealed whether contaminated soil was present outside the extent of the landfill cap. Sediment samples collected from natural depositional areas of the creek bed, the creek banks, and the adjacent flood plain revealed a more complete picture of the PCB contamination in Beech Creek.

Tetra Tech collected composite surface soil (0 to 6 inches below ground surface [bgs]) samples at five locations from the 10-foot corridor between the concrete channels surrounding the WCL and the fenceline. Tetra Tech collected composite sediment samples at 15 locations from depositional areas along Beech Creek and from a tributary of Beech Creek to represent background. In addition to the samples Tetra Tech collected, TDEC collected sediment samples at 6 locations and surface soil samples at 12 locations labeled ER01 through ER13 (ER04 was not collected) along Beech Creek. See Figure 1 in Enclosure 1 for the EPA and TDEC sampling locations and Table 1 in Enclosure 2 for a summary of the EPA samples collected. All soil and sediment samples were collected in accordance with the EPA Region 4 Science and

Ecosystem Division (SESD) Field Branches Quality System and Technical Procedures (FBQSTP) and the final QAPP dated May 31, 2012.

All EPA and TDEC samples were submitted to the EPA SESD Regional Laboratory in Athens, Georgia. Samples were analyzed for PCBs using EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846) Method 8082A. Data validation of the analytical data packages was conducted by the EPA SESD Office of Quality Assurance. Data validation was conducted in accordance with EPA SW-846 Method 8082A and the SESD Analytical Support Branch Laboratory Operations and Quality Assurance Manual. Tetra Tech conducted a review of the field quality control (QC) results and a cursory review of the data packages against the chain-of-custody records to ensure that results for all samples were received. The analytical data packages as received from the laboratory and the Tetra Tech field QC review are contained in Enclosure 3.

Tetra Tech START and TDEC completed soil and sediment sampling activities on June 5, 2012 and demobilized the same day.

ANALYTICAL RESULTS

This discussion of the June 4, 2012 analytical results includes EPA and TDEC samples. Total PCB analytical results for soil and sediment samples were compared to the EPA residential RSL of 0.22 mg/kg and the EPA residential RML of 22 mg/kg.

Location/Matrix	Samples Collected	PCBs exceeded RSL (0.22 mg/kg) [# of samples]	PCBs exceeded RML (22 mg/kg) [# of samples]
Background/ Sediment	1	No [0]	No [0]
Landfill/ Surface Soil	5	Yes [3]	No [0]
0 to 0.5 Miles/ Surface Soil	7	Yes [4]	Yes [3]
0 to 0.5 Miles/ Sediment	15	Yes [3]	Yes [10]
0.5 to 1.5 Miles/ Surface Soil	7	Yes [7]	No [0]
0.5 to 1.5 Miles/ Sediment	7	Yes [7]	No [0]

The three composite surface soil samples collected between the concrete channel and the fenceline along the eastern side of the WCL contained total PCBs at concentrations ranging from 8.3 mg/kg to 10 mg/kg, which exceed the EPA residential RSL, but not the EPA residential RML. Two composite surface soil samples collected between the concrete channel and the fenceline along the western side contained PCBs below the EPA RSL.

One composite background sediment sample (WCLBC23) was collected from a tributary of Beech Creek. PCBs were not detected in the background sediment sample.

0 to 0.5 mile of Beech Creek

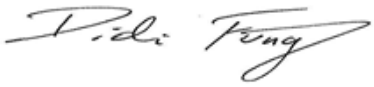
Within the first half-mile of Beech Creek, seven composite surface soil (including one duplicate) and 15 composite sediment (including one duplicate) samples were collected. Three surface soil samples contained PCBs at concentrations (ranging from 31 mg/kg to 55 mg/kg) exceeding the EPA residential RML. Four surface soil samples contained PCBs at concentrations (ranging from 4.6 mg/kg to 19 mg/kg) exceeding the EPA residential RSL, but not the EPA residential RML. Ten sediment samples contained PCBs at concentrations (ranging from 26 mg/kg to 160 mg/kg) exceeding the EPA residential RML. Three sediment samples contained PCBs at concentrations (ranging from 0.22 mg/kg to 6.9 mg/kg) exceeding the EPA residential RSL, but not the EPA residential RML.

Between 0.5 and 1.5 miles of Beech Creek

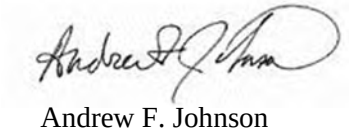
Seven composite surface soil (including one duplicate) and seven composite sediment samples were collected between 0.5 mile and 1.5 miles of Beech Creek. All seven surface soil samples contained PCBs at concentrations (ranging from 0.55 mg/kg to 2 mg/kg) exceeding the EPA residential RSL, but not the EPA residential RML. All seven sediment samples also contained PCBs at concentrations (ranging from 0.3 mg/kg to 3.2 mg/kg) exceeding the EPA residential RSL, but not the EPA residential RML.

If you have any questions or need additional copies of this June 4 and 5, 2012 sampling trip report, please contact me, Didi Fung, at (678) 775-3095 or Sandra Harrigan at (678) 775-3088.

Sincerely,



Yuen-Chang (Didi) Fung
START III Site Manager



Andrew F. Johnson
START III Program Manager

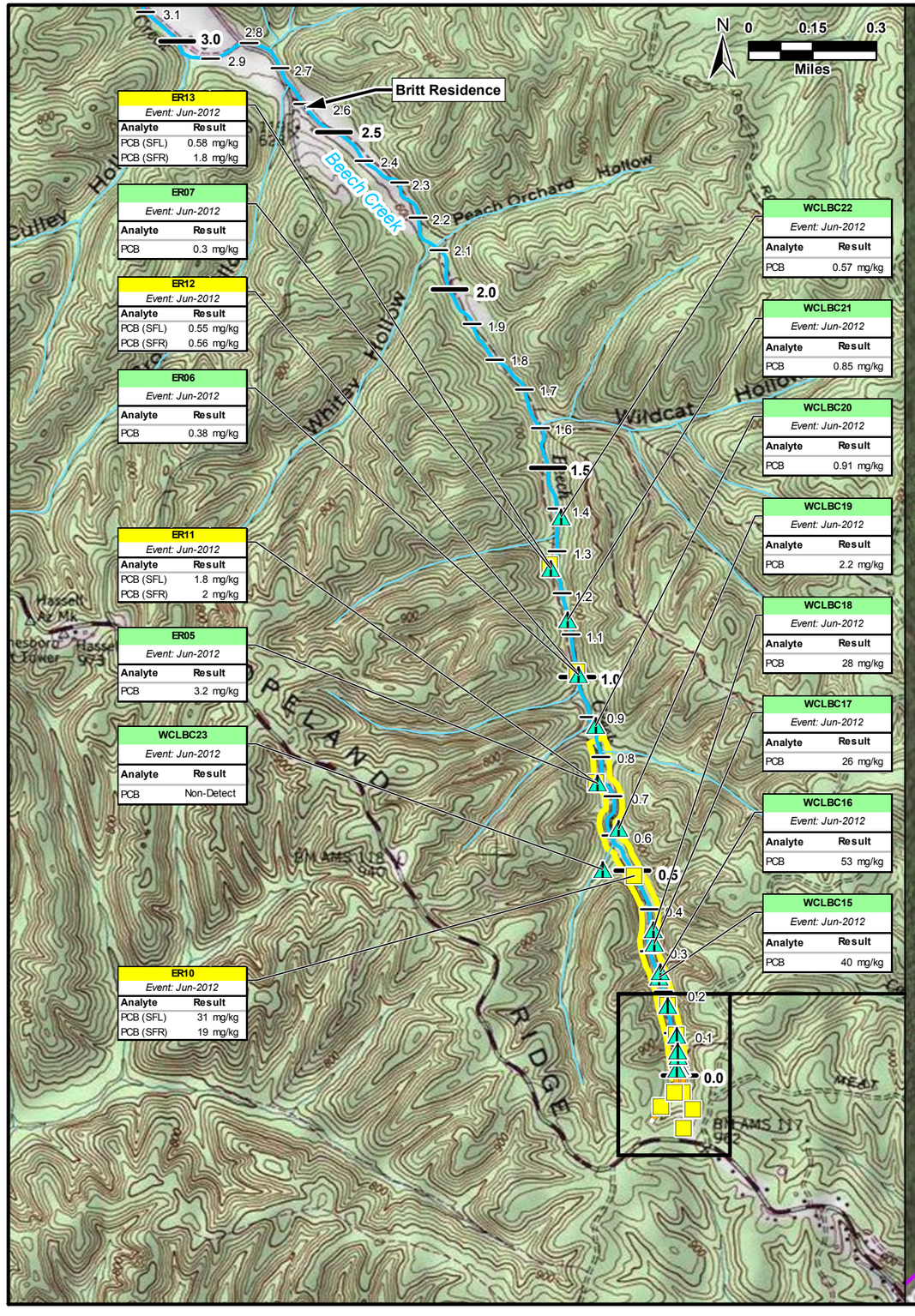
Enclosures (3)

cc: Katrina Jones, EPA Project Officer
Angel Reed, START III Document Control Coordinator

ENCLOSURE 1

FIGURE

(One Page)



ER13
Event: Jun-2012

Analyte	Result
PCB (SFL)	0.58 mg/kg
PCB (SFR)	1.8 mg/kg

ER07
Event: Jun-2012

Analyte	Result
PCB	0.3 mg/kg

ER12
Event: Jun-2012

Analyte	Result
PCB (SFL)	0.55 mg/kg
PCB (SFR)	0.56 mg/kg

ER06
Event: Jun-2012

Analyte	Result
PCB	0.38 mg/kg

ER11
Event: Jun-2012

Analyte	Result
PCB (SFL)	1.8 mg/kg
PCB (SFR)	2 mg/kg

ER05
Event: Jun-2012

Analyte	Result
PCB	3.2 mg/kg

WCLBC23
Event: Jun-2012

Analyte	Result
PCB	Non-Detect

ER10
Event: Jun-2012

Analyte	Result
PCB (SFL)	31 mg/kg
PCB (SFR)	19 mg/kg

WCLBC22
Event: Jun-2012

Analyte	Result
PCB	0.57 mg/kg

WCLBC21
Event: Jun-2012

Analyte	Result
PCB	0.85 mg/kg

WCLBC20
Event: Jun-2012

Analyte	Result
PCB	0.91 mg/kg

WCLBC19
Event: Jun-2012

Analyte	Result
PCB	2.2 mg/kg

WCLBC18
Event: Jun-2012

Analyte	Result
PCB	28 mg/kg

WCLBC17
Event: Jun-2012

Analyte	Result
PCB	26 mg/kg

WCLBC16
Event: Jun-2012

Analyte	Result
PCB	53 mg/kg

WCLBC15
Event: Jun-2012

Analyte	Result
PCB	40 mg/kg

ER03
Event: Jun-2012

Analyte	Result
PCB	40 mg/kg

ER02
Event: Jun-2012

Analyte	Result
PCB	160 mg/kg

ER08
Event: Jun-2012

Analyte	Result
PCB (SFL)	31 mg/kg
PCB (SFR)	55 mg/kg

WCLBC14
Event: Jun-2012

Analyte	Result
PCB	110 mg/kg

ER01
Event: Jun-2012

Analyte	Result
PCB	120 mg/kg

WCLBC11
Event: Jun-2012

Analyte	Result
PCB	6.9 mg/kg

WCLBC12
Event: Jun-2012

Analyte	Result
PCB	0.17 mg/kg

WCL15
Event: Jun-2012

Analyte	Result
PCB	Non-Detect

WCL14
Event: Jun-2012

Analyte	Result
PCB	0.036 mg/kg

ER09
Event: Jun-2012

Analyte	Result
PCB (SFL)	4.6 mg/kg
PCB (SFR)	11 mg/kg

WCLBC13
Event: Jun-2012

Analyte	Result
PCB	45 mg/kg

WCLBC10
Event: Jun-2012

Analyte	Result
PCB	0.22 mg/kg

WCLBC09
Event: Jun-2012

Analyte	Result
PCB	Non-Detect

WCL11
Event: Jun-2012

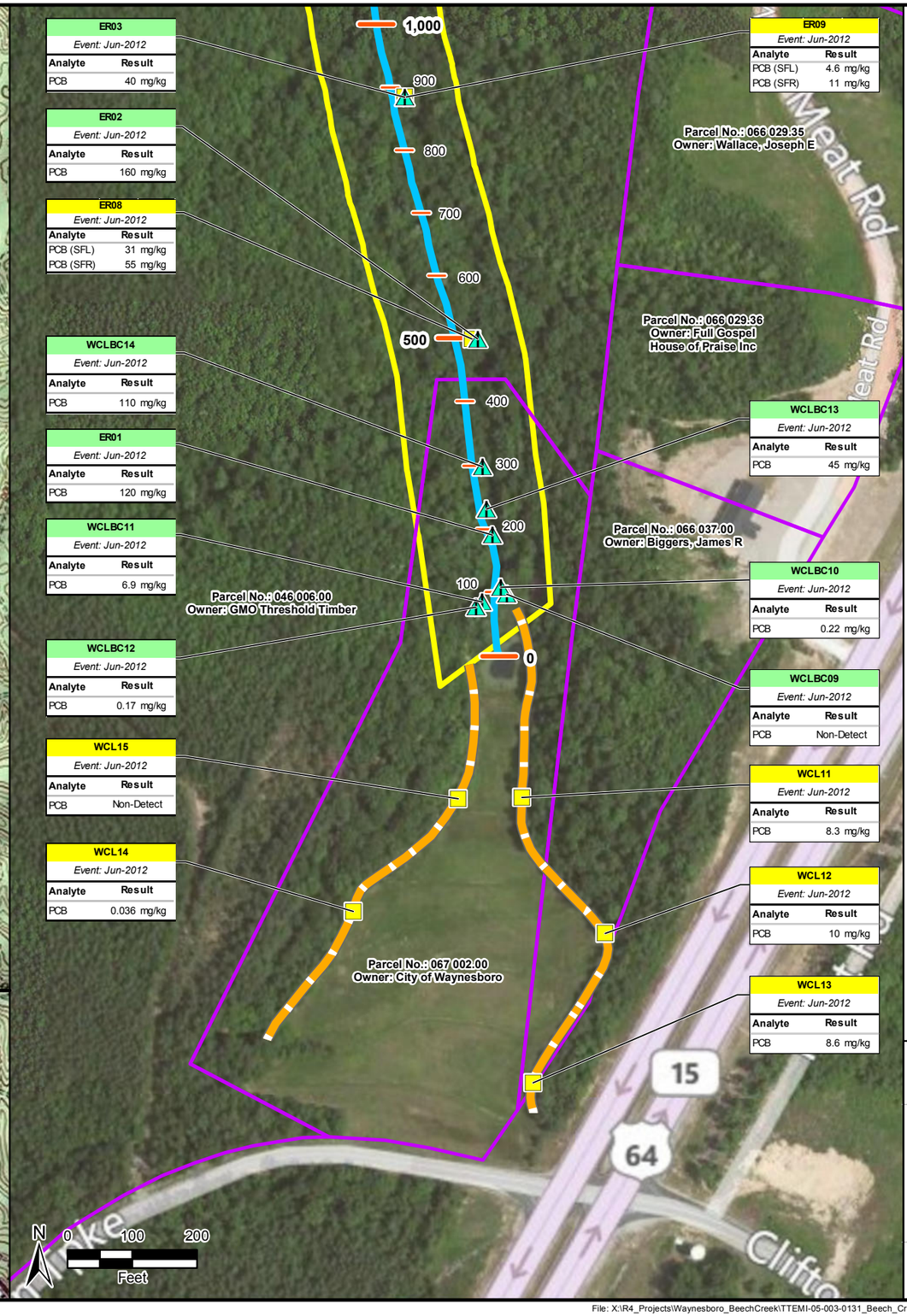
Analyte	Result
PCB	8.3 mg/kg

WCL12
Event: Jun-2012

Analyte	Result
PCB	10 mg/kg

WCL13
Event: Jun-2012

Analyte	Result
PCB	8.6 mg/kg



Legend

Sample Location by Type

- Sediment
- Surface Soil
- BeechCreek
- Beech Creek Feet Marker
- Beech Creek Mile Marker
- Landfill Concrete Channel
- Stream / River
- Approximate Site Boundary
- Parcel Boundary

Notes:

mg/kg	Milligrams per kilogram
ER	Erosional reach
PCB	Polychlorinated biphenyl
SFL	Surface soil left bank
SFR	Surface soil right bank
WCL	Waynesboro City Landfill
WCLBC	Waynesboro City Landfill Beech Creek

- PCB results are reported as total PCBs, not PCB aroclors.
- The higher result is reported, when sample duplicates were collected.

Map Source:
ESRI Data Maps, USA Topo Maps, 2012;
ESRI Data Maps, Bings Maps Hybrid, 2012

United States Environmental Protection Agency Region 4

FIGURE 1
June 4, 2012
PCB Sediment and Soil Analytical Results

TDD Name: Waynesboro City Landfill
TDD No.: TTEMI-05-003-0131

City:	County:	State:
Waynesboro	Wayne	Tennessee

TETRA TECH

Date: 3/11/2013
Analyst: gustavo.orozco

File: X:\R4_Projects\Waynesboro_BeechCreek\TTEMI-05-003-0131_Beech_Creek\GIS\MXDs\Sample_Results_Maps\SampleResults_June2012.mxd

ENCLOSURE 2

JUNE 4 AND 5, 2012 SAMPLE SUMMARY TABLE

(Two Pages)

TABLE 1
WAYNESBORO CITY LANDFILL
JUNE 4 AND 5, 2012 SAMPLING EVENT

Station ID	Sample ID	Sample Date	Sample Description	Sample Type	Depth (inches)	Remarks	Latitude	Longitude
Soil Samples								
WCL11	WCL-SS-11 WCL-SS-11DUP	6/4/2012	Light brown clay, sand, silt	Comp, 6-point	0 to 6	Zig-zag pattern along 10-foot corridor between concrete channel and fenceline, alternating high and low (elevation) aliquots	35.32535735	-87.78379883
WCL12	WCL-SS-12	6/4/2012	Light brown clay, sand, silt	Comp, 6-point	0 to 6	Zig-zag pattern along 10-foot corridor between concrete channel and fenceline, alternating high and low (elevation) aliquots	35.32478362	-87.783362
WCL13	WCL-SS-13	6/4/2012	Brown clay sand	Comp, 6-point	0 to 6	Zig-zag pattern along 10-foot corridor between concrete channel and fenceline, alternating high and low (elevation) aliquots	35.32414672	-87.78373058
WCL14	WCL-SS-14	6/4/2012	Brown clay sand	Comp, 6-point	0 to 6	Zig-zag pattern along 10-foot corridor between concrete channel and fenceline, alternating high and low (elevation) aliquots	35.32486787	-87.78466731
WCL15	WCL-SS-15	6/4/2012	Light brown clay sand	Comp, 6-point	0 to 6	Zig-zag pattern along 10-foot corridor between concrete channel and fenceline, alternating high and low (elevation) aliquots	35.32534942	-87.78412753
Sediment Samples								
WCLBC09	WCL-BC-SD-09	6/4/2012	Brown/orange clay	Comp, 5-point	0 to 3	Sediment in erosion channel at northeastern corner of landfill toe	35.32622055	-87.78388552
WCLBC10	WCL-BC-SD-10	6/4/2012	Orange clay rock	Comp, 3-point	0 to 3	Sediment sample 15 feet downstream from WCLBC09 in the same channel	35.32624815	-87.7839183
WCLBC11	WCL-BC-SD-11 WCL-BC-SD-11DUP	6/4/2012	Dark brown clay silt	Comp, 5-point	0 to 3	Sediment composite extending 20 feet from erosion channel in middle of landfill toe up to overflow bank	35.32618673	-87.78401218
WCLBC12	WCL-BC-SD-12	6/4/2012	Dark brown clay silt	Comp, 5-point	0 to 3	Sediment sample along channel outflow norht of fenceline and running 20 feet down channel	35.3261646	-87.78404494
WCLBC13	WCL-BC-SD-13	6/5/2012	Light brown/moist rock, sand, silt	Comp, 5-point	0 to 3	In creek, extending 10 feet short of outlet and 10 feet short of WCLBC14	35.32657926	-87.78399467
WCLBC14	WCL-BC-SD-14	6/5/2012	Dark brown/moist sand silt	Comp, 5-point	0 to 3	Zig-zag of 3 marked trees with 3 points collected from the west bank and 2 points collected from the east bank	35.32675939	-87.78401547
WCLBC15	WCL-BC-SD-15	6/5/2012	Dark brown silt top soil	Comp, 4-point	0 to 3	Soil on banks, 2 points from east bank and 2 points from west bank	35.32927208	-87.78481459
WCLBC16	WCL-BC-SD-16	6/5/2012	Dark brown top soil	Comp, 5-point	0 to 3	Soil on banks, 2 points from east bank and 3 points from west bank	35.32944873	-87.78475285

TABLE 1
WAYNESBORO CITY LANDFILL
JUNE 4 AND 5, 2012 SAMPLING EVENT

Station ID	Sample ID	Sample Date	Sample Description	Sample Type	Depth (inches)	Remarks	Latitude	Longitude
Sediment Samples (continued)								
WCLBC17	WCL-BC-SD-17	6/5/2012	Brown clay, sand, silt	Comp, 6-point	0 to 3	Bank sediments, 3 points from east bank and 3 points from west bank	35.33041548	-87.78501536
WCLBC18	WCL-BC-SD-18	6/5/2012	Light tan sand	Comp, 5-point	0 to 3	Bank sediments, 3 points from east bank and 2 points from west bank	35.33088644	-87.78506227
WCLBC19	WCL-BC-SD-19	6/5/2012	Light tan sand	Comp, 4-point	0 to 3	Deposition layers of creek, 2 points collected from the west bank and 2 points collected from the east bank	35.33431785	-87.78652738
WCLBC20	WCL-BC-SD-20	6/5/2012	Light tan sand	Comp, 5-point	0 to 3	Deposition layers of east bank	35.33781251	-87.78750873
WCLBC21	WCL-BC-SD-21	6/5/2012	Tan sand with pebbles	Comp, 5-point	0 to 3	Submerged sand along western bank	35.34139942	-87.78871959
WCLBC22	WCL-BC-SD-22	6/5/2012	Tan sand	Comp, 5-point	0 to 3	In creek along both banks of sandbar	35.34489902	-87.78901439
WCLBC23	WCL-BC-SD-23	6/5/2012	Tan/light brown sand silt	Comp, 3-point	0 to 3	Background location, tributary of Beech Creek	35.33292345	-87.78717119

Notes:

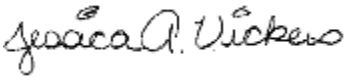
BC	Beech Creek
Comp	Composite
DUP	Duplicate
ID	Identification
SD	Sediment
SS	Soil sample
WCL	Waynesboro City Landfill

ENCLOSURE 3

TETRA TECH FIELD QC REPORT AND ANALYTICAL DATA PACKAGES

(80 Pages)

Review of Field Quality Control Samples

Date:	July 24, 2012	**Project No.:**	TTEMI-05-003-0131
		Project Name:	Waynesboro City Landfill
Name:	Jessica Vickers		
Signature:			

The following is a summary of the review performed by Tetra Tech for the Regional Laboratory analytical data packages for samples collected in June 2012 at the Waynesboro City Landfill site. This review was performed on all field duplicate and quality control (QC) blank (equipment and field) samples. This review was performed because the U.S. Environmental Protection Agency, Region 4, Science and Ecosystem Support Division, Office of Quality Assurance does not review field QC samples as part of their validation effort. This policy was stated during a data validation webinar held on February 17, 2011. The webinar was attended by personnel from all 10 EPA Regions as well as personnel from various agencies that utilize the EPA Contract Laboratory Program and Regional Laboratories for analytical support.

QC Blank Samples: No target analytes were detected in either the equipment blank (WCL-EB-02) or the field blank (WCL-FB-02).

Field Duplicate Samples: Field duplicate samples were submitted for one surface soil sample (WCL-SS-11-060412) and one sediment sample (WCL-BC-SD-11-060412). The Aroclor 1248 results displayed a comparison that exceeded the QC criteria of 50 percent relative percent difference for soil samples for WCL-SS-11-060412 and its field duplicate. These results were qualified as estimated (flagged "J") with an unknown bias for both of the indicated samples.

The attached Form I's have been annotated to indicate any additional qualifications that were required due to the exceedances discussed above.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 12-0468
Project: 12-0469, Waynesboro City Ldfl - Reported by Jeannie Williamson

PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-SS-11-060412 **Lab ID:** E122306-03
Station ID: WCL11 **Matrix:** Surface Soil

Date Collected: 6/4/12 14:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	1700	U, CR	ug/kg dry	1700	6/11/12 8:11	6/26/12 16:21	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	3400	U, CR	ug/kg dry	3400	6/11/12 8:11	6/26/12 16:21	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	1700	U, CR	ug/kg dry	1700	6/11/12 8:11	6/26/12 16:21	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	1700	U, CR	ug/kg dry	1700	6/11/12 8:11	6/26/12 16:21	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	1600	J	ug/kg dry	640	6/11/12 8:11	6/26/12 16:21	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	640	U, CRa	ug/kg dry	640	6/11/12 8:11	6/26/12 16:21	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	640	U, CRa	ug/kg dry	640	6/11/12 8:11	6/26/12 16:21	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	640	U, CRa	ug/kg dry	640	6/11/12 8:11	6/26/12 16:21	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	640	U, CRa	ug/kg dry	640	6/11/12 8:11	6/26/12 16:21	EPA 8082

07/24/12

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 12-0468
Project: 12-0469, Waynesboro City Ldfl - Reported by Jeannie Williamson

PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-SS-11DUP-060412 **Lab ID:** E122306-04
Station ID: WCL11 **Matrix:** Surface Soil

Date Collected: 6/4/12 14:35

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	8400	U, CR	ug/kg dry	8400	6/11/12 8:11	6/26/12 17:03	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	17000	U, CR	ug/kg dry	17000	6/11/12 8:11	6/26/12 17:03	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	8400	U, CR	ug/kg dry	8400	6/11/12 8:11	6/26/12 17:03	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	8400	U, CR	ug/kg dry	8400	6/11/12 8:11	6/26/12 17:03	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	8300	J	ug/kg dry	2600	6/11/12 8:11	6/26/12 17:03	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	2600	U, CRa	ug/kg dry	2600	6/11/12 8:11	6/26/12 17:03	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	2600	U, CRa	ug/kg dry	2600	6/11/12 8:11	6/26/12 17:03	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	2600	U, CRa	ug/kg dry	2600	6/11/12 8:11	6/26/12 17:03	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	2600	U, CRa	ug/kg dry	2600	6/11/12 8:11	6/26/12 17:03	EPA 8082

07/24/12

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 12-0468
Project: 12-0469, Waynesboro City Ldfl - Reported by Jeannie Williamson

July 10, 2012

4SESD-ASB

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 12-0469, Waynesboro City Ldfl
Superfund Remedial

FROM: Jeannie Williamson
OCS Chemist

THRU: Sallie Hale, Chief
ASB Organic Chemistry Section

TO: Steve Spurlin

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the Analytical Support Branch's (ASB) Laboratory Operations and Quality Assurance Manual (ASB LOQAM) found at www.epa.gov/region4/sesd/asbsop. Any unique project data quality objectives specified in writing by the data requestor have also been incorporated into the data unless otherwise noted in the Report Narrative. Chemistry data have been verified based on the ASB LOQAM specifications and may have been qualified if the applicable quality control criteria were not met. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report. The reported results are accurate within the limits of the method(s) and are representative only of the samples as received by the laboratory.

Analyses Included in this report:	Method Used:
PCB Aroclors (PCBA)	
PCB aroclors	EPA 8082

Sample Disposal Policy

Because of the laboratory's limited space for long term sample storage, our policy is to dispose of samples on a periodic schedule. Please note that within 60 days of this memo, the original samples and all sample extracts and/or sample digestates will be disposed of in accordance with applicable regulations. The 60-day sample disposal policy does not apply to criminal samples which are held until the laboratory is notified by the criminal investigators that case development and litigation are complete.

These samples may be held in the laboratory's custody for a longer period of time if you have a special project need. If you wish for the laboratory to hold samples beyond the 60-day period, please contact our Sample Control Coordinator, Debbie Colquitt, by e-mail at Colquitt.Debbie@epa.gov, and provide a reason for holding samples beyond 60 days

cc: Nardina Turner

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SAMPLES INCLUDED IN THIS REPORT

Project: 12-0469, Waynesboro City Ldfl

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
WCL-EB-02	E122306-01	Equipment Rinse Blank	6/4/12 13:47	6/8/12 10:03
WCL-FB-02	E122306-02	Field Blank	6/4/12 13:30	6/8/12 10:03

DATA QUALIFIER DEFINITIONS

U	The analyte was not detected at or above the reporting limit.

ACRONYMS AND ABBREVIATIONS

CAS	Chemical Abstracts Service Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.
MDL	Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.
MRL	Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.
TIC	Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-EB-02 **Lab ID:** E122306-01

Station ID: **Matrix:** Equipment Rinse Blank

Date Collected: 6/4/12 13:47

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	0.31	U	ug/L	0.31	6/11/12 7:03	6/19/12 2:36	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	0.62	U	ug/L	0.62	6/11/12 7:03	6/19/12 2:36	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	0.31	U	ug/L	0.31	6/11/12 7:03	6/19/12 2:36	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	0.31	U	ug/L	0.31	6/11/12 7:03	6/19/12 2:36	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	0.31	U	ug/L	0.31	6/11/12 7:03	6/19/12 2:36	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	0.31	U	ug/L	0.31	6/11/12 7:03	6/19/12 2:36	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	0.31	U	ug/L	0.31	6/11/12 7:03	6/19/12 2:36	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	0.31	U	ug/L	0.31	6/11/12 7:03	6/19/12 2:36	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	0.31	U	ug/L	0.31	6/11/12 7:03	6/19/12 2:36	EPA 8082

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-FB-02 **Lab ID:** E122306-02

Station ID: **Matrix:** Field Blank

Date Collected: 6/4/12 13:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	0.30	U	ug/L	0.30	6/11/12 7:03	6/19/12 2:50	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	0.60	U	ug/L	0.60	6/11/12 7:03	6/19/12 2:50	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	0.30	U	ug/L	0.30	6/11/12 7:03	6/19/12 2:50	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	0.30	U	ug/L	0.30	6/11/12 7:03	6/19/12 2:50	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	0.30	U	ug/L	0.30	6/11/12 7:03	6/19/12 2:50	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	0.30	U	ug/L	0.30	6/11/12 7:03	6/19/12 2:50	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	0.30	U	ug/L	0.30	6/11/12 7:03	6/19/12 2:50	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	0.30	U	ug/L	0.30	6/11/12 7:03	6/19/12 2:50	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	0.30	U	ug/L	0.30	6/11/12 7:03	6/19/12 2:50	EPA 8082

PCB Aroclors (PCBA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1206051 - E 3520 LLE										
Blank (1206051-BLK1)				Prepared: 06/11/12 Analyzed: 06/19/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*0.329*		*ug/L*	*0.50000*		*65.8*	*15.8-118*			
Surrogate: Tetrachloro-meta-xylene [2C]	*0.336*		*"*	*0.50000*		*67.2*	*15.8-118*			
Surrogate: Decachlorobiphenyl (DCB)	*0.457*		*"*	*1.0000*		*45.7*	*46.6-129*			*QS-3*
Surrogate: Decachlorobiphenyl (DCB) [2C]	*0.469*		*"*	*1.0000*		*46.9*	*46.6-129*			
PCB-1221 (Aroclor 1221)	U	0.50	"							U
PCB-1221 (Aroclor 1221) [2C]	U	0.50	"							U
PCB-1232 (Aroclor 1232)	U	0.25	"							U
PCB-1232 (Aroclor 1232) [2C]	U	0.25	"							U
PCB-1016 (Aroclor 1016)	U	0.25	"							U
PCB-1016 (Aroclor 1016) [2C]	U	0.25	"							U
PCB-1242 (Aroclor 1242)	U	0.25	"							U
PCB-1242 (Aroclor 1242) [2C]	U	0.25	"							U
PCB-1248 (Aroclor 1248)	U	0.25	"							U
PCB-1248 (Aroclor 1248) [2C]	U	0.25	"							U
PCB-1254 (Aroclor 1254)	U	0.25	"							U
PCB-1254 (Aroclor 1254) [2C]	U	0.25	"							U
PCB-1260 (Aroclor 1260)	U	0.25	"							U
PCB-1260 (Aroclor 1260) [2C]	U	0.25	"							U
PCB-1262 (Aroclor 1262)	U	0.25	"							U
PCB-1262 (Aroclor 1262) [2C]	U	0.25	"							U
PCB-1268 (Aroclor 1268)	U	0.25	"							U
PCB-1268 (Aroclor 1268) [2C]	U	0.25	"							U
LCS (1206051-BS1)				Prepared: 06/11/12 Analyzed: 06/19/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*0.288*		*ug/L*	*0.50000*		*57.6*	*15.8-118*			
Surrogate: Tetrachloro-meta-xylene [2C]	*0.288*		*"*	*0.50000*		*57.5*	*15.8-118*			
Surrogate: Decachlorobiphenyl (DCB)	*0.645*		*"*	*1.0000*		*64.5*	*46.6-129*			
Surrogate: Decachlorobiphenyl (DCB) [2C]	*0.660*		*"*	*1.0000*		*66.0*	*46.6-129*			
PCB-1221 (Aroclor 1221)	U	2.5	"				43.3-123			U
PCB-1221 (Aroclor 1221) [2C]	U	2.5	"				43.3-123			U
PCB-1232 (Aroclor 1232)	3.5439	1.2	"	5.0000		70.9	43.3-123			
PCB-1232 (Aroclor 1232) [2C]	3.6991	1.2	"	5.0000		74.0	43.3-123			
PCB-1016 (Aroclor 1016)	U	1.2	"				43.3-123			U
PCB-1016 (Aroclor 1016) [2C]	U	1.2	"				43.3-123			U
PCB-1242 (Aroclor 1242)	U	1.2	"				43.3-123			U
PCB-1242 (Aroclor 1242) [2C]	U	1.2	"				43.3-123			U

PCB Aroclors (PCBA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1206051 - E 3520 LLE										
LCS (1206051-BS1)				Prepared: 06/11/12 Analyzed: 06/19/12						
PCB-1248 (Aroclor 1248)	U	1.2	ug/L				43.3-123			U
PCB-1248 (Aroclor 1248) [2C]	U	1.2	"				43.3-123			U
PCB-1254 (Aroclor 1254)	U	1.2	"				55.8-118			U
PCB-1254 (Aroclor 1254) [2C]	U	1.2	"				55.8-118			U
PCB-1260 (Aroclor 1260)	U	1.2	"				55.8-118			U
PCB-1260 (Aroclor 1260) [2C]	U	1.2	"				55.8-118			U
PCB-1262 (Aroclor 1262)	4.0808	1.2	"	5.0000		81.6	55.8-118			
PCB-1262 (Aroclor 1262) [2C]	4.1182	1.2	"	5.0000		82.4	55.8-118			
PCB-1268 (Aroclor 1268)	U	1.2	"				55.8-118			U
PCB-1268 (Aroclor 1268) [2C]	U	1.2	"				55.8-118			U
Matrix Spike (1206051-MS1)		**Source: E122306-01**		Prepared: 06/11/12 Analyzed: 06/19/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*0.750*		*ug/L*	*1.2500*		*60.0*	*15.8-118*			
Surrogate: Tetrachloro-meta-xylene [2C]	*0.752*		*"*	*1.2500*		*60.1*	*15.8-118*			
Surrogate: Decachlorobiphenyl (DCB)	*1.16*		*"*	*2.5000*		*46.3*	*46.6-129*			*QS-3*
Surrogate: Decachlorobiphenyl (DCB) [2C]	*1.16*		*"*	*2.5000*		*46.4*	*46.6-129*			*QS-3*
PCB-1221 (Aroclor 1221)	U	6.2	"		U		18-174			U
PCB-1221 (Aroclor 1221) [2C]	U	6.2	"		U		18-174			U
PCB-1232 (Aroclor 1232)	8.9092	3.1	"	12.500	U	71.3	18-174			
PCB-1232 (Aroclor 1232) [2C]	9.3828	3.1	"	12.500	U	75.1	18-174			
PCB-1016 (Aroclor 1016)	U	3.1	"		U		18-174			U
PCB-1016 (Aroclor 1016) [2C]	U	3.1	"		U		18-174			U
PCB-1242 (Aroclor 1242)	U	3.1	"		U		18-174			U
PCB-1242 (Aroclor 1242) [2C]	U	3.1	"		U		18-174			U
PCB-1248 (Aroclor 1248)	U	3.1	"		U		18-174			U
PCB-1248 (Aroclor 1248) [2C]	U	3.1	"		U		18-174			U
PCB-1254 (Aroclor 1254)	U	3.1	"		U		15.9-165			U
PCB-1254 (Aroclor 1254) [2C]	U	3.1	"		U		15.9-165			U
PCB-1260 (Aroclor 1260)	U	3.1	"		0.18047		15.9-165			U
PCB-1260 (Aroclor 1260) [2C]	U	3.1	"		0.17719		15.9-165			U
PCB-1262 (Aroclor 1262)	8.6506	3.1	"	12.500	U	69.2	15.9-165			
PCB-1262 (Aroclor 1262) [2C]	9.3198	3.1	"	12.500	U	74.6	15.9-165			
PCB-1268 (Aroclor 1268)	U	3.1	"		U		15.9-165			U
PCB-1268 (Aroclor 1268) [2C]	U	3.1	"		U		15.9-165			U

PCB Aroclors (PCBA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1206051 - E 3520 LLE										
Matrix Spike Dup (1206051-MSD1)	**Source: E122306-01**			Prepared: 06/11/12 Analyzed: 06/19/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*0.730*		*ug/L*	*1.2500*		*58.4*	*15.8-118*			
Surrogate: Tetrachloro-meta-xylene [2C]	*0.733*		*"*	*1.2500*		*58.6*	*15.8-118*			
Surrogate: Decachlorobiphenyl (DCB)	*1.54*		*"*	*2.5000*		*61.8*	*46.6-129*			
Surrogate: Decachlorobiphenyl (DCB) [2C]	*1.56*		*"*	*2.5000*		*62.6*	*46.6-129*			
PCB-1221 (Aroclor 1221)	U	6.2	"		U		18-174		30	U
PCB-1221 (Aroclor 1221) [2C]	U	6.2	"		U		18-174		30	U
PCB-1232 (Aroclor 1232)	8.8779	3.1	"	12.500	U	71.0	18-174	0.353	30	
PCB-1232 (Aroclor 1232) [2C]	9.4828	3.1	"	12.500	U	75.9	18-174	1.06	30	
PCB-1016 (Aroclor 1016)	U	3.1	"		U		18-174		38.9	U
PCB-1016 (Aroclor 1016) [2C]	U	3.1	"		U		18-174		38.9	U
PCB-1242 (Aroclor 1242)	U	3.1	"		U		18-174		30	U
PCB-1242 (Aroclor 1242) [2C]	U	3.1	"		U		18-174		30	U
PCB-1248 (Aroclor 1248)	U	3.1	"		U		18-174		30	U
PCB-1248 (Aroclor 1248) [2C]	U	3.1	"		U		18-174		30	U
PCB-1254 (Aroclor 1254)	U	3.1	"		U		15.9-165		28.7	U
PCB-1254 (Aroclor 1254) [2C]	U	3.1	"		U		15.9-165		28.7	U
PCB-1260 (Aroclor 1260)	U	3.1	"		0.18047		15.9-165		28.7	U
PCB-1260 (Aroclor 1260) [2C]	U	3.1	"		0.17719		15.9-165		28.7	U
PCB-1262 (Aroclor 1262)	9.5662	3.1	"	12.500	U	76.5	15.9-165	10.1	28.7	
PCB-1262 (Aroclor 1262) [2C]	10.133	3.1	"	12.500	U	81.1	15.9-165	8.36	28.7	
PCB-1268 (Aroclor 1268)	U	3.1	"		U		15.9-165		28.7	U
PCB-1268 (Aroclor 1268) [2C]	U	3.1	"		U		15.9-165		28.7	U
MRL Verification (1206051-PS1)				Prepared: 06/11/12 Analyzed: 06/19/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*0.258*		*ug/L*	*0.50000*		*51.6*	*15.8-118*			
Surrogate: Tetrachloro-meta-xylene [2C]	*0.264*		*"*	*0.50000*		*52.8*	*15.8-118*			
Surrogate: Decachlorobiphenyl (DCB)	*0.596*		*"*	*1.0000*		*59.6*	*46.6-129*			
Surrogate: Decachlorobiphenyl (DCB) [2C]	*0.603*		*"*	*1.0000*		*60.3*	*46.6-129*			
PCB-1221 (Aroclor 1221)	U	0.50	"				23.3-143			U
PCB-1221 (Aroclor 1221) [2C]	U	0.50	"				23.3-143			U
PCB-1232 (Aroclor 1232)	0.10696	0.25	"	0.25000		42.8	23.3-143			U, MRL-3
PCB-1232 (Aroclor 1232) [2C]	0.13873	0.25	"	0.25000		55.5	23.3-143			U, MRL-3
PCB-1016 (Aroclor 1016)	U	0.25	"				23.3-143			U
PCB-1016 (Aroclor 1016) [2C]	U	0.25	"				23.3-143			U
PCB-1242 (Aroclor 1242)	U	0.25	"				23.3-143			U

PCB Aroclors (PCBA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1206051 - E 3520 LLE										
MRL Verification (1206051-PS1)				Prepared: 06/11/12 Analyzed: 06/19/12						
PCB-1242 (Aroclor 1242) [2C]	U	0.25	ug/L				23.3-143			U
PCB-1248 (Aroclor 1248)	U	0.25	"				23.3-143			U
PCB-1248 (Aroclor 1248) [2C]	U	0.25	"				23.3-143			U
PCB-1254 (Aroclor 1254)	U	0.25	"				35.8-138			U
PCB-1254 (Aroclor 1254) [2C]	U	0.25	"				35.8-138			U
PCB-1260 (Aroclor 1260)	U	0.25	"				35.8-138			U
PCB-1260 (Aroclor 1260) [2C]	U	0.25	"				35.8-138			U
PCB-1262 (Aroclor 1262)	0.20363	0.25	"	0.25000		81.5	35.8-138			U, MRL-3
PCB-1262 (Aroclor 1262) [2C]	0.21305	0.25	"	0.25000		85.2	35.8-138			U, MRL-3
PCB-1268 (Aroclor 1268)	U	0.25	"				35.8-138			U
PCB-1268 (Aroclor 1268) [2C]	U	0.25	"				35.8-138			U

Notes and Definitions for QC Samples

U	The analyte was not detected at or above the reporting limit.
MRL-3	MRL verification for Soil matrix
QS-3	Surrogate recovery is lower than established control limits.

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July 17, 2012

4SESD-ASB

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 12-0469, Waynesboro City Ldfl
Superfund Remedial

FROM: Jeannie Williamson
OCS Chemist

THRU: Sallie Hale, Chief
ASB Organic Chemistry Section

TO: Steve Spurlin

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the Analytical Support Branch's (ASB) Laboratory Operations and Quality Assurance Manual (ASB LOQAM) found at www.epa.gov/region4/sesd/asbsop. Any unique project data quality objectives specified in writing by the data requestor have also been incorporated into the data unless otherwise noted in the Report Narrative. Chemistry data have been verified based on the ASB LOQAM specifications and may have been qualified if the applicable quality control criteria were not met. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report. The reported results are accurate within the limits of the method(s) and are representative only of the samples as received by the laboratory.

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PCB aroclors	EPA 8082

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Because of the laboratory's limited space for long term sample storage, our policy is to dispose of samples on a periodic schedule. Please note that within 60 days of this memo, the original samples and all sample extracts and/or sample digestates will be disposed of in accordance with applicable regulations. The 60-day sample disposal policy does not apply to criminal samples which are held until the laboratory is notified by the criminal investigators that case development and litigation are complete.

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cc: Nardina Turner

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SAMPLES INCLUDED IN THIS REPORT

Project: 12-0469, Waynesboro City Ldfl

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
WCL-SS-11-060412	E122306-03	Surface Soil	6/4/12 14:30	6/8/12 10:03
WCL-SS-11DUP-060412	E122306-04	Surface Soil	6/4/12 14:35	6/8/12 10:03
WCL-SS-12-060412	E122306-05	Surface Soil	6/4/12 14:50	6/8/12 10:03
WCL-SS-13-060412	E122306-06	Surface Soil	6/4/12 15:05	6/8/12 10:03
WCL-SS-14-060412	E122306-07	Surface Soil	6/4/12 14:34	6/8/12 10:03
WCL-SS-15-060412	E122306-08	Surface Soil	6/4/12 14:02	6/8/12 10:03
WCL-BC-SD-09-060412	E122306-09	Sediment	6/4/12 16:08	6/8/12 10:03
WCL-BC-SD-10-060412	E122306-10	Sediment	6/4/12 17:00	6/8/12 10:03
WCL-BC-SD-11-060412	E122306-11	Sediment	6/4/12 16:34	6/8/12 10:03
WCL-BC-SD-11DUP-060412	E122306-12	Sediment	6/4/12 16:45	6/8/12 10:03
WCL-BC-SD-12-060412	E122306-13	Sediment	6/4/12 16:35	6/8/12 10:03
WCL-BC-SD-13-060412	E122306-14	Sediment	6/5/12 09:55	6/8/12 10:03
WCL-BC-SD-14-060412	E122306-15	Sediment	6/5/12 09:40	6/8/12 10:03
WCL-BC-SD-15-060412	E122306-16	Sediment	6/5/12 16:23	6/8/12 10:03
WCL-BC-SD-16-060412	E122306-17	Sediment	6/5/12 16:10	6/8/12 10:03
WCL-BC-SD-17-060412	E122306-18	Sediment	6/5/12 16:00	6/8/12 10:03
WCL-BC-SD-18-060412	E122306-19	Sediment	6/5/12 15:44	6/8/12 10:03
WCL-BC-SD-19-060412	E122306-20	Sediment	6/5/12 14:36	6/8/12 10:03
WCL-BC-SD-20-060412	E122306-21	Sediment	6/5/12 13:00	6/8/12 10:03
WCL-BC-SD-21-060412	E122306-22	Sediment	6/5/12 12:14	6/8/12 10:03
WCL-BC-SD-22-060412	E122306-23	Sediment	6/5/12 11:30	6/8/12 10:03
WCL-BC-SD-23-060412	E122306-24	Sediment	6/5/12 15:15	6/8/12 10:03

DATA QUALIFIER DEFINITIONS

U	The analyte was not detected at or above the reporting limit.
CR	MRL elevated due to detection of Ar1248.
CRa	Sample diluted due to presence of high levels of target Aroclor resulting in elevated MRLs.

ACRONYMS AND ABBREVIATIONS

CAS	Chemical Abstracts Service Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.
MDL	Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.
MRL	Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.
TIC	Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.

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D.A.R.T. Id: 12-0468
Project: 12-0469, Waynesboro City Ldfl - Reported by Jeannie Williamson

PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-SS-11-060412 **Lab ID:** E122306-03

Station ID: WCL11 **Matrix:** Surface Soil

Date Collected: 6/4/12 14:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	1700	U, CR	ug/kg dry	1700	6/11/12 8:11	6/26/12 16:21	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	3400	U, CR	ug/kg dry	3400	6/11/12 8:11	6/26/12 16:21	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	1700	U, CR	ug/kg dry	1700	6/11/12 8:11	6/26/12 16:21	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	1700	U, CR	ug/kg dry	1700	6/11/12 8:11	6/26/12 16:21	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	1600		ug/kg dry	640	6/11/12 8:11	6/26/12 16:21	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	640	U, CRa	ug/kg dry	640	6/11/12 8:11	6/26/12 16:21	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	640	U, CRa	ug/kg dry	640	6/11/12 8:11	6/26/12 16:21	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	640	U, CRa	ug/kg dry	640	6/11/12 8:11	6/26/12 16:21	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	640	U, CRa	ug/kg dry	640	6/11/12 8:11	6/26/12 16:21	EPA 8082

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-SS-11DUP-060412 **Lab ID:** E122306-04

Station ID: WCL11 **Matrix:** Surface Soil

Date Collected: 6/4/12 14:35

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	8400	U, CR	ug/kg dry	8400	6/11/12 8:11	6/26/12 17:03	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	17000	U, CR	ug/kg dry	17000	6/11/12 8:11	6/26/12 17:03	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	8400	U, CR	ug/kg dry	8400	6/11/12 8:11	6/26/12 17:03	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	8400	U, CR	ug/kg dry	8400	6/11/12 8:11	6/26/12 17:03	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	8300		ug/kg dry	2600	6/11/12 8:11	6/26/12 17:03	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	2600	U, CRa	ug/kg dry	2600	6/11/12 8:11	6/26/12 17:03	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	2600	U, CRa	ug/kg dry	2600	6/11/12 8:11	6/26/12 17:03	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	2600	U, CRa	ug/kg dry	2600	6/11/12 8:11	6/26/12 17:03	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	2600	U, CRa	ug/kg dry	2600	6/11/12 8:11	6/26/12 17:03	EPA 8082

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-SS-12-060412 **Lab ID:** E122306-05

Station ID: WCL12 **Matrix:** Surface Soil

Date Collected: 6/4/12 14:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	11000	U, CR	ug/kg dry	11000	6/11/12 8:11	6/26/12 17:17	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	22000	U, CR	ug/kg dry	22000	6/11/12 8:11	6/26/12 17:17	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	11000	U, CR	ug/kg dry	11000	6/11/12 8:11	6/26/12 17:17	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	11000	U, CR	ug/kg dry	11000	6/11/12 8:11	6/26/12 17:17	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	10000		ug/kg dry	2500	6/11/12 8:11	6/26/12 17:17	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	2500	U, CRa	ug/kg dry	2500	6/11/12 8:11	6/26/12 17:17	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	2500	U, CRa	ug/kg dry	2500	6/11/12 8:11	6/26/12 17:17	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	2500	U, CRa	ug/kg dry	2500	6/11/12 8:11	6/26/12 17:17	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	2500	U, CRa	ug/kg dry	2500	6/11/12 8:11	6/26/12 17:17	EPA 8082

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-SS-13-060412 **Lab ID:** E122306-06

Station ID: WCL13 **Matrix:** Surface Soil

Date Collected: 6/4/12 15:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	8700	U, CR	ug/kg dry	8700	6/11/12 8:11	6/26/12 17:31	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	17000	U, CR	ug/kg dry	17000	6/11/12 8:11	6/26/12 17:31	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	8700	U, CR	ug/kg dry	8700	6/11/12 8:11	6/26/12 17:31	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	8700	U, CR	ug/kg dry	8700	6/11/12 8:11	6/26/12 17:31	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	8600		ug/kg dry	2500	6/11/12 8:11	6/26/12 17:31	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	2500	U, CRa	ug/kg dry	2500	6/11/12 8:11	6/26/12 17:31	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	2500	U, CRa	ug/kg dry	2500	6/11/12 8:11	6/26/12 17:31	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	2500	U, CRa	ug/kg dry	2500	6/11/12 8:11	6/26/12 17:31	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	2500	U, CRa	ug/kg dry	2500	6/11/12 8:11	6/26/12 17:31	EPA 8082

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-SS-14-060412 **Lab ID:** E122306-07

Station ID: WCL14 **Matrix:** Surface Soil

Date Collected: 6/4/12 14:34

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	37	U, CR	ug/kg dry	37	6/11/12 8:11	6/26/12 13:02	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	74	U, CR	ug/kg dry	74	6/11/12 8:11	6/26/12 13:02	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	37	U, CR	ug/kg dry	37	6/11/12 8:11	6/26/12 13:02	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	37	U, CR	ug/kg dry	37	6/11/12 8:11	6/26/12 13:02	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	36		ug/kg dry	12	6/11/12 8:11	6/26/12 13:02	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	12	U, CRa	ug/kg dry	12	6/11/12 8:11	6/26/12 13:02	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	12	U	ug/kg dry	12	6/11/12 8:11	6/26/12 13:02	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	12	U	ug/kg dry	12	6/11/12 8:11	6/26/12 13:02	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	12	U	ug/kg dry	12	6/11/12 8:11	6/26/12 13:02	EPA 8082

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-SS-15-060412 **Lab ID:** E122306-08

Station ID: WCL15 **Matrix:** Surface Soil

Date Collected: 6/4/12 14:02

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	12	U	ug/kg dry	12	6/11/12 8:11	6/26/12 13:16	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	24	U	ug/kg dry	24	6/11/12 8:11	6/26/12 13:16	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	12	U	ug/kg dry	12	6/11/12 8:11	6/26/12 13:16	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	12	U	ug/kg dry	12	6/11/12 8:11	6/26/12 13:16	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	12	U	ug/kg dry	12	6/11/12 8:11	6/26/12 13:16	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	12	U	ug/kg dry	12	6/11/12 8:11	6/26/12 13:16	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	12	U	ug/kg dry	12	6/11/12 8:11	6/26/12 13:16	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	12	U	ug/kg dry	12	6/11/12 8:11	6/26/12 13:16	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	12	U	ug/kg dry	12	6/11/12 8:11	6/26/12 13:16	EPA 8082

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-BC-SD-09-060412 **Lab ID:** E122306-09

Station ID: WCLBC09 **Matrix:** Sediment

Date Collected: 6/4/12 16:08

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	13	U	ug/kg dry	13	6/11/12 8:11	6/26/12 13:29	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	26	U	ug/kg dry	26	6/11/12 8:11	6/26/12 13:29	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	13	U	ug/kg dry	13	6/11/12 8:11	6/26/12 13:29	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	13	U	ug/kg dry	13	6/11/12 8:11	6/26/12 13:29	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	13	U	ug/kg dry	13	6/11/12 8:11	6/26/12 13:29	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	13	U	ug/kg dry	13	6/11/12 8:11	6/26/12 13:29	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	13	U	ug/kg dry	13	6/11/12 8:11	6/26/12 13:29	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	13	U	ug/kg dry	13	6/11/12 8:11	6/26/12 13:29	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	13	U	ug/kg dry	13	6/11/12 8:11	6/26/12 13:29	EPA 8082

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-BC-SD-10-060412 **Lab ID:** E122306-10

Station ID: WCLBC10 **Matrix:** Sediment

Date Collected: 6/4/12 17:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	230	U, CR	ug/kg dry	230	6/11/12 8:11	6/26/12 13:43	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	460	U, CR	ug/kg dry	460	6/11/12 8:11	6/26/12 13:43	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	230	U, CR	ug/kg dry	230	6/11/12 8:11	6/26/12 13:43	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	230	U, CR	ug/kg dry	230	6/11/12 8:11	6/26/12 13:43	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	220		ug/kg dry	64	6/11/12 8:11	6/26/12 13:43	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	64	U, CRa	ug/kg dry	64	6/11/12 8:11	6/26/12 13:43	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	64	U, CRa	ug/kg dry	64	6/11/12 8:11	6/26/12 13:43	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	64	U, CRa	ug/kg dry	64	6/11/12 8:11	6/26/12 13:43	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	64	U, CRa	ug/kg dry	64	6/11/12 8:11	6/26/12 13:43	EPA 8082

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-BC-SD-11-060412 **Lab ID:** E122306-11

Station ID: WCLBC11 **Matrix:** Sediment

Date Collected: 6/4/12 16:34

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	7000	U, CR	ug/kg dry	7000	6/11/12 8:11	6/26/12 16:35	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	14000	U, CR	ug/kg dry	14000	6/11/12 8:11	6/26/12 16:35	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	7000	U, CR	ug/kg dry	7000	6/11/12 8:11	6/26/12 16:35	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	7000	U, CR	ug/kg dry	7000	6/11/12 8:11	6/26/12 16:35	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	6900		ug/kg dry	1300	6/11/12 8:11	6/26/12 16:35	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	1300	U, CRa	ug/kg dry	1300	6/11/12 8:11	6/26/12 16:35	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	1300	U, CRa	ug/kg dry	1300	6/11/12 8:11	6/26/12 16:35	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	1300	U, CRa	ug/kg dry	1300	6/11/12 8:11	6/26/12 16:35	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	1300	U, CRa	ug/kg dry	1300	6/11/12 8:11	6/26/12 16:35	EPA 8082

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-BC-SD-11DUP-060412 **Lab ID:** E122306-12

Station ID: WCLBC11 **Matrix:** Sediment

Date Collected: 6/4/12 16:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	5700	U, CR	ug/kg dry	5700	6/11/12 8:11	6/26/12 16:49	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	11000	U, CR	ug/kg dry	11000	6/11/12 8:11	6/26/12 16:49	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	5700	U, CR	ug/kg dry	5700	6/11/12 8:11	6/26/12 16:49	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	5700	U, CR	ug/kg dry	5700	6/11/12 8:11	6/26/12 16:49	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	5600		ug/kg dry	1300	6/11/12 8:11	6/26/12 16:49	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	1300	U, CRa	ug/kg dry	1300	6/11/12 8:11	6/26/12 16:49	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	1300	U, CRa	ug/kg dry	1300	6/11/12 8:11	6/26/12 16:49	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	1300	U, CRa	ug/kg dry	1300	6/11/12 8:11	6/26/12 16:49	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	1300	U, CRa	ug/kg dry	1300	6/11/12 8:11	6/26/12 16:49	EPA 8082

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-BC-SD-12-060412 **Lab ID:** E122306-13

Station ID: WCLBC12 **Matrix:** Sediment

Date Collected: 6/4/12 16:35

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	180	U, CR	ug/kg dry	180	6/11/12 8:11	6/26/12 13:57	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	360	U, CR	ug/kg dry	360	6/11/12 8:11	6/26/12 13:57	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	180	U, CR	ug/kg dry	180	6/11/12 8:11	6/26/12 13:57	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	180	U, CR	ug/kg dry	180	6/11/12 8:11	6/26/12 13:57	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	170		ug/kg dry	65	6/11/12 8:11	6/26/12 13:57	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	65	U, CRa	ug/kg dry	65	6/11/12 8:11	6/26/12 13:57	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	65	U, CRa	ug/kg dry	65	6/11/12 8:11	6/26/12 13:57	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	65	U, CRa	ug/kg dry	65	6/11/12 8:11	6/26/12 13:57	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	65	U, CRa	ug/kg dry	65	6/11/12 8:11	6/26/12 13:57	EPA 8082

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-BC-SD-13-060412 **Lab ID:** E122306-14

Station ID: WCLBC13 **Matrix:** Sediment

Date Collected: 6/5/12 9:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	46000	U, CR	ug/kg dry	46000	6/11/12 8:11	6/26/12 17:59	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	92000	U, CR	ug/kg dry	92000	6/11/12 8:11	6/26/12 17:59	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	46000	U, CR	ug/kg dry	46000	6/11/12 8:11	6/26/12 17:59	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	46000	U, CR	ug/kg dry	46000	6/11/12 8:11	6/26/12 17:59	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	45000		ug/kg dry	6300	6/11/12 8:11	6/26/12 17:59	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	6300	U, CRa	ug/kg dry	6300	6/11/12 8:11	6/26/12 17:59	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	6300	U, CRa	ug/kg dry	6300	6/11/12 8:11	6/26/12 17:59	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	6300	U, CRa	ug/kg dry	6300	6/11/12 8:11	6/26/12 17:59	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	6300	U, CRa	ug/kg dry	6300	6/11/12 8:11	6/26/12 17:59	EPA 8082

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-BC-SD-14-060412 **Lab ID:** E122306-15

Station ID: WCLBC14 **Matrix:** Sediment

Date Collected: 6/5/12 9:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	120000	U, CR	ug/kg dry	120000	6/11/12 8:11	6/26/12 18:55	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	220000	U, CR	ug/kg dry	220000	6/11/12 8:11	6/26/12 18:55	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	120000	U, CR	ug/kg dry	120000	6/11/12 8:11	6/26/12 18:55	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	120000	U, CR	ug/kg dry	120000	6/11/12 8:11	6/26/12 18:55	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	110000		ug/kg dry	15000	6/11/12 8:11	6/26/12 18:55	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	15000	U, CRa	ug/kg dry	15000	6/11/12 8:11	6/26/12 18:55	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	15000	U, CRa	ug/kg dry	15000	6/11/12 8:11	6/26/12 18:55	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	15000	U, CRa	ug/kg dry	15000	6/11/12 8:11	6/26/12 18:55	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	15000	U, CRa	ug/kg dry	15000	6/11/12 8:11	6/26/12 18:55	EPA 8082

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-BC-SD-15-060412 **Lab ID:** E122306-16

Station ID: WCLBC15 **Matrix:** Sediment

Date Collected: 6/5/12 16:23

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	41000	U, CR	ug/kg dry	41000	6/11/12 8:11	6/26/12 18:13	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	82000	U, CR	ug/kg dry	82000	6/11/12 8:11	6/26/12 18:13	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	41000	U, CR	ug/kg dry	41000	6/11/12 8:11	6/26/12 18:13	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	41000	U, CR	ug/kg dry	41000	6/11/12 8:11	6/26/12 18:13	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	40000		ug/kg dry	7100	6/11/12 8:11	6/26/12 18:13	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	7100	U, CRa	ug/kg dry	7100	6/11/12 8:11	6/26/12 18:13	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	7100	U, CRa	ug/kg dry	7100	6/11/12 8:11	6/26/12 18:13	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	7100	U, CRa	ug/kg dry	7100	6/11/12 8:11	6/26/12 18:13	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	7100	U, CRa	ug/kg dry	7100	6/11/12 8:11	6/26/12 18:13	EPA 8082

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-BC-SD-16-060412 **Lab ID:** E122306-17

Station ID: WCLBC16 **Matrix:** Sediment

Date Collected: 6/5/12 16:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	54000	U, CR	ug/kg dry	54000	6/11/12 8:11	6/26/12 17:45	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	63000	U, CR	ug/kg dry	63000	6/11/12 8:11	6/26/12 17:45	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	54000	U, CR	ug/kg dry	54000	6/11/12 8:11	6/26/12 17:45	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	54000	U, CR	ug/kg dry	54000	6/11/12 8:11	6/26/12 17:45	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	53000		ug/kg dry	3800	6/11/12 8:11	6/26/12 17:45	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	3800	U, CRa	ug/kg dry	3800	6/11/12 8:11	6/26/12 17:45	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	3800	U, CRa	ug/kg dry	3800	6/11/12 8:11	6/26/12 17:45	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	3800	U, CRa	ug/kg dry	3800	6/11/12 8:11	6/26/12 17:45	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	3800	U, CRa	ug/kg dry	3800	6/11/12 8:11	6/26/12 17:45	EPA 8082

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-BC-SD-17-060412 **Lab ID:** E122306-18

Station ID: WCLBC17 **Matrix:** Sediment

Date Collected: 6/5/12 16:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	27000	U, CR	ug/kg dry	27000	6/11/12 8:11	6/26/12 18:27	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	52000	U, CR	ug/kg dry	52000	6/11/12 8:11	6/26/12 18:27	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	27000	U, CR	ug/kg dry	27000	6/11/12 8:11	6/26/12 18:27	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	27000	U, CR	ug/kg dry	27000	6/11/12 8:11	6/26/12 18:27	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	26000		ug/kg dry	7500	6/11/12 8:11	6/26/12 18:27	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	7500	U, CRa	ug/kg dry	7500	6/11/12 8:11	6/26/12 18:27	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	7500	U, CRa	ug/kg dry	7500	6/11/12 8:11	6/26/12 18:27	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	7500	U, CRa	ug/kg dry	7500	6/11/12 8:11	6/26/12 18:27	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	7500	U, CRa	ug/kg dry	7500	6/11/12 8:11	6/26/12 18:27	EPA 8082

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-BC-SD-18-060412 **Lab ID:** E122306-19

Station ID: WCLBC18 **Matrix:** Sediment

Date Collected: 6/5/12 15:44

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	29000	U, CR	ug/kg dry	29000	6/11/12 8:11	6/26/12 18:41	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	58000	U, CR	ug/kg dry	58000	6/11/12 8:11	6/26/12 18:41	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	29000	U, CR	ug/kg dry	29000	6/11/12 8:11	6/26/12 18:41	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	29000	U, CR	ug/kg dry	29000	6/11/12 8:11	6/26/12 18:41	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	28000		ug/kg dry	7800	6/11/12 8:11	6/26/12 18:41	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	7800	U, CRa	ug/kg dry	7800	6/11/12 8:11	6/26/12 18:41	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	7800	U, CRa	ug/kg dry	7800	6/11/12 8:11	6/26/12 18:41	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	7800	U, CRa	ug/kg dry	7800	6/11/12 8:11	6/26/12 18:41	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	7800	U, CRa	ug/kg dry	7800	6/11/12 8:11	6/26/12 18:41	EPA 8082

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-BC-SD-19-060412 **Lab ID:** E122306-20

Station ID: WCLBC19 **Matrix:** Sediment

Date Collected: 6/5/12 14:36

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	2300	U, CR	ug/kg dry	2300	6/11/12 8:11	6/26/12 16:07	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	4600	U, CR	ug/kg dry	4600	6/11/12 8:11	6/26/12 16:07	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	2300	U, CR	ug/kg dry	2300	6/11/12 8:11	6/26/12 16:07	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	2300	U, CR	ug/kg dry	2300	6/11/12 8:11	6/26/12 16:07	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	2200		ug/kg dry	320	6/11/12 8:11	6/26/12 16:07	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	320	U, CRa	ug/kg dry	320	6/11/12 8:11	6/26/12 16:07	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	320	U, CRa	ug/kg dry	320	6/11/12 8:11	6/26/12 16:07	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	320	U, CRa	ug/kg dry	320	6/11/12 8:11	6/26/12 16:07	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	320	U, CRa	ug/kg dry	320	6/11/12 8:11	6/26/12 16:07	EPA 8082

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-BC-SD-20-060412 **Lab ID:** E122306-21

Station ID: WCLBC20 **Matrix:** Sediment

Date Collected: 6/5/12 13:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	920	U, CR	ug/kg dry	920	6/11/12 8:11	6/26/12 15:25	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	1800	U, CR	ug/kg dry	1800	6/11/12 8:11	6/26/12 15:25	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	920	U, CR	ug/kg dry	920	6/11/12 8:11	6/26/12 15:25	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	920	U, CR	ug/kg dry	920	6/11/12 8:11	6/26/12 15:25	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	910		ug/kg dry	150	6/11/12 8:11	6/26/12 15:25	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	150	U, CRa	ug/kg dry	150	6/11/12 8:11	6/26/12 15:25	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	150	U, CRa	ug/kg dry	150	6/11/12 8:11	6/26/12 15:25	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	150	U, CRa	ug/kg dry	150	6/11/12 8:11	6/26/12 15:25	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	150	U, CRa	ug/kg dry	150	6/11/12 8:11	6/26/12 15:25	EPA 8082

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-BC-SD-21-060412 **Lab ID:** E122306-22

Station ID: WCLBC21 **Matrix:** Sediment

Date Collected: 6/5/12 12:14

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	860	U, CR	ug/kg dry	860	6/11/12 8:11	6/26/12 15:53	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	1700	U, CR	ug/kg dry	1700	6/11/12 8:11	6/26/12 15:53	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	860	U, CR	ug/kg dry	860	6/11/12 8:11	6/26/12 15:53	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	860	U, CR	ug/kg dry	860	6/11/12 8:11	6/26/12 15:53	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	850		ug/kg dry	120	6/11/12 8:11	6/26/12 15:53	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	120	U, CRa	ug/kg dry	120	6/11/12 8:11	6/26/12 15:53	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	120	U, CRa	ug/kg dry	120	6/11/12 8:11	6/26/12 15:53	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	120	U, CRa	ug/kg dry	120	6/11/12 8:11	6/26/12 15:53	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	120	U, CRa	ug/kg dry	120	6/11/12 8:11	6/26/12 15:53	EPA 8082

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PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-BC-SD-22-060412 **Lab ID:** E122306-23

Station ID: WCLBC22 **Matrix:** Sediment

Date Collected: 6/5/12 11:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	580	U, CR	ug/kg dry	580	6/12/12 11:38	6/25/12 14:20	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	1200	U, CR	ug/kg dry	1200	6/12/12 11:38	6/25/12 14:20	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	580	U, CR	ug/kg dry	580	6/12/12 11:38	6/25/12 14:20	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	580	U, CR	ug/kg dry	580	6/12/12 11:38	6/25/12 14:20	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	570		ug/kg dry	65	6/12/12 11:38	6/25/12 14:20	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	65	U, CRa	ug/kg dry	65	6/12/12 11:38	6/25/12 14:20	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	65	U, CRa	ug/kg dry	65	6/12/12 11:38	6/25/12 14:20	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	65	U, CRa	ug/kg dry	65	6/12/12 11:38	6/25/12 14:20	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	65	U, CRa	ug/kg dry	65	6/12/12 11:38	6/25/12 14:20	EPA 8082

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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 12-0468
Project: 12-0469, Waynesboro City Ldfl - Reported by Jeannie Williamson

PCB Aroclors

Project: 12-0469, Waynesboro City Ldfl

Sample ID: WCL-BC-SD-23-060412 **Lab ID:** E122306-24

Station ID: WCLBC23 **Matrix:** Sediment

Date Collected: 6/5/12 15:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	15	U	ug/kg dry	15	6/12/12 11:38	6/22/12 17:33	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	30	U	ug/kg dry	30	6/12/12 11:38	6/22/12 17:33	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	15	U	ug/kg dry	15	6/12/12 11:38	6/22/12 17:33	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	15	U	ug/kg dry	15	6/12/12 11:38	6/22/12 17:33	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	15	U	ug/kg dry	15	6/12/12 11:38	6/22/12 17:33	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	15	U	ug/kg dry	15	6/12/12 11:38	6/22/12 17:33	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	15	U	ug/kg dry	15	6/12/12 11:38	6/22/12 17:33	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	15	U	ug/kg dry	15	6/12/12 11:38	6/22/12 17:33	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	15	U	ug/kg dry	15	6/12/12 11:38	6/22/12 17:33	EPA 8082

PCB Aroclors (PCBA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1206052 - E 3545A Modified										
Blank (1206052-BLK1)				Prepared: 06/11/12 Analyzed: 06/25/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*14.2*		*ug/kg dry*	*16.932*		*83.9*	*20.6-118*			
Surrogate: Tetrachloro-meta-xylene [2C]	*14.4*		*"*	*16.932*		*85.1*	*20.6-118*			
Surrogate: Decachlorobiphenyl (DCB)	*33.9*		*"*	*33.864*		*100*	*23.5-156*			
Surrogate: Decachlorobiphenyl (DCB) [2C]	*34.4*		*"*	*33.864*		*102*	*23.5-156*			
PCB-1221 (Aroclor 1221)	U	17	"							U
PCB-1221 (Aroclor 1221) [2C]	U	17	"							U
PCB-1232 (Aroclor 1232)	U	8.5	"							U
PCB-1232 (Aroclor 1232) [2C]	U	8.5	"							U
PCB-1016 (Aroclor 1016)	U	8.5	"							U
PCB-1016 (Aroclor 1016) [2C]	U	8.5	"							U
PCB-1242 (Aroclor 1242)	U	8.5	"							U
PCB-1242 (Aroclor 1242) [2C]	U	8.5	"							U
PCB-1248 (Aroclor 1248)	U	8.5	"							U
PCB-1248 (Aroclor 1248) [2C]	U	8.5	"							U
PCB-1254 (Aroclor 1254)	U	8.5	"							U
PCB-1254 (Aroclor 1254) [2C]	U	8.5	"							U
PCB-1260 (Aroclor 1260)	U	8.5	"							U
PCB-1260 (Aroclor 1260) [2C]	U	8.5	"							U
PCB-1262 (Aroclor 1262)	U	8.5	"							U
PCB-1262 (Aroclor 1262) [2C]	U	8.5	"							U
PCB-1268 (Aroclor 1268)	U	8.5	"							U
PCB-1268 (Aroclor 1268) [2C]	U	8.5	"							U
LCS (1206052-BS1)				Prepared: 06/11/12 Analyzed: 06/25/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*13.5*		*ug/kg dry*	*16.926*		*79.7*	*20.6-118*			
Surrogate: Tetrachloro-meta-xylene [2C]	*13.5*		*"*	*16.926*		*79.6*	*20.6-118*			
Surrogate: Decachlorobiphenyl (DCB)	*32.2*		*"*	*33.852*		*95.0*	*23.5-156*			
Surrogate: Decachlorobiphenyl (DCB) [2C]	*32.6*		*"*	*33.852*		*96.3*	*23.5-156*			
PCB-1221 (Aroclor 1221)	U	85	"				46.6-138			U
PCB-1221 (Aroclor 1221) [2C]	U	85	"				46.6-138			U
PCB-1232 (Aroclor 1232)	153.60	42	"	169.26		90.7	46.6-138			
PCB-1232 (Aroclor 1232) [2C]	151.96	42	"	169.26		89.8	46.6-138			
PCB-1016 (Aroclor 1016)	U	42	"				46.6-138			U
PCB-1016 (Aroclor 1016) [2C]	U	42	"				46.6-138			U
PCB-1242 (Aroclor 1242)	U	42	"				46.6-138			U
PCB-1242 (Aroclor 1242) [2C]	U	42	"				46.6-138			U

PCB Aroclors (PCBA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1206052 - E 3545A Modified										
LCS (1206052-BS1)				Prepared: 06/11/12 Analyzed: 06/26/12						
PCB-1248 (Aroclor 1248)	U	42	ug/kg dry				46.6-138			U
PCB-1248 (Aroclor 1248) [2C]	U	42	"				46.6-138			U
PCB-1254 (Aroclor 1254)	U	42	"				52-134			U
PCB-1254 (Aroclor 1254) [2C]	U	42	"				52-134			U
PCB-1260 (Aroclor 1260)	U	42	"				52-134			U
PCB-1260 (Aroclor 1260) [2C]	U	42	"				52-134			U
PCB-1262 (Aroclor 1262)	165.18	42	"	169.26		97.6	52-134			
PCB-1262 (Aroclor 1262) [2C]	165.46	42	"	169.26		97.8	52-134			
PCB-1268 (Aroclor 1268)	U	42	"				52-134			U
PCB-1268 (Aroclor 1268) [2C]	U	42	"				52-134			U
Matrix Spike (1206052-MS1)	**Source: E122306-21**			Prepared: 06/11/12 Analyzed: 06/25/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*22.4*		*ug/kg dry*	*30.506*		*73.3*	*20.6-118*			
Surrogate: Tetrachloro-meta-xylene [2C]	*22.3*		*"*	*30.506*		*73.0*	*20.6-118*			
Surrogate: Decachlorobiphenyl (DCB)	*45.7*		*"*	*61.013*		*74.9*	*23.5-156*			
Surrogate: Decachlorobiphenyl (DCB) [2C]	*46.3*		*"*	*61.013*		*75.9*	*23.5-156*			
PCB-1221 (Aroclor 1221)	U	150	"		U		25.5-136			U
PCB-1221 (Aroclor 1221) [2C]	U	150	"		U		25.5-136			U
PCB-1232 (Aroclor 1232)	1539.9	76	"	305.06	U	505	25.5-136			X-3
PCB-1232 (Aroclor 1232) [2C]	1620.1	76	"	305.06	U	531	25.5-136			X-3
PCB-1016 (Aroclor 1016)	U	76	"		U		25.5-136			U
PCB-1016 (Aroclor 1016) [2C]	U	76	"		U		25.5-136			U
PCB-1242 (Aroclor 1242)	U	76	"		U		25.5-136			U
PCB-1242 (Aroclor 1242) [2C]	U	76	"		U		25.5-136			U
PCB-1248 (Aroclor 1248)	U	76	"		1006.9		25.5-136			U
PCB-1248 (Aroclor 1248) [2C]	U	76	"		912.55		25.5-136			U
PCB-1254 (Aroclor 1254)	U	76	"		U		16.1-145			U
PCB-1254 (Aroclor 1254) [2C]	U	76	"		U		16.1-145			U
PCB-1260 (Aroclor 1260)	U	76	"		U		16.1-145			U
PCB-1260 (Aroclor 1260) [2C]	U	76	"		U		16.1-145			U
PCB-1262 (Aroclor 1262)	172.16	76	"	305.06	U	56.4	16.1-145			
PCB-1262 (Aroclor 1262) [2C]	235.45	76	"	305.06	U	77.2	16.1-145			
PCB-1268 (Aroclor 1268)	U	76	"		U		16.1-145			U
PCB-1268 (Aroclor 1268) [2C]	U	76	"		U		16.1-145			U

PCB Aroclors (PCBA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1206052 - E 3545A Modified										
Matrix Spike Dup (1206052-MSD1)	**Source: E122306-21**			Prepared: 06/11/12 Analyzed: 06/25/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*24.0*		*ug/kg dry*	*30.506*		*78.5*	*20.6-118*			
Surrogate: Tetrachloro-meta-xylene [2C]	*23.8*		*"*	*30.506*		*78.0*	*20.6-118*			
Surrogate: Decachlorobiphenyl (DCB)	*45.9*		*"*	*61.013*		*75.2*	*23.5-156*			
Surrogate: Decachlorobiphenyl (DCB) [2C]	*46.4*		*"*	*61.013*		*76.1*	*23.5-156*			
PCB-1221 (Aroclor 1221)	U	150	"		U		25.5-136		36.4	U
PCB-1221 (Aroclor 1221) [2C]	U	150	"		U		25.5-136		36.4	U
PCB-1232 (Aroclor 1232)	991.59	76	"	305.06	U	325	25.5-136	43.3	36.4	X-3
PCB-1232 (Aroclor 1232) [2C]	1041.5	76	"	305.06	U	341	25.5-136	43.5	36.4	X-3
PCB-1016 (Aroclor 1016)	U	76	"		U		25.5-136		36.4	U
PCB-1016 (Aroclor 1016) [2C]	U	76	"		U		25.5-136		36.4	U
PCB-1242 (Aroclor 1242)	U	76	"		U		25.5-136		36.4	U
PCB-1242 (Aroclor 1242) [2C]	U	76	"		U		25.5-136		36.4	U
PCB-1248 (Aroclor 1248)	U	76	"		1006.9		25.5-136		36.4	U
PCB-1248 (Aroclor 1248) [2C]	U	76	"		912.55		25.5-136		36.4	U
PCB-1254 (Aroclor 1254)	U	76	"		U		16.1-145		34.4	U
PCB-1254 (Aroclor 1254) [2C]	U	76	"		U		16.1-145		34.4	U
PCB-1260 (Aroclor 1260)	U	76	"		U		16.1-145		34.4	U
PCB-1260 (Aroclor 1260) [2C]	U	76	"		U		16.1-145		34.4	U
PCB-1262 (Aroclor 1262)	197.51	76	"	305.06	U	64.7	16.1-145	13.7	34.4	
PCB-1262 (Aroclor 1262) [2C]	255.31	76	"	305.06	U	83.7	16.1-145	8.09	34.4	
PCB-1268 (Aroclor 1268)	U	76	"		U		16.1-145		34.4	U
PCB-1268 (Aroclor 1268) [2C]	U	76	"		U		16.1-145		34.4	U
MRL Verification (1206052-PS1)				Prepared: 06/11/12 Analyzed: 06/25/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*13.2*		*ug/kg dry*	*16.898*		*78.0*	*20.6-118*			
Surrogate: Tetrachloro-meta-xylene [2C]	*13.3*		*"*	*16.898*		*78.9*	*20.6-118*			
Surrogate: Decachlorobiphenyl (DCB)	*31.2*		*"*	*33.795*		*92.3*	*23.5-156*			
Surrogate: Decachlorobiphenyl (DCB) [2C]	*31.6*		*"*	*33.795*		*93.4*	*23.5-156*			
PCB-1221 (Aroclor 1221)	U	17	"				26.6-158			U
PCB-1221 (Aroclor 1221) [2C]	U	17	"				26.6-158			U
PCB-1232 (Aroclor 1232)	8.5948	8.4	"	8.4488		102	26.6-158			MRL-3
PCB-1232 (Aroclor 1232) [2C]	9.5738	8.4	"	8.4488		113	26.6-158			MRL-3
PCB-1016 (Aroclor 1016)	U	8.4	"				26.6-158			U
PCB-1016 (Aroclor 1016) [2C]	U	8.4	"				26.6-158			U
PCB-1242 (Aroclor 1242)	U	8.4	"				26.6-158			U
PCB-1242 (Aroclor 1242) [2C]	U	8.4	"				26.6-158			U

PCB Aroclors (PCBA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1206052 - E 3545A Modified										
MRL Verification (1206052-PS1)				Prepared: 06/11/12 Analyzed: 06/26/12						
PCB-1248 (Aroclor 1248)	U	8.4	ug/kg dry				26.6-158			U
PCB-1248 (Aroclor 1248) [2C]	U	8.4	"				26.6-158			U
PCB-1254 (Aroclor 1254)	U	8.4	"				32-154			U
PCB-1254 (Aroclor 1254) [2C]	U	8.4	"				32-154			U
PCB-1260 (Aroclor 1260)	U	8.4	"				32-154			U
PCB-1260 (Aroclor 1260) [2C]	U	8.4	"				32-154			U
PCB-1262 (Aroclor 1262)	12.121	8.4	"	8.4488		143	32-154			MRL-3
PCB-1262 (Aroclor 1262) [2C]	9.0858	8.4	"	8.4488		108	32-154			MRL-3
PCB-1268 (Aroclor 1268)	U	8.4	"				32-154			U
PCB-1268 (Aroclor 1268) [2C]	U	8.4	"				32-154			U
Batch 1206064 - E 3545A Modified										
Blank (1206064-BLK1)				Prepared: 06/12/12 Analyzed: 06/22/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*14.0*		*ug/kg dry*	*20.383*		*68.8*	*20.6-118*			
Surrogate: Tetrachloro-meta-xylene [2C]	*14.0*		*"*	*20.383*		*68.6*	*20.6-118*			
Surrogate: Decachlorobiphenyl (DCB)	*32.7*		*"*	*40.766*		*80.3*	*23.5-156*			
Surrogate: Decachlorobiphenyl (DCB) [2C]	*32.4*		*"*	*40.766*		*79.4*	*23.5-156*			
PCB-1221 (Aroclor 1221)	U	20	"							U
PCB-1221 (Aroclor 1221) [2C]	U	20	"							U
PCB-1232 (Aroclor 1232)	U	10	"							U
PCB-1232 (Aroclor 1232) [2C]	U	10	"							U
PCB-1016 (Aroclor 1016)	U	10	"							U
PCB-1016 (Aroclor 1016) [2C]	U	10	"							U
PCB-1242 (Aroclor 1242)	U	10	"							U
PCB-1242 (Aroclor 1242) [2C]	U	10	"							U
PCB-1248 (Aroclor 1248)	U	10	"							U
PCB-1248 (Aroclor 1248) [2C]	U	10	"							U
PCB-1254 (Aroclor 1254)	U	10	"							U
PCB-1254 (Aroclor 1254) [2C]	U	10	"							U
PCB-1260 (Aroclor 1260)	U	10	"							U
PCB-1260 (Aroclor 1260) [2C]	U	10	"							U
PCB-1262 (Aroclor 1262)	U	10	"							U
PCB-1262 (Aroclor 1262) [2C]	U	10	"							U
PCB-1268 (Aroclor 1268)	U	10	"							U
PCB-1268 (Aroclor 1268) [2C]	U	10	"							U

PCB Aroclors (PCBA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1206064 - E 3545A Modified										
LCS (1206064-BS1)				Prepared: 06/12/12 Analyzed: 06/22/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*16.5*		*ug/kg dry*	*20.309*		*81.1*	*20.6-118*			
Surrogate: Tetrachloro-meta-xylene [2C]	*16.0*		*"*	*20.309*		*79.0*	*20.6-118*			
Surrogate: Decachlorobiphenyl (DCB)	*38.3*		*"*	*40.617*		*94.3*	*23.5-156*			
Surrogate: Decachlorobiphenyl (DCB) [2C]	*37.4*		*"*	*40.617*		*92.1*	*23.5-156*			
PCB-1221 (Aroclor 1221)	U	100	"				46.6-138			U
PCB-1221 (Aroclor 1221) [2C]	U	100	"				46.6-138			U
PCB-1232 (Aroclor 1232)	185.38	51	"	203.09		91.3	46.6-138			
PCB-1232 (Aroclor 1232) [2C]	186.23	51	"	203.09		91.7	46.6-138			
PCB-1016 (Aroclor 1016)	U	51	"				46.6-138			U
PCB-1016 (Aroclor 1016) [2C]	U	51	"				46.6-138			U
PCB-1242 (Aroclor 1242)	U	51	"				46.6-138			U
PCB-1242 (Aroclor 1242) [2C]	U	51	"				46.6-138			U
PCB-1248 (Aroclor 1248)	U	51	"				46.6-138			U
PCB-1248 (Aroclor 1248) [2C]	U	51	"				46.6-138			U
PCB-1254 (Aroclor 1254)	U	51	"				52-134			U
PCB-1254 (Aroclor 1254) [2C]	U	51	"				52-134			U
PCB-1260 (Aroclor 1260)	U	51	"				52-134			U
PCB-1260 (Aroclor 1260) [2C]	U	51	"				52-134			U
PCB-1262 (Aroclor 1262)	196.20	51	"	203.09		96.6	52-134			
PCB-1262 (Aroclor 1262) [2C]	197.17	51	"	203.09		97.1	52-134			
PCB-1268 (Aroclor 1268)	U	51	"				52-134			U
PCB-1268 (Aroclor 1268) [2C]	U	51	"				52-134			U
MRL Verification (1206064-PS1)				Prepared: 06/12/12 Analyzed: 06/22/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*16.1*		*ug/kg dry*	*20.350*		*79.2*	*20.6-118*			
Surrogate: Tetrachloro-meta-xylene [2C]	*16.1*		*"*	*20.350*		*79.2*	*20.6-118*			
Surrogate: Decachlorobiphenyl (DCB)	*38.3*		*"*	*40.700*		*94.1*	*23.5-156*			
Surrogate: Decachlorobiphenyl (DCB) [2C]	*37.3*		*"*	*40.700*		*91.6*	*23.5-156*			
PCB-1221 (Aroclor 1221)	U	20	"				26.6-158			U
PCB-1221 (Aroclor 1221) [2C]	U	20	"				26.6-158			U
PCB-1232 (Aroclor 1232)	8.5144	10	"	10.175		83.7	26.6-158			MRL-2, U
PCB-1232 (Aroclor 1232) [2C]	9.0354	10	"	10.175		88.8	26.6-158			MRL-2, U
PCB-1016 (Aroclor 1016)	U	10	"				26.6-158			U
PCB-1016 (Aroclor 1016) [2C]	U	10	"				26.6-158			U
PCB-1242 (Aroclor 1242)	U	10	"				26.6-158			U

PCB Aroclors (PCBA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1206064 - E 3545A Modified										
MRL Verification (1206064-PS1)				Prepared: 06/12/12 Analyzed: 06/22/12						
PCB-1242 (Aroclor 1242) [2C]	U	10	ug/kg dry				26.6-158			U
PCB-1248 (Aroclor 1248)	U	10	"				26.6-158			U
PCB-1248 (Aroclor 1248) [2C]	U	10	"				26.6-158			U
PCB-1254 (Aroclor 1254)	U	10	"				32-154			U
PCB-1254 (Aroclor 1254) [2C]	U	10	"				32-154			U
PCB-1260 (Aroclor 1260)	U	10	"				32-154			U
PCB-1260 (Aroclor 1260) [2C]	U	10	"				32-154			U
PCB-1262 (Aroclor 1262)	10.990	10	"	10.175		108	32-154			MRL-2
PCB-1262 (Aroclor 1262) [2C]	10.756	10	"	10.175		106	32-154			MRL-2
PCB-1268 (Aroclor 1268)	U	10	"				32-154			U
PCB-1268 (Aroclor 1268) [2C]	U	10	"				32-154			U

Notes and Definitions for QC Samples

U	The analyte was not detected at or above the reporting limit.
MRL-2	MRL verification for Non-Potable Water matrix
MRL-3	MRL verification for Soil matrix
X-3	Co-eluting/interfering target analyte(s) preclude recovery calculation

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 12-0468
Project: 12-0468, Waynesboro City Ldfl - Reported by Jeannie Williamson

July 17, 2012

4SESD-ASB

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 12-0468, Waynesboro City Ldfl
Superfund Remedial

FROM: Jeannie Williamson
OCS Chemist

THRU: Sallie Hale, Chief
ASB Organic Chemistry Section

TO: John Nolen

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the Analytical Support Branch's (ASB) Laboratory Operations and Quality Assurance Manual (ASB LOQAM) found at www.epa.gov/region4/sesd/asbsop. Any unique project data quality objectives specified in writing by the data requestor have also been incorporated into the data unless otherwise noted in the Report Narrative. Chemistry data have been verified based on the ASB LOQAM specifications and may have been qualified if the applicable quality control criteria were not met. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report. The reported results are accurate within the limits of the method(s) and are representative only of the samples as received by the laboratory.

Analyses Included in this report:	Method Used:
PCB Aroclors (PCBA)	
PCB aroclors	EPA 8082

Sample Disposal Policy

Because of the laboratory's limited space for long term sample storage, our policy is to dispose of samples on a periodic schedule. Please note that within 60 days of this memo, the original samples and all sample extracts and/or sample digestates will be disposed of in accordance with applicable regulations. The 60-day sample disposal policy does not apply to criminal samples which are held until the laboratory is notified by the criminal investigators that case development and litigation are complete.

These samples may be held in the laboratory's custody for a longer period of time if you have a special project need. If you wish for the laboratory to hold samples beyond the 60-day period, please contact our Sample Control Coordinator, Debbie Colquitt, by e-mail at Colquitt.Debbie@epa.gov, and provide a reason for holding samples beyond 60 days

cc: Nardina Turner

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SAMPLES INCLUDED IN THIS REPORT

Project: 12-0468, Waynesboro City Ldfl

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
ER010612SD	E122305-01	Sediment	6/5/12 10:14	6/8/12 9:53
ER020612SD	E122305-02	Sediment	6/5/12 10:35	6/8/12 9:53
ER030612SD	E122305-03	Sediment	6/5/12 11:44	6/8/12 9:53
ER030612SDD	E122305-04	Sediment	6/5/12 11:49	6/8/12 9:53
ER050612SD	E122305-06	Sediment	6/5/12 14:08	6/8/12 9:53
ER060612SD	E122305-07	Sediment	6/5/12 12:30	6/8/12 9:53
ER070612SD	E122305-08	Sediment	6/5/12 11:50	6/8/12 9:53
ER080612SFL	E122305-09	Surface Soil	6/5/12 10:45	6/8/12 9:53
ER080612SFR	E122305-10	Surface Soil	6/5/12 10:49	6/8/12 9:53
ER090612SFL	E122305-11	Surface Soil	6/5/12 12:10	6/8/12 9:53
ER090612SFR	E122305-12	Surface Soil	6/5/12 12:01	6/8/12 9:53
ER090612SFRD	E122305-13	Surface Soil	6/5/12 12:04	6/8/12 9:53
ER100612SFL	E122305-14	Surface Soil	6/5/12 13:50	6/8/12 9:53
ER100612SFR	E122305-15	Surface Soil	6/5/12 13:40	6/8/12 9:53
ER110612SFL	E122305-16	Surface Soil	6/5/12 14:18	6/8/12 9:53
ER110612SFLD	E122305-17	Surface Soil	6/5/12 14:18	6/8/12 9:53
ER110612SFR	E122305-18	Surface Soil	6/5/12 14:22	6/8/12 9:53
ER120612SFL	E122305-19	Surface Soil	6/5/12 12:33	6/8/12 9:53
ER120612SFR	E122305-20	Surface Soil	6/5/12 12:36	6/8/12 9:53
ER130612SFL	E122305-21	Surface Soil	6/5/12 11:53	6/8/12 9:53
ER130612SFR	E122305-22	Surface Soil	6/5/12 11:58	6/8/12 9:53

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DATA QUALIFIER DEFINITIONS

U	The analyte was not detected at or above the reporting limit.
CR	MRL elevated due to presence of Ar1248.
CRa	Sample diluted due to presence of high levels of target Aroclor resulting in elevated MRLs.
T-0	No temperature blank present for cooler this sample was received in.

ACRONYMS AND ABBREVIATIONS

CAS Chemical Abstracts Service

Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.

MDL Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.

MRL Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.

TIC Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.

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PCB Aroclors

Project: 12-0468, Waynesboro City Ldfl

Sample ID: ER010612SD **Lab ID:** E122305-01

Station ID: ER01 **Matrix:** Sediment

Date Collected: 6/5/12 10:14

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	130000	U, CR, T-0	ug/kg dry	130000	6/12/12 11:38	6/25/12 17:25	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	250000	U, CR, T-0	ug/kg dry	250000	6/12/12 11:38	6/25/12 17:25	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	130000	U, CR, T-0	ug/kg dry	130000	6/12/12 11:38	6/25/12 17:25	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	130000	U, CR, T-0	ug/kg dry	130000	6/12/12 11:38	6/25/12 17:25	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	120000	T-0	ug/kg dry	13000	6/12/12 11:38	6/25/12 17:25	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	13000	U, CRa, T-0	ug/kg dry	13000	6/12/12 11:38	6/25/12 17:25	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	13000	U, CRa, T-0	ug/kg dry	13000	6/12/12 11:38	6/25/12 17:25	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	13000	U, CRa, T-0	ug/kg dry	13000	6/12/12 11:38	6/25/12 17:25	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	13000	U, CRa, T-0	ug/kg dry	13000	6/12/12 11:38	6/25/12 17:25	EPA 8082

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PCB Aroclors

Project: 12-0468, Waynesboro City Ldfl

Sample ID: ER020612SD **Lab ID:** E122305-02

Station ID: ER02 **Matrix:** Sediment

Date Collected: 6/5/12 10:35

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	170000	U, CR, T-0	ug/kg dry	170000	6/12/12 11:38	6/25/12 16:58	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	350000	U, CR, T-0	ug/kg dry	350000	6/12/12 11:38	6/25/12 16:58	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	170000	U, CR, T-0	ug/kg dry	170000	6/12/12 11:38	6/25/12 16:58	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	170000	U, CR, T-0	ug/kg dry	170000	6/12/12 11:38	6/25/12 16:58	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	160000	T-0	ug/kg dry	16000	6/12/12 11:38	6/25/12 16:58	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	16000	U, CRa, T-0	ug/kg dry	16000	6/12/12 11:38	6/25/12 16:58	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	16000	U, CRa, T-0	ug/kg dry	16000	6/12/12 11:38	6/25/12 16:58	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	16000	U, CRa, T-0	ug/kg dry	16000	6/12/12 11:38	6/25/12 16:58	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	16000	U, CRa, T-0	ug/kg dry	16000	6/12/12 11:38	6/25/12 16:58	EPA 8082

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PCB Aroclors

Project: 12-0468, Waynesboro City Ldfl

Sample ID: ER030612SD **Lab ID:** E122305-03

Station ID: ER03 **Matrix:** Sediment

Date Collected: 6/5/12 11:44

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	24000	U, CR, T-0	ug/kg dry	24000	6/12/12 11:38	6/25/12 13:40	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	48000	U, CR, T-0	ug/kg dry	48000	6/12/12 11:38	6/25/12 13:40	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	24000	U, CR, T-0	ug/kg dry	24000	6/12/12 11:38	6/25/12 13:40	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	24000	U, CR, T-0	ug/kg dry	24000	6/12/12 11:38	6/25/12 13:40	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	23000	T-0	ug/kg dry	2600	6/12/12 11:38	6/25/12 13:40	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	2600	U, CRa, T-0	ug/kg dry	2600	6/12/12 11:38	6/25/12 13:40	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	2600	U, CRa, T-0	ug/kg dry	2600	6/12/12 11:38	6/25/12 13:40	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	2600	U, CRa, T-0	ug/kg dry	2600	6/12/12 11:38	6/25/12 13:40	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	2600	U, CRa, T-0	ug/kg dry	2600	6/12/12 11:38	6/25/12 13:40	EPA 8082

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PCB Aroclors

Project: 12-0468, Waynesboro City Ldfl

Sample ID: ER030612SDD **Lab ID:** E122305-04

Station ID: ER03 **Matrix:** Sediment

Date Collected: 6/5/12 11:49

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	41000	U, CR, T-0	ug/kg dry	41000	6/12/12 11:38	6/25/12 17:11	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	81000	U, CR, T-0	ug/kg dry	81000	6/12/12 11:38	6/25/12 17:11	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	41000	U, CR, T-0	ug/kg dry	41000	6/12/12 11:38	6/25/12 17:11	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	41000	U, CR, T-0	ug/kg dry	41000	6/12/12 11:38	6/25/12 17:11	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	40000	T-0	ug/kg dry	6900	6/12/12 11:38	6/25/12 17:11	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	6900	U, CRa, T-0	ug/kg dry	6900	6/12/12 11:38	6/25/12 17:11	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	6900	U, CRa, T-0	ug/kg dry	6900	6/12/12 11:38	6/25/12 17:11	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	6900	U, CRa, T-0	ug/kg dry	6900	6/12/12 11:38	6/25/12 17:11	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	6900	U, CRa, T-0	ug/kg dry	6900	6/12/12 11:38	6/25/12 17:11	EPA 8082

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PCB Aroclors

Project: 12-0468, Waynesboro City Ldfl

Sample ID: ER050612SD **Lab ID:** E122305-06

Station ID: ER05 **Matrix:** Sediment

Date Collected: 6/5/12 14:08

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	3300	U, CR, T-0	ug/kg dry	3300	6/12/12 11:38	6/25/12 14:07	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	6700	U, CR, T-0	ug/kg dry	6700	6/12/12 11:38	6/25/12 14:07	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	3300	U, CR, T-0	ug/kg dry	3300	6/12/12 11:38	6/25/12 14:07	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	3300	U, CR, T-0	ug/kg dry	3300	6/12/12 11:38	6/25/12 14:07	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	3200	T-0	ug/kg dry	350	6/12/12 11:38	6/25/12 14:07	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	350	U, CRa, T-0	ug/kg dry	350	6/12/12 11:38	6/25/12 14:07	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	350	U, CRa, T-0	ug/kg dry	350	6/12/12 11:38	6/25/12 14:07	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	350	U, CRa, T-0	ug/kg dry	350	6/12/12 11:38	6/25/12 14:07	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	350	U, CRa, T-0	ug/kg dry	350	6/12/12 11:38	6/25/12 14:07	EPA 8082

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PCB Aroclors

Project: 12-0468, Waynesboro City Ldfl

Sample ID: ER060612SD **Lab ID:** E122305-07

Station ID: ER06 **Matrix:** Sediment

Date Collected: 6/5/12 12:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	390	U, CR	ug/kg dry	390	6/13/12 9:34	7/10/12 6:57	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	780	U, CR	ug/kg dry	780	6/13/12 9:34	7/10/12 6:57	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	390	U, CR	ug/kg dry	390	6/13/12 9:34	7/10/12 6:57	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	390	U, CR	ug/kg dry	390	6/13/12 9:34	7/10/12 6:57	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	380		ug/kg dry	70	6/13/12 9:34	7/10/12 6:57	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	70	U, CRa	ug/kg dry	70	6/13/12 9:34	7/10/12 6:57	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	70	U, CRa	ug/kg dry	70	6/13/12 9:34	7/10/12 6:57	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	70	U, CRa	ug/kg dry	70	6/13/12 9:34	7/10/12 6:57	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	70	U, CRa	ug/kg dry	70	6/13/12 9:34	7/10/12 6:57	EPA 8082

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PCB Aroclors

Project: 12-0468, Waynesboro City Ldfl

Sample ID: ER070612SD **Lab ID:** E122305-08

Station ID: ER07 **Matrix:** Sediment

Date Collected: 6/5/12 11:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	310	U, CR	ug/kg dry	310	6/13/12 9:34	7/10/12 7:16	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	620	U, CR	ug/kg dry	620	6/13/12 9:34	7/10/12 7:16	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	310	U, CR	ug/kg dry	310	6/13/12 9:34	7/10/12 7:16	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	310	U, CR	ug/kg dry	310	6/13/12 9:34	7/10/12 7:16	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	300		ug/kg dry	140	6/13/12 9:34	7/10/12 7:16	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	140	U, CRa	ug/kg dry	140	6/13/12 9:34	7/10/12 7:16	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	140	U, CRa	ug/kg dry	140	6/13/12 9:34	7/10/12 7:16	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	140	U, CRa	ug/kg dry	140	6/13/12 9:34	7/10/12 7:16	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	140	U, CRa	ug/kg dry	140	6/13/12 9:34	7/10/12 7:16	EPA 8082

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PCB Aroclors

Project: 12-0468, Waynesboro City Ldfl

Sample ID: ER080612SFL **Lab ID:** E122305-09

Station ID: ER08 **Matrix:** Surface Soil

Date Collected: 6/5/12 10:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	32000	U, CR	ug/kg dry	32000	6/13/12 9:34	7/10/12 7:35	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	64000	U, CR	ug/kg dry	64000	6/13/12 9:34	7/10/12 7:35	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	32000	U, CR	ug/kg dry	32000	6/13/12 9:34	7/10/12 7:35	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	32000	U, CR	ug/kg dry	32000	6/13/12 9:34	7/10/12 7:35	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	31000		ug/kg dry	6800	6/13/12 9:34	7/10/12 7:35	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	6800	U, CRa	ug/kg dry	6800	6/13/12 9:34	7/10/12 7:35	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	6800	U, CRa	ug/kg dry	6800	6/13/12 9:34	7/10/12 7:35	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	6800	U, CRa	ug/kg dry	6800	6/13/12 9:34	7/10/12 7:35	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	6800	U, CRa	ug/kg dry	6800	6/13/12 9:34	7/10/12 7:35	EPA 8082

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PCB Aroclors

Project: 12-0468, Waynesboro City Ldfl

Sample ID: ER080612SFR **Lab ID:** E122305-10

Station ID: ER08 **Matrix:** Surface Soil

Date Collected: 6/5/12 10:49

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	56000	U, CR	ug/kg dry	56000	6/13/12 9:34	7/10/12 7:53	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	110000	U, CR	ug/kg dry	110000	6/13/12 9:34	7/10/12 7:53	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	56000	U, CR	ug/kg dry	56000	6/13/12 9:34	7/10/12 7:53	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	56000	U, CR	ug/kg dry	56000	6/13/12 9:34	7/10/12 7:53	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	55000		ug/kg dry	7300	6/13/12 9:34	7/10/12 7:53	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	7300	U, CRa	ug/kg dry	7300	6/13/12 9:34	7/10/12 7:53	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	7300	U, CRa	ug/kg dry	7300	6/13/12 9:34	7/10/12 7:53	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	7300	U, CRa	ug/kg dry	7300	6/13/12 9:34	7/10/12 7:53	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	7300	U, CRa	ug/kg dry	7300	6/13/12 9:34	7/10/12 7:53	EPA 8082

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PCB Aroclors

Project: 12-0468, Waynesboro City Ldfl

Sample ID: ER090612SFL **Lab ID:** E122305-11

Station ID: ER09 **Matrix:** Surface Soil

Date Collected: 6/5/12 12:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	4700	U, CR	ug/kg dry	4700	6/13/12 9:34	7/10/12 8:12	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	9300	U, CR	ug/kg dry	9300	6/13/12 9:34	7/10/12 8:12	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	4700	U, CR	ug/kg dry	4700	6/13/12 9:34	7/10/12 8:12	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	4700	U, CR	ug/kg dry	4700	6/13/12 9:34	7/10/12 8:12	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	4600		ug/kg dry	710	6/13/12 9:34	7/10/12 8:12	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	710	U, CRa	ug/kg dry	710	6/13/12 9:34	7/10/12 8:12	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	710	U, CRa	ug/kg dry	710	6/13/12 9:34	7/10/12 8:12	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	710	U, CRa	ug/kg dry	710	6/13/12 9:34	7/10/12 8:12	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	710	U, CRa	ug/kg dry	710	6/13/12 9:34	7/10/12 8:12	EPA 8082

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PCB Aroclors

Project: 12-0468, Waynesboro City Ldfl

Sample ID: ER090612SFR **Lab ID:** E122305-12

Station ID: ER09 **Matrix:** Surface Soil

Date Collected: 6/5/12 12:01

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	4300	U, CR	ug/kg dry	4300	6/13/12 9:34	7/10/12 8:31	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	8600	U, CR	ug/kg dry	8600	6/13/12 9:34	7/10/12 8:31	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	4300	U, CR	ug/kg dry	4300	6/13/12 9:34	7/10/12 8:31	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	4300	U, CR	ug/kg dry	4300	6/13/12 9:34	7/10/12 8:31	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	4200		ug/kg dry	720	6/13/12 9:34	7/10/12 8:31	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	720	U, CRa	ug/kg dry	720	6/13/12 9:34	7/10/12 8:31	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	720	U, CRa	ug/kg dry	720	6/13/12 9:34	7/10/12 8:31	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	720	U, CRa	ug/kg dry	720	6/13/12 9:34	7/10/12 8:31	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	720	U, CRa	ug/kg dry	720	6/13/12 9:34	7/10/12 8:31	EPA 8082

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PCB Aroclors

Project: 12-0468, Waynesboro City Ldfl

Sample ID: ER090612SFRD **Lab ID:** E122305-13

Station ID: ER09 **Matrix:** Surface Soil

Date Collected: 6/5/12 12:04

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	12000	U, CR	ug/kg dry	12000	6/13/12 9:34	7/10/12 8:50	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	24000	U, CR	ug/kg dry	24000	6/13/12 9:34	7/10/12 8:50	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	12000	U, CR	ug/kg dry	12000	6/13/12 9:34	7/10/12 8:50	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	12000	U, CR	ug/kg dry	12000	6/13/12 9:34	7/10/12 8:50	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	11000		ug/kg dry	1500	6/13/12 9:34	7/10/12 8:50	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	1500	U, CRa	ug/kg dry	1500	6/13/12 9:34	7/10/12 8:50	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	1500	U, CRa	ug/kg dry	1500	6/13/12 9:34	7/10/12 8:50	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	1500	U, CRa	ug/kg dry	1500	6/13/12 9:34	7/10/12 8:50	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	1500	U, CRa	ug/kg dry	1500	6/13/12 9:34	7/10/12 8:50	EPA 8082

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PCB Aroclors

Project: 12-0468, Waynesboro City Ldfl

Sample ID: ER100612SFL **Lab ID:** E122305-14

Station ID: ER10 **Matrix:** Surface Soil

Date Collected: 6/5/12 13:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	32000	U, CR	ug/kg dry	32000	6/13/12 9:34	7/10/12 9:08	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	64000	U, CR	ug/kg dry	64000	6/13/12 9:34	7/10/12 9:08	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	32000	U, CR	ug/kg dry	32000	6/13/12 9:34	7/10/12 9:08	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	32000	U, CR	ug/kg dry	32000	6/13/12 9:34	7/10/12 9:08	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	31000		ug/kg dry	3500	6/13/12 9:34	7/10/12 9:08	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	3500	U, CRa	ug/kg dry	3500	6/13/12 9:34	7/10/12 9:08	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	3500	U, CRa	ug/kg dry	3500	6/13/12 9:34	7/10/12 9:08	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	3500	U, CRa	ug/kg dry	3500	6/13/12 9:34	7/10/12 9:08	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	3500	U, CRa	ug/kg dry	3500	6/13/12 9:34	7/10/12 9:08	EPA 8082

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PCB Aroclors

Project: 12-0468, Waynesboro City Ldfl

Sample ID: ER100612SFR **Lab ID:** E122305-15

Station ID: ER10 **Matrix:** Surface Soil

Date Collected: 6/5/12 13:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	20000	U, CR	ug/kg dry	20000	6/13/12 9:34	7/10/12 9:27	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	40000	U, CR	ug/kg dry	40000	6/13/12 9:34	7/10/12 9:27	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	20000	U, CR	ug/kg dry	20000	6/13/12 9:34	7/10/12 9:27	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	20000	U, CR	ug/kg dry	20000	6/13/12 9:34	7/10/12 9:27	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	19000		ug/kg dry	3000	6/13/12 9:34	7/10/12 9:27	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	3000	U, CRa	ug/kg dry	3000	6/13/12 9:34	7/10/12 9:27	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	3000	U, CRa	ug/kg dry	3000	6/13/12 9:34	7/10/12 9:27	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	3000	U, CRa	ug/kg dry	3000	6/13/12 9:34	7/10/12 9:27	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	3000	U, CRa	ug/kg dry	3000	6/13/12 9:34	7/10/12 9:27	EPA 8082

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PCB Aroclors

Project: 12-0468, Waynesboro City Ldfl

Sample ID: ER110612SFL **Lab ID:** E122305-16

Station ID: ER11 **Matrix:** Surface Soil

Date Collected: 6/5/12 14:18

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	980	U, CR	ug/kg dry	980	6/13/12 9:34	7/10/12 9:46	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	2000	U, CR	ug/kg dry	2000	6/13/12 9:34	7/10/12 9:46	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	980	U, CR	ug/kg dry	980	6/13/12 9:34	7/10/12 9:46	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	980	U, CR	ug/kg dry	980	6/13/12 9:34	7/10/12 9:46	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	970		ug/kg dry	150	6/13/12 9:34	7/10/12 9:46	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	150	U, CRa	ug/kg dry	150	6/13/12 9:34	7/10/12 9:46	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	150	U, CRa	ug/kg dry	150	6/13/12 9:34	7/10/12 9:46	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	150	U, CRa	ug/kg dry	150	6/13/12 9:34	7/10/12 9:46	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	150	U, CRa	ug/kg dry	150	6/13/12 9:34	7/10/12 9:46	EPA 8082

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PCB Aroclors

Project: 12-0468, Waynesboro City Ldfl

Sample ID: ER110612SFLD **Lab ID:** E122305-17

Station ID: ER11 **Matrix:** Surface Soil

Date Collected: 6/5/12 14:18

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	1900	U, CR	ug/kg dry	1900	6/13/12 9:34	7/10/12 10:05	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	3800	U, CR	ug/kg dry	3800	6/13/12 9:34	7/10/12 10:05	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	1900	U, CR	ug/kg dry	1900	6/13/12 9:34	7/10/12 10:05	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	1900	U, CR	ug/kg dry	1900	6/13/12 9:34	7/10/12 10:05	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	1800		ug/kg dry	380	6/13/12 9:34	7/10/12 10:05	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	380	U, CRa	ug/kg dry	380	6/13/12 9:34	7/10/12 10:05	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	380	U, CRa	ug/kg dry	380	6/13/12 9:34	7/10/12 10:05	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	380	U, CRa	ug/kg dry	380	6/13/12 9:34	7/10/12 10:05	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	380	U, CRa	ug/kg dry	380	6/13/12 9:34	7/10/12 10:05	EPA 8082

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PCB Aroclors

Project: 12-0468, Waynesboro City Ldfl

Sample ID: ER110612SFR **Lab ID:** E122305-18

Station ID: ER11 **Matrix:** Surface Soil

Date Collected: 6/5/12 14:22

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	2100	U, CR	ug/kg dry	2100	6/13/12 9:34	7/10/12 10:23	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	4200	U, CR	ug/kg dry	4200	6/13/12 9:34	7/10/12 10:23	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	2100	U, CR	ug/kg dry	2100	6/13/12 9:34	7/10/12 10:23	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	2100	U, CR	ug/kg dry	2100	6/13/12 9:34	7/10/12 10:23	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	2000		ug/kg dry	380	6/13/12 9:34	7/10/12 10:23	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	380	U, CRa	ug/kg dry	380	6/13/12 9:34	7/10/12 10:23	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	380	U, CRa	ug/kg dry	380	6/13/12 9:34	7/10/12 10:23	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	380	U, CRa	ug/kg dry	380	6/13/12 9:34	7/10/12 10:23	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	380	U, CRa	ug/kg dry	380	6/13/12 9:34	7/10/12 10:23	EPA 8082

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PCB Aroclors

Project: 12-0468, Waynesboro City Ldfl

Sample ID: ER120612SFL **Lab ID:** E122305-19

Station ID: ER12 **Matrix:** Surface Soil

Date Collected: 6/5/12 12:33

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	560	U, CR	ug/kg dry	560	6/13/12 9:34	7/10/12 10:42	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	1100	U, CR	ug/kg dry	1100	6/13/12 9:34	7/10/12 10:42	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	560	U, CR	ug/kg dry	560	6/13/12 9:34	7/10/12 10:42	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	560	U, CR	ug/kg dry	560	6/13/12 9:34	7/10/12 10:42	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	550		ug/kg dry	77	6/13/12 9:34	7/10/12 10:42	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	77	U, CRa	ug/kg dry	77	6/13/12 9:34	7/10/12 10:42	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	77	U, CRa	ug/kg dry	77	6/13/12 9:34	7/10/12 10:42	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	77	U, CRa	ug/kg dry	77	6/13/12 9:34	7/10/12 10:42	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	77	U, CRa	ug/kg dry	77	6/13/12 9:34	7/10/12 10:42	EPA 8082

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PCB Aroclors

Project: 12-0468, Waynesboro City Ldfl

Sample ID: ER120612SFR **Lab ID:** E122305-20

Station ID: ER12 **Matrix:** Surface Soil

Date Collected: 6/5/12 12:36

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	570	U, CR	ug/kg dry	570	6/13/12 9:34	7/10/12 11:01	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	1100	U, CR	ug/kg dry	1100	6/13/12 9:34	7/10/12 11:01	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	570	U, CR	ug/kg dry	570	6/13/12 9:34	7/10/12 11:01	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	570	U, CR	ug/kg dry	570	6/13/12 9:34	7/10/12 11:01	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	560		ug/kg dry	65	6/13/12 9:34	7/10/12 11:01	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	65	U, CRa	ug/kg dry	65	6/13/12 9:34	7/10/12 11:01	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	65	U, CRa	ug/kg dry	65	6/13/12 9:34	7/10/12 11:01	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	65	U, CRa	ug/kg dry	65	6/13/12 9:34	7/10/12 11:01	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	65	U, CRa	ug/kg dry	65	6/13/12 9:34	7/10/12 11:01	EPA 8082

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PCB Aroclors

Project: 12-0468, Waynesboro City Ldfl

Sample ID: ER130612SFL **Lab ID:** E122305-21

Station ID: ER13 **Matrix:** Surface Soil

Date Collected: 6/5/12 11:53

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	590	U, CR	ug/kg dry	590	6/13/12 9:34	7/10/12 11:20	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	1200	U, CR	ug/kg dry	1200	6/13/12 9:34	7/10/12 11:20	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	590	U, CR	ug/kg dry	590	6/13/12 9:34	7/10/12 11:20	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	590	U, CR	ug/kg dry	590	6/13/12 9:34	7/10/12 11:20	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	580		ug/kg dry	85	6/13/12 9:34	7/10/12 11:20	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	85	U, CRa	ug/kg dry	85	6/13/12 9:34	7/10/12 11:20	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	85	U, CRa	ug/kg dry	85	6/13/12 9:34	7/10/12 11:20	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	85	U, CRa	ug/kg dry	85	6/13/12 9:34	7/10/12 11:20	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	85	U, CRa	ug/kg dry	85	6/13/12 9:34	7/10/12 11:20	EPA 8082

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D.A.R.T. Id: 12-0468
Project: 12-0468, Waynesboro City Ldfl - Reported by Jeannie Williamson

PCB Aroclors

Project: 12-0468, Waynesboro City Ldfl

Sample ID: ER130612SFR **Lab ID:** E122305-22

Station ID: ER13 **Matrix:** Surface Soil

Date Collected: 6/5/12 11:58

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	1900	U, CR	ug/kg dry	1900	6/13/12 9:34	7/10/12 11:38	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	3800	U, CR	ug/kg dry	3800	6/13/12 9:34	7/10/12 11:38	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	1900	U, CR	ug/kg dry	1900	6/13/12 9:34	7/10/12 11:38	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	1900	U, CR	ug/kg dry	1900	6/13/12 9:34	7/10/12 11:38	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	1800		ug/kg dry	290	6/13/12 9:34	7/10/12 11:38	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	290	U, CRa	ug/kg dry	290	6/13/12 9:34	7/10/12 11:38	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	290	U, CRa	ug/kg dry	290	6/13/12 9:34	7/10/12 11:38	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	290	U, CRa	ug/kg dry	290	6/13/12 9:34	7/10/12 11:38	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	290	U, CRa	ug/kg dry	290	6/13/12 9:34	7/10/12 11:38	EPA 8082

PCB Aroclors (PCBA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1206064 - E 3545A Modified										
Blank (1206064-BLK1)				Prepared: 06/12/12 Analyzed: 06/22/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*14.0*		*ug/kg dry*	*20.383*		*68.8*	*20.6-118*			
Surrogate: Tetrachloro-meta-xylene [2C]	*14.0*		*"*	*20.383*		*68.6*	*20.6-118*			
Surrogate: Decachlorobiphenyl (DCB)	*32.7*		*"*	*40.766*		*80.3*	*23.5-156*			
Surrogate: Decachlorobiphenyl (DCB) [2C]	*32.4*		*"*	*40.766*		*79.4*	*23.5-156*			
PCB-1221 (Aroclor 1221)	U	20	"							U
PCB-1221 (Aroclor 1221) [2C]	U	20	"							U
PCB-1232 (Aroclor 1232)	U	10	"							U
PCB-1232 (Aroclor 1232) [2C]	U	10	"							U
PCB-1016 (Aroclor 1016)	U	10	"							U
PCB-1016 (Aroclor 1016) [2C]	U	10	"							U
PCB-1242 (Aroclor 1242)	U	10	"							U
PCB-1242 (Aroclor 1242) [2C]	U	10	"							U
PCB-1248 (Aroclor 1248)	U	10	"							U
PCB-1248 (Aroclor 1248) [2C]	U	10	"							U
PCB-1254 (Aroclor 1254)	U	10	"							U
PCB-1254 (Aroclor 1254) [2C]	U	10	"							U
PCB-1260 (Aroclor 1260)	U	10	"							U
PCB-1260 (Aroclor 1260) [2C]	U	10	"							U
PCB-1262 (Aroclor 1262)	U	10	"							U
PCB-1262 (Aroclor 1262) [2C]	U	10	"							U
PCB-1268 (Aroclor 1268)	U	10	"							U
PCB-1268 (Aroclor 1268) [2C]	U	10	"							U
LCS (1206064-BS1)				Prepared: 06/12/12 Analyzed: 06/22/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*16.5*		*ug/kg dry*	*20.309*		*81.1*	*20.6-118*			
Surrogate: Tetrachloro-meta-xylene [2C]	*16.0*		*"*	*20.309*		*79.0*	*20.6-118*			
Surrogate: Decachlorobiphenyl (DCB)	*38.3*		*"*	*40.617*		*94.3*	*23.5-156*			
Surrogate: Decachlorobiphenyl (DCB) [2C]	*37.4*		*"*	*40.617*		*92.1*	*23.5-156*			
PCB-1221 (Aroclor 1221)	U	100	"				46.6-138			U
PCB-1221 (Aroclor 1221) [2C]	U	100	"				46.6-138			U
PCB-1232 (Aroclor 1232)	185.38	51	"	203.09		91.3	46.6-138			
PCB-1232 (Aroclor 1232) [2C]	186.23	51	"	203.09		91.7	46.6-138			
PCB-1016 (Aroclor 1016)	U	51	"				46.6-138			U
PCB-1016 (Aroclor 1016) [2C]	U	51	"				46.6-138			U
PCB-1242 (Aroclor 1242)	U	51	"				46.6-138			U
PCB-1242 (Aroclor 1242) [2C]	U	51	"				46.6-138			U

PCB Aroclors (PCBA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1206064 - E 3545A Modified										
LCS (1206064-BS1)				Prepared: 06/12/12 Analyzed: 06/22/12						
PCB-1248 (Aroclor 1248)	U	51	ug/kg dry				46.6-138			U
PCB-1248 (Aroclor 1248) [2C]	U	51	"				46.6-138			U
PCB-1254 (Aroclor 1254)	U	51	"				52-134			U
PCB-1254 (Aroclor 1254) [2C]	U	51	"				52-134			U
PCB-1260 (Aroclor 1260)	U	51	"				52-134			U
PCB-1260 (Aroclor 1260) [2C]	U	51	"				52-134			U
PCB-1262 (Aroclor 1262)	196.20	51	"	203.09		96.6	52-134			
PCB-1262 (Aroclor 1262) [2C]	197.17	51	"	203.09		97.1	52-134			
PCB-1268 (Aroclor 1268)	U	51	"				52-134			U
PCB-1268 (Aroclor 1268) [2C]	U	51	"				52-134			U
Matrix Spike (1206064-MS1)	**Source: E122305-06**			Prepared: 06/12/12 Analyzed: 06/22/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*20.9*		*ug/kg dry*	*27.902*		*75.0*	*20.6-118*			
Surrogate: Tetrachloro-meta-xylene [2C]	*20.3*		*"*	*27.902*		*72.7*	*20.6-118*			
Surrogate: Decachlorobiphenyl (DCB)	*43.8*		*"*	*55.804*		*78.5*	*23.5-156*			
Surrogate: Decachlorobiphenyl (DCB) [2C]	*43.1*		*"*	*55.804*		*77.3*	*23.5-156*			
PCB-1221 (Aroclor 1221)	U	700	"		U		25.5-136			U
PCB-1221 (Aroclor 1221) [2C]	U	700	"		U		25.5-136			U
PCB-1232 (Aroclor 1232)	U	350	"	279.02	U		25.5-136			XM-1, U
PCB-1232 (Aroclor 1232) [2C]	U	350	"	279.02	U		25.5-136			XM-1, U
PCB-1016 (Aroclor 1016)	U	350	"		U		25.5-136			U
PCB-1016 (Aroclor 1016) [2C]	U	350	"		U		25.5-136			U
PCB-1242 (Aroclor 1242)	U	350	"		U		25.5-136			U
PCB-1242 (Aroclor 1242) [2C]	U	350	"		U		25.5-136			U
PCB-1248 (Aroclor 1248)	3743.6	350	"		3158.5		25.5-136			
PCB-1248 (Aroclor 1248) [2C]	3654.8	350	"		3188.6		25.5-136			
PCB-1254 (Aroclor 1254)	U	350	"		U		16.1-145			U
PCB-1254 (Aroclor 1254) [2C]	U	350	"		U		16.1-145			U
PCB-1260 (Aroclor 1260)	U	350	"		U		16.1-145			U
PCB-1260 (Aroclor 1260) [2C]	U	350	"		U		16.1-145			U
PCB-1262 (Aroclor 1262)	U	350	"	279.02	U		16.1-145			XM-1, U
PCB-1262 (Aroclor 1262) [2C]	U	350	"	279.02	U		16.1-145			XM-1, U
PCB-1268 (Aroclor 1268)	U	350	"		U		16.1-145			U
PCB-1268 (Aroclor 1268) [2C]	U	350	"		U		16.1-145			U

PCB Aroclors (PCBA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1206064 - E 3545A Modified										
Matrix Spike Dup (1206064-MSD1)	**Source: E122305-06**			Prepared: 06/12/12 Analyzed: 06/22/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*21.2*		*ug/kg dry*	*27.902*		*76.0*	*20.6-118*			
Surrogate: Tetrachloro-meta-xylene [2C]	*20.7*		*"*	*27.902*		*74.3*	*20.6-118*			
Surrogate: Decachlorobiphenyl (DCB)	*43.9*		*"*	*55.804*		*78.6*	*23.5-156*			
Surrogate: Decachlorobiphenyl (DCB) [2C]	*43.2*		*"*	*55.804*		*77.4*	*23.5-156*			
PCB-1221 (Aroclor 1221)	U	700	"		U		25.5-136		36.4	U
PCB-1221 (Aroclor 1221) [2C]	U	700	"		U		25.5-136		36.4	U
PCB-1232 (Aroclor 1232)	U	350	"	279.02	U		25.5-136		36.4	XM-1, U
PCB-1232 (Aroclor 1232) [2C]	U	350	"	279.02	U		25.5-136		36.4	XM-1, U
PCB-1016 (Aroclor 1016)	U	350	"		U		25.5-136		36.4	U
PCB-1016 (Aroclor 1016) [2C]	U	350	"		U		25.5-136		36.4	U
PCB-1242 (Aroclor 1242)	U	350	"		U		25.5-136		36.4	U
PCB-1242 (Aroclor 1242) [2C]	U	350	"		U		25.5-136		36.4	U
PCB-1248 (Aroclor 1248)	3036.2	350	"		3158.5		25.5-136	20.9	36.4	
PCB-1248 (Aroclor 1248) [2C]	3185.7	350	"		3188.6		25.5-136	13.7	36.4	
PCB-1254 (Aroclor 1254)	U	350	"		U		16.1-145		34.4	U
PCB-1254 (Aroclor 1254) [2C]	U	350	"		U		16.1-145		34.4	U
PCB-1260 (Aroclor 1260)	U	350	"		U		16.1-145		34.4	U
PCB-1260 (Aroclor 1260) [2C]	U	350	"		U		16.1-145		34.4	U
PCB-1262 (Aroclor 1262)	U	350	"	279.02	U		16.1-145		34.4	XM-1, U
PCB-1262 (Aroclor 1262) [2C]	U	350	"	279.02	U		16.1-145		34.4	XM-1, U
PCB-1268 (Aroclor 1268)	U	350	"		U		16.1-145		34.4	U
PCB-1268 (Aroclor 1268) [2C]	U	350	"		U		16.1-145		34.4	U
MRL Verification (1206064-PS1)				Prepared: 06/12/12 Analyzed: 06/22/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*16.1*		*ug/kg dry*	*20.350*		*79.2*	*20.6-118*			
Surrogate: Tetrachloro-meta-xylene [2C]	*16.1*		*"*	*20.350*		*79.2*	*20.6-118*			
Surrogate: Decachlorobiphenyl (DCB)	*38.3*		*"*	*40.700*		*94.1*	*23.5-156*			
Surrogate: Decachlorobiphenyl (DCB) [2C]	*37.3*		*"*	*40.700*		*91.6*	*23.5-156*			
PCB-1221 (Aroclor 1221)	U	20	"				26.6-158			U
PCB-1221 (Aroclor 1221) [2C]	U	20	"				26.6-158			U
PCB-1232 (Aroclor 1232)	8.5144	10	"	10.175		83.7	26.6-158			MRL-2, U
PCB-1232 (Aroclor 1232) [2C]	9.0354	10	"	10.175		88.8	26.6-158			MRL-2, U
PCB-1016 (Aroclor 1016)	U	10	"				26.6-158			U
PCB-1016 (Aroclor 1016) [2C]	U	10	"				26.6-158			U
PCB-1242 (Aroclor 1242)	U	10	"				26.6-158			U

PCB Aroclors (PCBA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1206064 - E 3545A Modified										
MRL Verification (1206064-PS1)				Prepared: 06/12/12 Analyzed: 06/22/12						
PCB-1242 (Aroclor 1242) [2C]	U	10	ug/kg dry				26.6-158			U
PCB-1248 (Aroclor 1248)	U	10	"				26.6-158			U
PCB-1248 (Aroclor 1248) [2C]	U	10	"				26.6-158			U
PCB-1254 (Aroclor 1254)	U	10	"				32-154			U
PCB-1254 (Aroclor 1254) [2C]	U	10	"				32-154			U
PCB-1260 (Aroclor 1260)	U	10	"				32-154			U
PCB-1260 (Aroclor 1260) [2C]	U	10	"				32-154			U
PCB-1262 (Aroclor 1262)	10.990	10	"	10.175		108	32-154			MRL-2
PCB-1262 (Aroclor 1262) [2C]	10.756	10	"	10.175		106	32-154			MRL-2
PCB-1268 (Aroclor 1268)	U	10	"				32-154			U
PCB-1268 (Aroclor 1268) [2C]	U	10	"				32-154			U
Batch 1206071 - E 3545A Modified										
Blank (1206071-BLK1)				Prepared: 06/13/12 Analyzed: 07/10/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*13.6*		*ug/kg dry*	*16.909*		*80.4*	*28.3-106*			
Surrogate: Tetrachloro-meta-xylene [2C]	*13.7*		*"*	*16.909*		*81.1*	*28.3-106*			
Surrogate: Decachlorobiphenyl (DCB)	*33.0*		*"*	*33.818*		*97.6*	*45.9-107*			
Surrogate: Decachlorobiphenyl (DCB) [2C]	*33.4*		*"*	*33.818*		*98.8*	*45.9-107*			
PCB-1221 (Aroclor 1221)	U	17	"							U
PCB-1221 (Aroclor 1221) [2C]	U	17	"							U
PCB-1232 (Aroclor 1232)	U	8.5	"							U
PCB-1232 (Aroclor 1232) [2C]	U	8.5	"							U
PCB-1016 (Aroclor 1016)	U	8.5	"							U
PCB-1016 (Aroclor 1016) [2C]	U	8.5	"							U
PCB-1242 (Aroclor 1242)	U	8.5	"							U
PCB-1242 (Aroclor 1242) [2C]	U	8.5	"							U
PCB-1248 (Aroclor 1248)	U	8.5	"							U
PCB-1248 (Aroclor 1248) [2C]	U	8.5	"							U
PCB-1254 (Aroclor 1254)	U	8.5	"							U
PCB-1254 (Aroclor 1254) [2C]	U	8.5	"							U
PCB-1260 (Aroclor 1260)	U	8.5	"							U
PCB-1260 (Aroclor 1260) [2C]	U	8.5	"							U
PCB-1262 (Aroclor 1262)	U	8.5	"							U
PCB-1262 (Aroclor 1262) [2C]	U	8.5	"							U
PCB-1268 (Aroclor 1268)	U	8.5	"							U
PCB-1268 (Aroclor 1268) [2C]	U	8.5	"							U

PCB Aroclors (PCBA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1206071 - E 3545A Modified										
LCS (1206071-BS1)				Prepared: 06/13/12 Analyzed: 07/10/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*13.9*		*ug/kg dry*	*16.903*		*82.4*	*28.3-106*			
Surrogate: Tetrachloro-meta-xylene [2C]	*13.8*		*"*	*16.903*		*81.6*	*28.3-106*			
Surrogate: Decachlorobiphenyl (DCB)	*33.6*		*"*	*33.807*		*99.3*	*45.9-107*			
Surrogate: Decachlorobiphenyl (DCB) [2C]	*34.0*		*"*	*33.807*		*101*	*45.9-107*			
PCB-1221 (Aroclor 1221)	U	85	"				46.6-138			U
PCB-1221 (Aroclor 1221) [2C]	U	85	"				46.6-138			U
PCB-1232 (Aroclor 1232)	163.62	42	"	169.03		96.8	46.6-138			
PCB-1232 (Aroclor 1232) [2C]	161.84	42	"	169.03		95.7	46.6-138			
PCB-1016 (Aroclor 1016)	U	42	"				46.6-138			U
PCB-1016 (Aroclor 1016) [2C]	U	42	"				46.6-138			U
PCB-1242 (Aroclor 1242)	U	42	"				46.6-138			U
PCB-1242 (Aroclor 1242) [2C]	U	42	"				46.6-138			U
PCB-1248 (Aroclor 1248)	U	42	"				46.6-138			U
PCB-1248 (Aroclor 1248) [2C]	U	42	"				46.6-138			U
PCB-1254 (Aroclor 1254)	U	42	"				52-134			U
PCB-1254 (Aroclor 1254) [2C]	U	42	"				52-134			U
PCB-1260 (Aroclor 1260)	U	42	"				52-134			U
PCB-1260 (Aroclor 1260) [2C]	U	42	"				52-134			U
PCB-1262 (Aroclor 1262)	169.30	42	"	169.03		100	52-134			
PCB-1262 (Aroclor 1262) [2C]	168.96	42	"	169.03		100	52-134			
PCB-1268 (Aroclor 1268)	U	42	"				52-134			U
PCB-1268 (Aroclor 1268) [2C]	U	42	"				52-134			U
Matrix Spike (1206071-MS1)	**Source: E122305-10**			Prepared: 06/13/12 Analyzed: 07/16/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*U*		*ug/kg dry*	*29.516*			*28.3-106*			*NA-4, XS-1, U*
Surrogate: Tetrachloro-meta-xylene [2C]	*U*		*"*	*29.516*			*28.3-106*			*NA-4, XS-1, U*
Surrogate: Decachlorobiphenyl (DCB)	*U*		*"*	*59.032*			*45.9-107*			*NA-4, XS-1, U*
Surrogate: Decachlorobiphenyl (DCB) [2C]	*U*		*"*	*59.032*			*45.9-107*			*NA-4, XS-1, U*
PCB-1221 (Aroclor 1221)	U	30	"		U		25.5-136			U
PCB-1221 (Aroclor 1221) [2C]	U	30	"		U		25.5-136			U
PCB-1232 (Aroclor 1232)	U	15	"	295.16	U		25.5-136			NA-4, XM-1, U
PCB-1232 (Aroclor 1232) [2C]	U	15	"	295.16	U		25.5-136			NA-4, XM-1, U
PCB-1016 (Aroclor 1016)	U	15	"		U		25.5-136			U

PCB Aroclors (PCBA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1206071 - E 3545A Modified										
Matrix Spike (1206071-MS1)	**Source: E122305-10**			Prepared: 06/13/12 Analyzed: 07/16/12						
PCB-1016 (Aroclor 1016) [2C]	U	15	ug/kg dry		U		25.5-136			U
PCB-1242 (Aroclor 1242)	U	15	"		U		25.5-136			U
PCB-1242 (Aroclor 1242) [2C]	U	15	"		U		25.5-136			U
PCB-1248 (Aroclor 1248)	U	15	"		54644		25.5-136			U
PCB-1248 (Aroclor 1248) [2C]	U	15	"		57787		25.5-136			U
PCB-1254 (Aroclor 1254)	U	15	"		U		16.1-145			U
PCB-1254 (Aroclor 1254) [2C]	U	15	"		U		16.1-145			U
PCB-1260 (Aroclor 1260)	U	15	"		U		16.1-145			U
PCB-1260 (Aroclor 1260) [2C]	U	15	"		U		16.1-145			U
PCB-1262 (Aroclor 1262)	U	15	"	295.16	U		16.1-145			NA-4, XM-1, U
PCB-1262 (Aroclor 1262) [2C]	U	15	"	295.16	U		16.1-145			NA-4, XM-1, U
PCB-1268 (Aroclor 1268)	U	15	"		U		16.1-145			U
PCB-1268 (Aroclor 1268) [2C]	U	15	"		U		16.1-145			U
Matrix Spike Dup (1206071-MSD1)	**Source: E122305-10**			Prepared: 06/13/12 Analyzed: 07/16/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*U*		*ug/kg dry*	*29.516*			*28.3-106*			*NA-4, XS-1, U*
Surrogate: Tetrachloro-meta-xylene [2C]	*U*		*"*	*29.516*			*28.3-106*			*NA-4, XS-1, U*
Surrogate: Decachlorobiphenyl (DCB)	*U*		*"*	*59.032*			*45.9-107*			*NA-4, XS-1, U*
Surrogate: Decachlorobiphenyl (DCB) [2C]	*U*		*"*	*59.032*			*45.9-107*			*NA-4, XS-1, U*
PCB-1221 (Aroclor 1221)	U	30	"		U		25.5-136	36.4		U
PCB-1221 (Aroclor 1221) [2C]	U	30	"		U		25.5-136	36.4		U
PCB-1232 (Aroclor 1232)	U	15	"	295.16	U		25.5-136	36.4		NA-4, XM-1, U
PCB-1232 (Aroclor 1232) [2C]	U	15	"	295.16	U		25.5-136	36.4		NA-4, XM-1, U
PCB-1016 (Aroclor 1016)	U	15	"		U		25.5-136	36.4		U
PCB-1016 (Aroclor 1016) [2C]	U	15	"		U		25.5-136	36.4		U
PCB-1242 (Aroclor 1242)	U	15	"		U		25.5-136	36.4		U
PCB-1242 (Aroclor 1242) [2C]	U	15	"		U		25.5-136	36.4		U
PCB-1248 (Aroclor 1248)	U	15	"		54644		25.5-136	36.4		U
PCB-1248 (Aroclor 1248) [2C]	U	15	"		57787		25.5-136	36.4		U
PCB-1254 (Aroclor 1254)	U	15	"		U		16.1-145	34.4		U
PCB-1254 (Aroclor 1254) [2C]	U	15	"		U		16.1-145	34.4		U
PCB-1260 (Aroclor 1260)	U	15	"		U		16.1-145	34.4		U
PCB-1260 (Aroclor 1260) [2C]	U	15	"		U		16.1-145	34.4		U

PCB Aroclors (PCBA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1206071 - E 3545A Modified										
Matrix Spike Dup (1206071-MSD1)	**Source: E122305-10**			Prepared: 06/13/12 Analyzed: 07/16/12						
PCB-1262 (Aroclor 1262)	U	15	ug/kg dry	295.16	U		16.1-145		34.4	NA-4, XM-1, U
PCB-1262 (Aroclor 1262) [2C]	U	15	"	295.16	U		16.1-145		34.4	NA-4, XM-1, U
PCB-1268 (Aroclor 1268)	U	15	"		U		16.1-145		34.4	U
PCB-1268 (Aroclor 1268) [2C]	U	15	"		U		16.1-145		34.4	U
MRL Verification (1206071-PS1)				Prepared: 06/13/12 Analyzed: 07/10/12						
EPA 8082										
Surrogate: Tetrachloro-meta-xylene	*11.3*		*ug/kg dry*	*16.846*		*67.0*	*28.3-106*			
Surrogate: Tetrachloro-meta-xylene [2C]	*11.4*		*"*	*16.846*		*67.4*	*28.3-106*			
Surrogate: Decachlorobiphenyl (DCB)	*27.1*		*"*	*33.693*		*80.5*	*45.9-107*			
Surrogate: Decachlorobiphenyl (DCB) [2C]	*27.5*		*"*	*33.693*		*81.6*	*45.9-107*			
PCB-1221 (Aroclor 1221)	U	17	"				26.6-158			U
PCB-1221 (Aroclor 1221) [2C]	U	17	"				26.6-158			U
PCB-1232 (Aroclor 1232)	7.7325	8.4	"	8.4232		91.8	26.6-158			MRL-3, U
PCB-1232 (Aroclor 1232) [2C]	9.0664	8.4	"	8.4232		108	26.6-158			MRL-3
PCB-1016 (Aroclor 1016)	U	8.4	"				26.6-158			U
PCB-1016 (Aroclor 1016) [2C]	U	8.4	"				26.6-158			U
PCB-1242 (Aroclor 1242)	U	8.4	"				26.6-158			U
PCB-1242 (Aroclor 1242) [2C]	U	8.4	"				26.6-158			U
PCB-1248 (Aroclor 1248)	U	8.4	"				26.6-158			U
PCB-1248 (Aroclor 1248) [2C]	U	8.4	"				26.6-158			U
PCB-1254 (Aroclor 1254)	U	8.4	"				32-154			U
PCB-1254 (Aroclor 1254) [2C]	U	8.4	"				32-154			U
PCB-1260 (Aroclor 1260)	U	8.4	"				32-154			U
PCB-1260 (Aroclor 1260) [2C]	U	8.4	"				32-154			U
PCB-1262 (Aroclor 1262)	8.3113	8.4	"	8.4232		98.7	32-154			MRL-3, U
PCB-1262 (Aroclor 1262) [2C]	8.0061	8.4	"	8.4232		95.0	32-154			MRL-3, U
PCB-1268 (Aroclor 1268)	U	8.4	"				32-154			U
PCB-1268 (Aroclor 1268) [2C]	U	8.4	"				32-154			U

Notes and Definitions for QC Samples

U	The analyte was not detected at or above the reporting limit.
MRL-2	MRL verification for Non-Potable Water matrix
MRL-3	MRL verification for Soil matrix
NA-4	Not Analyzed or Reported due to Interferences.
T-0	No temperature blank present for cooler this sample was received in.
XM-1	Sample background/spike ratio higher than method evaluation criteria
XS-1	Surrogate diluted out due to high analyte concentration