October 5, 2015

Ms. Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

RE: Addendum - Application for Clean-Up of Polychlorinated Biphenyl (PCB) Remediation Waste Under 40 CFR 761.61 (a) & (c)
523 Halfway House Road, Windsor Locks, Connecticut

Dear Ms. Tisa

On behalf of NDT Systems, Inc., Fuss & O'Neill, Inc. is pleased to provide this Addendum to the October 2013 *Application for Clean-Up of Polychlorinated Biphenyl (PCB) Remediation Waste Under 40 CFR 761.61 (a) & (c).* In summary, this Addendum includes the following:

- Background Information – A discussion of the original application, previous comments and responses, the most recent transfer of ownership of the site, and the outcome of recent meetings with EPA and DEEP technical staff.
- Updated Conceptual Model and Risk-Based Clean-Up Plan – The conceptual model for PCB releases at the site have been updated based on additional sampling and research conducted during 2014 and is included as *Attachment A*. A revised risk-based plan to clean up PCB-impacted soil and concrete is also provided based on the updated conceptual model.
- Schedule – An outline of the sequence of work and estimated time frame for the initiation of key phases of remediation.

Where appropriate, supporting information and relevant data is included in Attachments.

146 Hartford Road
Manchester, CT
06040
t 860.646.2469
800.286.2469
f 860.533.5143

www.fando.com

Connecticut
Massachusetts
Rhode Island
South Carolina

Background Information

Initial Application Submittal

On October 15, 2014, Fuss & O'Neill, Inc. submitted an *Application for Clean-Up of Polychlorinated Biphenyl (PCB) Remediation Waste Under 40 CFR 761.61 (a) & (c).* In summary, the application requested approval of a plan to address PCB-impacted soil that had been identified during investigation and remediation activities at the Site. The application outlined an approach to characterize and remediate PCBs in shallow soil at concentrations up to 15,000 parts per million

(ppm). The PCBs are associated with PCB-containing petroleum products used by a former site owner (Kennametal) that occupied the site between 1965 and the mid-1980s.

Comments and Responses

March 2014 USEPA Comments

A copy of USEPA's March 27, 2014 comment letter and Fuss & O'Neill's April 7, 2014 response is provided in *Attachment B*. Comments generally included requests for additional investigation activities. Additional investigations were conducted at each of the release areas and the results of the activities are summarized in the updated conceptual model in *Attachment A*.

May 2014 USEPA Comments

A copy of USEPA's May 7, 2014 comment letter is provided in *Attachment C*. Comments generally focused on the need to address the previously cited data gaps before the application could be approved. Additional investigations were conducted at each of the release areas and the results of the activities are summarized in the updated conceptual model. Comments not related to the EPA request for additional investigations are provided below with responses.

Comment

"…it is unclear that the 1 ppm is an acceptable PCB cleanup standard for the lower release area since there is no discussion in the Notification concerning ecological risk. Based on EPA's discussions with the Connecticut Department of Energy and Environmental Protection ("CTDEEP"), a determination on the acceptable PCB cleanup standard for the drainage swale remains outstanding. Accordingly, cleanup of the drainage swale cannot be considered until CTDEEP is in agreement with the proposed PCB cleanup."

Response: Fuss & O'Neill provided site analytical data and information pertaining to the municipal storm sewer system that receives site drainage to the DEEP and DEEP technical staff visited the Site on October 9, 2014. NDT Systems also contracted with Gradient of Cambridge, Massachusetts to evaluate potential risks to ecological receptors and provided DEEP with additional information in May 2015. Based on the findings of the various assessments and evaluations, the DEEP and NDT Systems have agreed on an approach to address the drainage swale including the small wetland area at the southern end of the swale.

Comment

"…. Please be aware that given the PCB concentrations in the soils beneath the concrete and asphalt, the concrete and asphalt would be considered to have a PCB concentrations ≥ 50 ppm unless adequate sampling is conducted to determine current PCB concentrations.

Response: Concrete and asphalt waste characterization sampling have been incorporated into the clean-up application amendment.

Transfer of Property Ownership

On April 8, 2014, 523 Halfway House Road was transferred to NDT Systems, Inc., which will be the entity responsible for remediating the site. The contact and address are as follows:

NDT Systems, Inc.
c/o Gus Eghneim
Ethos Energy Group
2800 North Loop West, Suite 1100
Houston, TX 77092

August 2014 Meeting with DEEP and USEPA Staff

On August 26, 2014, representatives of Fuss & O'Neill and Ethos Energy met with Kim Tisa of the USEPA and Gary Trombly of the DEEP at the site to discuss the PCB clean-up approach. Key action items identified during the meeting include the following:

1. Further refinement of the depth to which PCBs penetrated into the concrete floor would be beneficial to developing the most appropriate, cost-effective remedial strategy. Concrete samples had initially been collected from the 0- to 0.5-inch and 2- to 3-inch depth intervals. Additional samples were collected from the 1- to 1.5-inch depth interval. The data demonstrate that PCBs above 1 ppm are limited to the top 1.5 to 2 inches of concrete.
2. Concrete removal will need to extend to the nearest point exhibiting PCBs at concentrations less than 1 ppm, and additional sampling should be conducted in portions of the concrete floor where PCB concentrations were near, but less than, 1 ppm to confirm that such locations can be used to delineate the clean-up area. Additional sampling was conducted to refine the understanding of PCB impacts in the concrete floor.
3. Vertical profiling at sampling location P-105, the primary source area outside the building, is necessary to determine the depth of clean-up in this area. Soil samples were collected and analyzed from depth intervals up to eight feet below grade adjacent to P-105. The data demonstrated that PCBs are limited to the upper seven feet of soil.

4. A remedial strategy for a subsurface drain pipe will be necessary, including determining whether it is active, ceasing discharge, and capping any portion remaining beneath the building. Water was observed flowing from the pipe during a significant storm event. The remedial strategy is provided in the following section.
5. A side door in the former Kennametal building opens into the new building section, and DEEP recommended collection a soil sample beneath the concrete slab at this location as a possible release area. A soil boring (P1-235) was drilled adjacent to the door. PCBs were detected at concentrations up to 1.1 ppm and will be remediated with the Upper Release Area as described in the following section.

The additional recommended sampling was conducted and has been incorporated into the updated conceptual model.

October 2014 Meeting with DEEP Ecological Staff

On October 9, 2014, representatives of Fuss & O'Neill and Ethos Energy met with Mr. Erik Bedan and Gary Trombly of the DEEP to tour the drainage swale area. Mr. Bedan indicated that he still needed to review the data provided before making a decision regarding the appropriate clean-up approach for the swale. During the walk-over of the swale, Mr. Trombly suggested that additional sampling be conducted between the property line and sample location P3-310, where PCBs were detected above 1 ppm, to confirm that PCBs did not extend onto the adjacent residential parcels. The additional sampling was conducted and demonstrates that PCB concentrations in soil along the eastern property line are consistently less than 1 ppm.

Updated Conceptual Models and Risk-Based Clean-up Plans

The October 2013 clean-up application included three key elements:

1. Background & Site Characterization – This section summarized the conceptual model and outlined proposed supplemental characterization. The supplemental characterization has been completed and is incorporated in the updated conceptual model (*Appendix A*).
2. Clean-Up Objectives – The clean-up objectives included the Toxic Substances Control Act (TSCA) criteria for soil in a high-occupancy area except where the building floor can be used as a cap and DEEP Remediation Standard Regulations (RSR) criteria for an industrial/commercial site in a GA groundwater area. These objectives remain the same.
3. Clean-Up Plan – The clean-up plan outlined the remedial approach as well as the methodology governing soil management, health and safety, sampling, data quality objectives, and reporting. A refined risk-based remedial approach based on the latest data

is provided below. The general methodology will remain the same as outlined in the original application.

Conceptual model overviews and proposed risk-based clean-up approaches for each release area are provided below as well as the general assumptions used to develop the risk-based strategy.

General Clean-Up Assumptions

General assumptions incorporated into the risk-based approach for each release area include the following:

1. An environmental land use restriction (ELUR) will be recorded to prohibit residential use of the site.
2. PCBs in soil outside the building footprint will be remediated to concentrations less than or equal to 1 ppm, with the exception of the delineated wetland area in the lower swale. Per agreement with the DEEP, sediment within the delineated wetland area will be removed vertically to a point at which concentrations of total PCBs do not exceed 0.3 ppm, and the wetland area will be restored. Stabilization fabric will be used as part of the restoration activities to prevent the potential for future erosion.
3. PCBs in soil inside the building will be removed to 10 ppm where accessible, and the building floor slab will be used as a cap. Where excavation is not prudent, the building will be used as an engineered control. The RSRs define prudent as "reasonable, after taking into consideration cost, in light of the social and environmental benefits." Such an engineered control will need to be approved by the DEEP, and an ELUR will be recorded to prohibit disturbance of the engineered control.
4. Confirmatory Sampling for 40 CFR 761 – Confirmatory sampling will be conducted on a 3-meter (10-foot) grid unless otherwise specified. Soil samples will be composited in accordance with 40 CFR 761.289(b)(1)(i), in which one composite sample is composed of up to nine grid points within an area whose maximum dimensions are two grid intervals bounded by three grid points. Based on the ability of the analytical laboratory to consistently achieve a detection limit of 0.2 mg/kg, we propose to composite no more than four grid nodes at a time. The anticipated sampling approach is shown on *Figure 1*.
5. Confirmatory Sampling for Connecticut's RSRs – The RSRs do not allow compositing; therefore, discrete soil samples will be collected every 30 feet (see *Figure 1*).
6. All PCB-impacted waste will be managed as a TSCA waste (i.e. PCBs greater than 50 ppm).

Building Floor (*Figure 2*)

The distribution of PCBs in the concrete floor is shown on *Figure 2*. Approximately 25 percent of the concrete floor in the Kennametal portion of the original site building and 75 percent of the floor in in the former maintenance shed are impacted by PCBs above 1 mg/kg. PCBs generally limited to the upper two inches of concrete except at P1-C422, where PCBs have been detected at the highest concentration (140 mg/kg). At this location, PCBs are present at concentrations above 1 mg/kg to depths greater than three inches. PCBs were most likely released from PCB-containing equipment or through spills during historical processes that used PCB oils to the floors during the time Kennametal occupied the building. Concrete in the new building sections did not exhibit detectable PCBs.

Risk Based Clean-up Plan

1. Remove the entire concrete floor slab in areas where PCBs are present in the concrete at concentrations above 1 ppm (approximately 6,215 square feet).
2. Conduct confirmatory sampling on a 3-meter grid.
3. Continue concrete removal to remediate PCBs above 1 ppm.
4. Dispose of concrete as a TSCA-regulated PCB waste.
5. Pour replacement floor slab.

Floor Drain System/Discharge Pipe (*Figure 3*)

A subsurface concrete pipe runs from just south of the former Kennametal building to a headwall in the swale. The pipe is eight inches in diameter and approximately seven to eight feet below grade. Analytical data and evidence from a camera inspection suggest that the subsurface concrete pipe conveyed stormwater associated with a catch basin at the southeast loading bay of the former Kennametal building to the Lower Swale area. Floor drains in the Kennametal building (currently sealed) also likely discharged to the concrete drainage pipe. A sample of concrete from the pipe's outfall end contained PCBs at 2.2 mg/kg; however, soil sampling adjacent to separated joints identified no detectable PCBs, suggesting that, while the pipe conveyed PCBs to the swale and is impacted by PCBs, the pipe did not leak significant concentrations of PCBs along its length.

Risk Based Clean-up Plan

1. Redirect stomwater flow that is currently entering the pipe, likely from roof drains in the original portion of the building.

2. Outside the Building:
    a) Excavate and remove the pipe from the point it exits the building to the headwall in the swale (approximately 200 feet), marking the location of joints (approximately every 15 feet based on the pipe inspection) and holes/cracks where soil should be sampled.
    b) Collect soil samples at the joints and other locations marked along the piping run to confirm that soil has not been impacted.
    c) Dispose of the pipe as a TSCA-regulated PCB waste.
    d) Backfill the excavation with clean soil.
3. Beneath the Building
    a) Sample the pipe at the location where it enters the building. If PCB concentrations in soil beneath the building are less than or equal to 10 ppm, use the building as a cap.
    b) If PCB concentrations in the pipe are above 10 ppm, leave the piping network in place, and use the building as an engineered control to physically isolate the piping from direct human contact and infiltrating stormwater on the basis that excavation of the piping (which is approximately eight feet below the floor) is not prudent.
    c) Record an ELUR to prohibit disturbance of the portion of the building serving as a cap or engineered control.

Upper Release Area (*Figure 4*)

The analytical data and aerial photographs depicting a dark area southeast of the former maintenance shed suggest that PCB oils may have been spilled or discarded at the Upper Release Area. The highest concentrations of PCBs at the Site (15,000 mg/kg at WC-09 and 2,500 mg/kg at P1-105) were in the vicinity of the dark area. A second "hot spot" of 1,800 mg/kg was identified just southwest of the shed beneath a new building addition. The release(s) most likely occurred during Kennametal operation of the Site because the PCBs extend beneath the newer building sections where the concrete floor is not impacted by PCBs. PCB concentrations above 1 mg/kg are generally limited to the upper 2 feet of soil except at P1-105/A/B, where PCBs above 1 mg/kg extend to a depth of 6-7 feet below grade. The floor drains, subsurface pipe, and electrical room are not significant sources of PCB releases to soil in the Upper Release Area. Groundwater has not been impacted by PCBs.

Risk Based Clean-up Plan

1. Outside the Building:
    a) Remove and sample the asphalt to confirm that it is not impacted by PCBs.
    b) Excavate and remove approximately 550 cubic yards of soil containing PCBs greater than 1 ppm, generally 2 feet deep except at P1-105 (7 feet).
    c) Conduct TSCA and RSR confirmatory soil sampling as outlined in the general assumptions.
    d) Conduct additional excavation and sampling as necessary to obtain the objective of PCBs less than or equal to 1 ppm in soil.
    e) Backfill the excavation area with clean fill.
2. Beneath the Building:
    a) Remove and sample the concrete to confirm that it is not impacted by PCBs.
    b) Remove accessible soil containing PCBs above 10 ppm, generally 2 feet deep (anticipated to be up to approximately 160 cubic yards).
    c) Soil containing PCBs above 1 ppm but less than 10 ppm will be rendered inaccessible beneath the building floor slab, which is 5.5 inches thick.
    d) If soil containing PCBs above 10 ppm cannot be excavated for building structural integrity reasons, the building will be used as an engineered control to isolate remaining soil.
    e) Conduct confirmatory soil samples to document concentrations being left in place and where an engineered control will be necessary.
    f) Backfill the excavated areas with clean fill and restore the building floor.
    g) Record an ELUR to prohibit disturbance of the portion of the building serving as an engineered control.

Upper Swale (*Figure 4*)

PCB concentrations up to 310 mg/kg were detected in the Upper Swale. Based on the analytical data and terrain observations, the most likely source of the PCBs is fill excavated during construction activities in the vicinity of the Upper Release Area. PCB impacts are limited to the fill and the upper 1.5 feet of soil in the swale.

Risk Based Clean-up Plan

1. Excavate and remove fill from along the edge of the upper swale, estimated to be up to 5 feet thick over an area of 2,000 square feet for a total of approximately 370 cubic yards of soil.
2. Excavate and remove approximately 375 cubic yards of soil in the swale containing PCBs greater than 1 ppm, generally less than 1.5 feet deep.
3. Conduct TSCA and RSR confirmatory soil sampling as outlined in the general assumptions.
4. If necessary, conduct additional excavation and sampling to achieve the objective of PCBs less than or equal to 1 ppm in soil.

Lower Swale (*Figure 4*)

PCBs in the Lower Swale are concentrated in the main channel between the concrete discharge pipe outfall and the small wetland area at the south end of the swale, with the highest concentrations (up to 56 mg/kg) detected at the inlet headwall of the swale. Outside the main channel, PCBs were not detected above 0.22 mg/kg. The PCBs were most likely transported to the Lower Swale by stormwater flow from the catch basin formerly located south of the Kennametal building or from drains inside the building. PCBs are generally limited to the upper two feet of soil in the area adjacent to the concrete discharge pipe and to the upper foot in the rest of the swale. Data collected from the lower terminus of the swale indicates that PCBs did not migrate off-site at concentrations above 0.56 mg/kg and the swale outflow pipe concrete did not contain detectable PCBs. Groundwater has not been impacted by PCBs.

Risk Based Clean-up Plan

The DEEP and NDT Systems have agreed to a cleanup approach for the lower swale. PCBs in soil will be remediated to concentrations less than or equal to 1 ppm, with the exception of the delineated wetland area. Sediment from the delineated wetland area will be removed vertically to apoint at which total PCB concentrations are less than 0.3 ppm, and the wetland area will be restored. Stabilization fabric will be used as part of the restoration activities to prevent the potential for future erosion.

Schedule

The anticipated schedule for soil remediation is summarized below:

- Remediation of Release Areas – Initiated within 3 months of the application approval. The anticipated sequence of remediation is as follows (working from upgradient to

downgradient):

- Concrete floors in former Kennametal building
- Upper Release Area
- Pipe outside the building
- Upper Swale
- Lower Swale

- Remediation Reporting – Completed within 2 months of the completion of field work
- Post-Remediation Groundwater Monitoring – Initiated within 3 months of the completion of soil remediation

Please do not hesitate to contact the undersigned if you have any questions or comments.

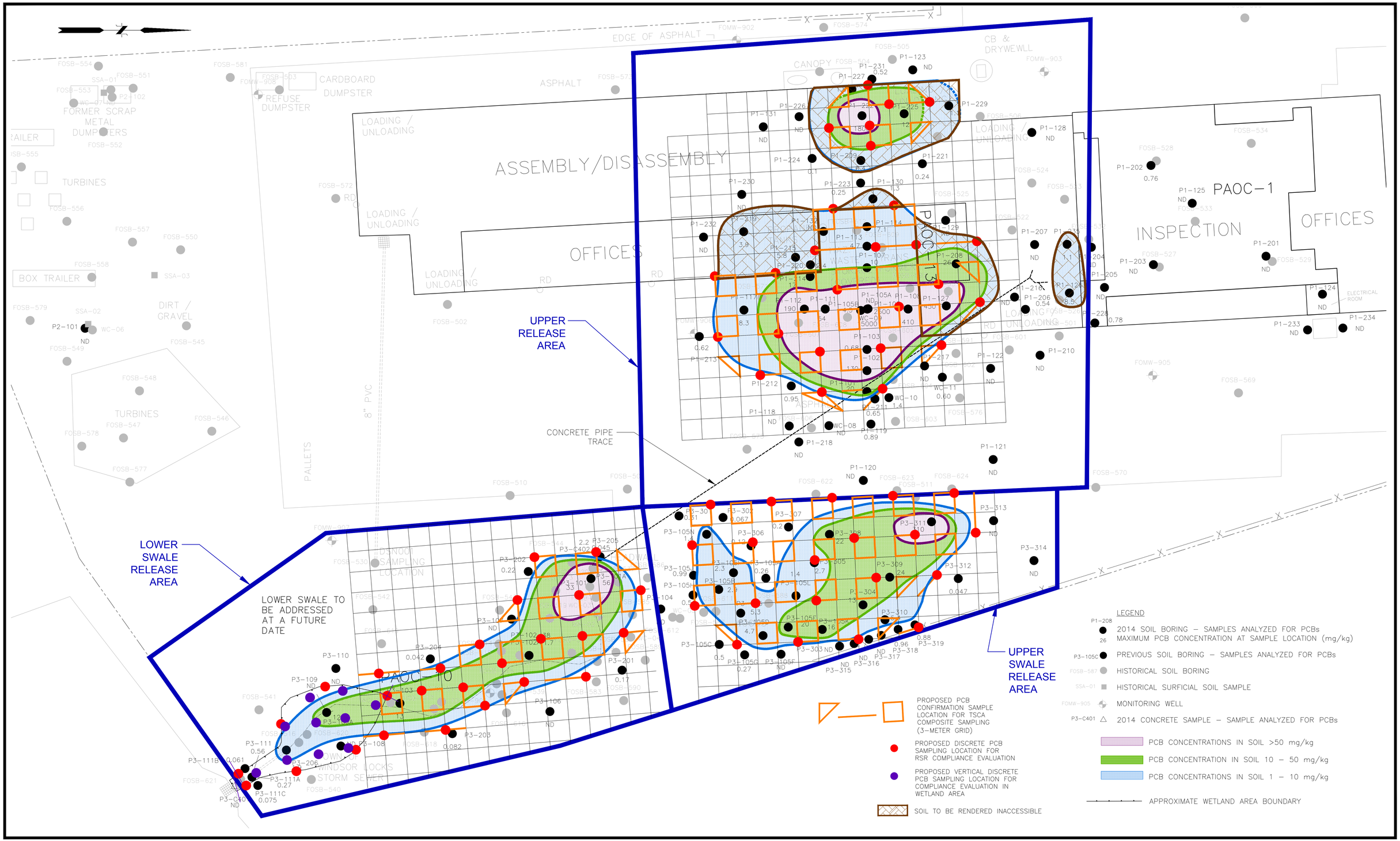
Sincerely,

Brent J. Henebry, LEP
Associate

John B. Hankins, LEP
Senior Vice President

Attachments

c: Gary Trombly – Connecticut DEEP
Gus Eghneim – NDT Systems



No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.			XX/XX	XX

SEAL

SEAL

PAOCS

PAOC 1: FORMER KENNAMETAL, INC.

PAOC 10: DRAINAGE SWALE

PAOC 13: MAINTENANCE BUILDING

SCALE:
HORZ.: 1" = 20'
VERT.:
DATUM:
HORZ.:
VERT.:
20 10 0 20
GRAPHIC SCALE

FUSS & O'NEILL
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469
www.fando.com

PROPOSED POST-EXCAVATION SAMPLING PLAN

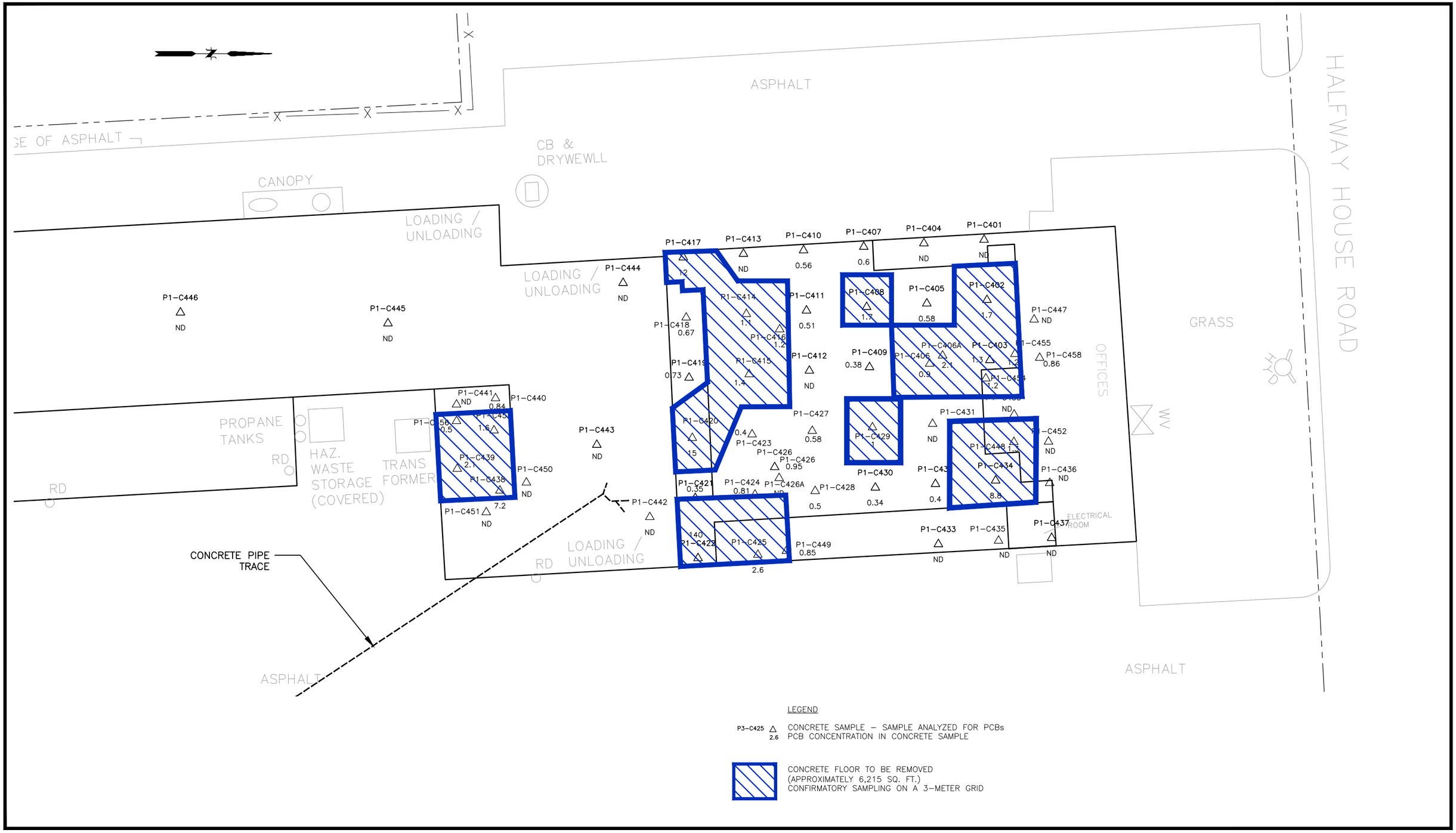
FORMER WOOD POWER GROUP, INC.

523 HALFWAY HOUSE ROAD WINDSOR LOCKS, CONNECTICUT

PROJ. No.: 20051184R73
DATE: OCTOBER 2015

FIGURE 1

File Path: J:\DWG\P2005\1184\R73\Environmental\Plan\20051184R74_SAM01_pcb sample grid 10-2015.dwg Layout: 24X36-L Plotted: Mon, October 05, 2015 - 9:21 AM User: kvanderveer
Plotter: DWG TO PDF.PC3 CTB File: FO COLOR (HALF).CTB
LAYER STATE:
MS VIEW:



LEGEND

P3-C425 △ 2.6 — CONCRETE SAMPLE – SAMPLE ANALYZED FOR PCBs
PCB CONCENTRATION IN CONCRETE SAMPLE

CONCRETE FLOOR TO BE REMOVED
(APPROXIMATELY 6,215 SQ. FT.)
CONFIRMATORY SAMPLING ON A 3-METER GRID

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.			XX/XX	XX

SCALE:
HORZ.: 1" = 30'
VERT.:
DATUM:
HORZ.:
VERT.:
0 15 30
GRAPHIC SCALE

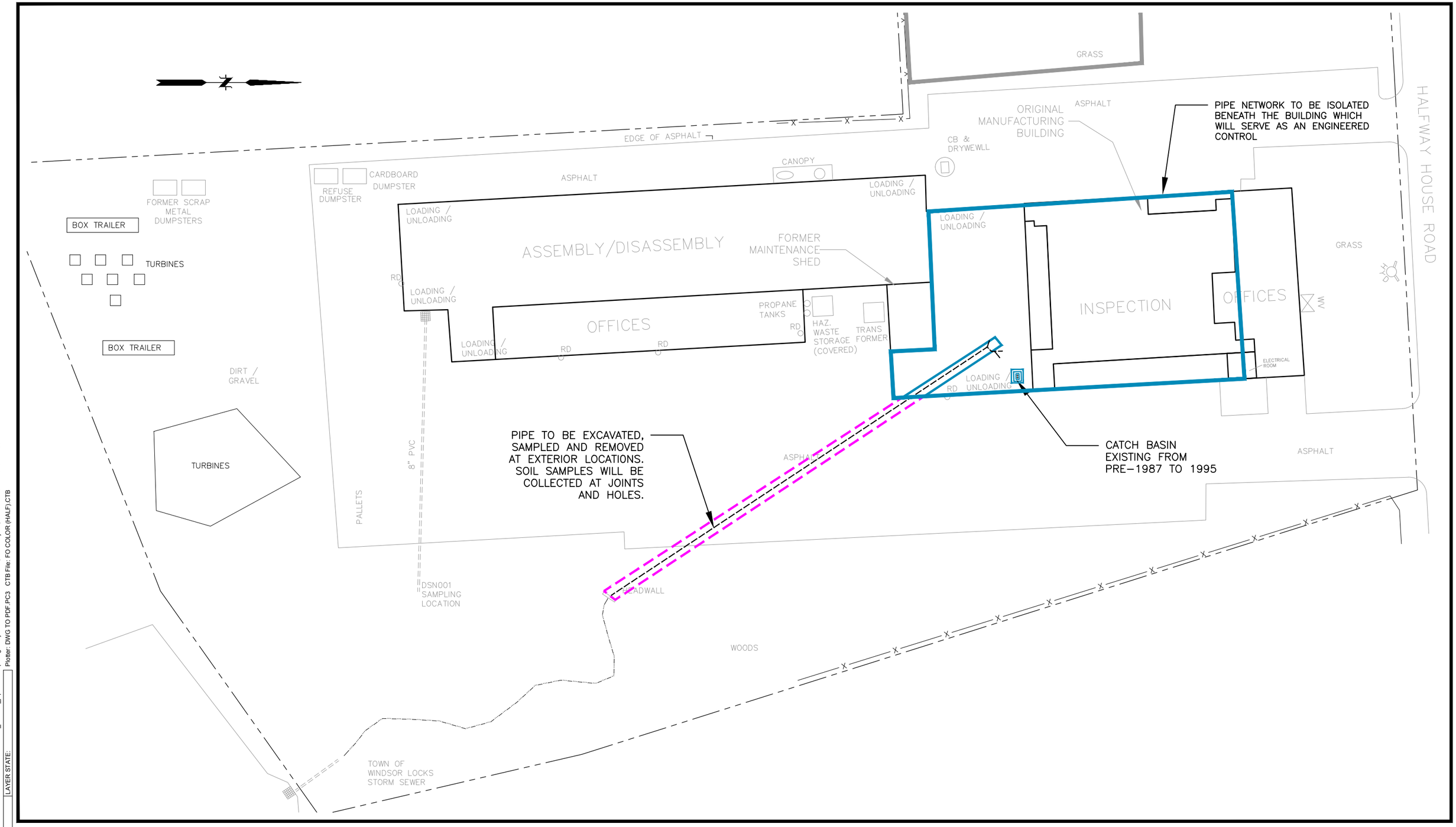
FUSS & O'NEILL
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469
www.fando.com

PROPOSED CLEAN-UP PLAN
CONCRETE FLOORS
FORMER WOOD GROUP POWER, INC.
523 HALFWAY HOUSE ROAD
WINDOR LOCKS, CONNECTICUT

PROJ. No.: 20041184R73
DATE: FEBRUARY 2015

FIGURE 2

File Path: J:\DWG\P2005\1184R73\Environmental\Plan\20051184R73_EWD05_pcb concrete clean-up areas.dwg Layout: 11X17-L Plotted: Thu, February 05, 2015 - 2:17 PM User: srochelt
Plotter: DWG TO PDF.PC3 CTB File: FO COLOR (HALF).CTB
MS VIEW:
LAYER STATE:



No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.			XX/XX	XX

MAP REFERENCE:

1. FACILITY FEATURES FROM "MAP SHOWING LAND OWNED BY TURBINE ENGINE SERVICES" PREPARED BY NERIANI SURVEYING, 8/19/95 REVISED 6/30/97 AND OBSERVATIONS DURING SITE WALKOVER ON 1/15/98.

2. SAMPLE LOCATIONS AND INTERIOR BUILDING FEATURES MEASURED IN FIELD 12/05 TO 10/09.

SCALE:
HORZ.: 1" = 50'
VERT.:
DATUM:
HORZ.:
VERT.:
0 25 50
GRAPHIC SCALE

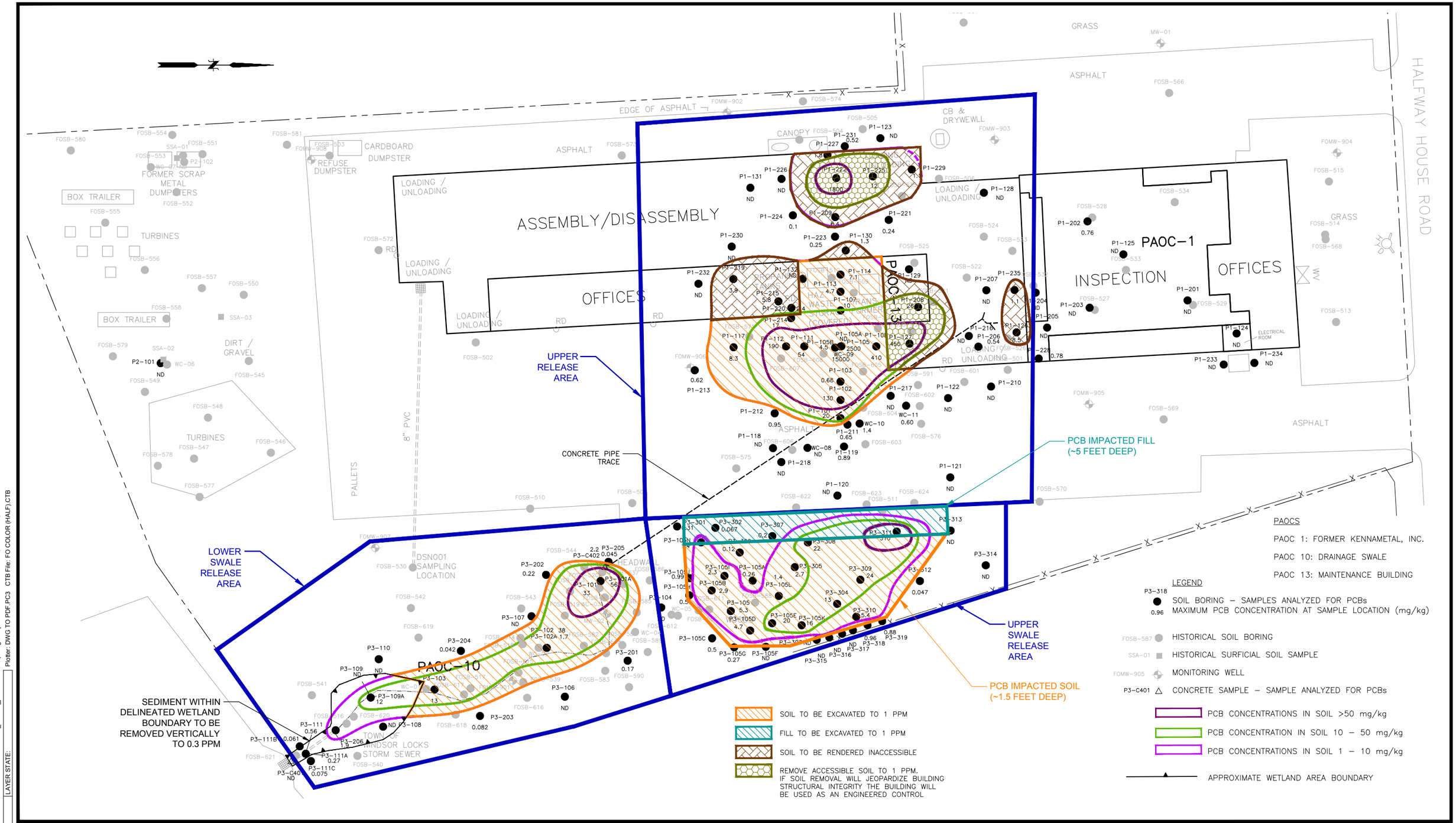
FUSS & O'NEILL
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469
www.fando.com

PROPOSED CLEAN-UP PLAN
UNDERGROUND PIPING
FORMER WOOD GROUP POWER, INC.
523 HALFWAYHOUSE ROAD WINDSOR LOCKS, CONNECTICUT

PROJ. No.: 20051184R73
DATE: FEBRUARY 2015

FIGURE 3

File Path: J:\DWG\P2005\1184R73\Environmental\Plan\20051184R73_EWD07_pipe clean-up.dwg Layout: 11X17-L Plotted: Thu, February 05, 2015 - 2:26 PM User: srochelt
Plotter: DWG TO PDF.PC3 CTB File: FO COLOR (HALF).CTB
MS VIEW: LAYER STATE:



No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.			XX/XX	XX

SCALE:
HORZ.: 1" = 50'
VERT.:
DATUM:
HORZ.:
VERT.:
0 25 50
GRAPHIC SCALE

FUSS & O'NEILL
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469
www.fando.com

PROPOSED CLEAN-UP PLAN
PCBS IN SOIL
FORMER WOOD GROUP POWER, INC.
523 HALFWAY HOUSE ROAD
WINDSOR LOCKS, CONNECTICUT

PROJ. No.: 20051184R73
DATE: OCTOBER 2015

FIGURE 4

File Path: J:\DWG\P20051184R73\Environmental\Plan\20051184R73_SAM02_pcb soil clean-up.dwg Layout: 11X17-L Plotted: Mon, October 05, 2015 - 7:46 AM User: kvanderveer
Plotter: DWG TO PDF.PC3 CTB File: FO COLOR (HALF).CTB
MS VIEW:
LAYER STATE:

FUSS & O'NEILL

Attachment A

Revised Conceptual Model

FUSS & O'NEILL

PCB Release Areas Conceptual Model

Former Wood Group Power, Inc.
523 Halfway House Road
Windsor Locks, Connecticut

October 2015

The former Wood Group Power site is being investigated and remediated in accordance with a Connecticut Property Transfer Law Form III filing submitted on April 10, 2014. In July 2009, polychlorinated biphenyls (PCBs) were discovered during routine waste characterization sampling prior to the completion of a soil remediation project. This technical memorandum documents investigations conducted to characterize the PCB release areas and our final conceptual model for releases of PCBs at the Site.

I. Background Information

Physical Description & Potential Release Mechanism

The PCB release areas include the concrete floor slab in the original portion of the site buildings that were occupied by Kennametal and soil beneath and adjacent to the east-central portion of the site building (upper release area) and in a drainage swale east of the facility (lower release area). These release areas, shown on *Figure 1*, are described in more detail below:

Former Kennametal Building Floors

The former Kennametal buildings include PAOC 1 (Former Kennametal Inc.) and PAOC 13 (Former Maintenance Building). The historical Kennametal facility was an approximately 15,800 square-foot building that was subsequently used by Wood Group for offices and inspection/shipping. The maintenance building was an approximately 1,000 square foot maintenance building that was constructed during Kennametal's occupation of the site. The former maintenance building is currently housed within an addition to the main building. PCBs were most likely released to the floors during the time Kennametal occupied the building from PCB-containing equipment or through spills during historical processes that used PCB oils.

Subsurface Drainage Pipe

A subsurface drainage pipe runs from a pipe junction just south of the former Kennametal building southeast to the drainage swale on the east side of the Site. The pipe trench was traced using ground penetrating radar (GPR) and a robot-mounted camera. The pipe is concrete, approximately eight inches in diameter, and is located seven to eight feet below grade along its length. The camera inspection identified three laterals at the northwest end. The laterals are suspected to connect to a historical catch basin located adjacent to the southeastern loading bay, which was depicted in historical mapping. It is also suspected that floor drains (currently sealed) in the former Kennametal building were have connected to the pipe.

Upper Release Area

The Upper Release Area areas in the vicinity of the former Kennametal maintenance shed and just outside the former Kennametal building where investigations have identified shallow PCB-impacted soil indicative of releases to the ground surface (PAOCs 1 and 13).

Lower Swale Release Area

The Lower Swale Release Area includes PAOC 10 (Drainage Swale) and is located on the southeastern portion of the site where investigations have identified PCB impacts consistent with PCB-containing discharges from the drainage pipe (referenced above) at the north end of the swale. The southern end is demarked by a concrete stormwater culvert at the southern property boundary. The lower end of the swale has been mapped as a wetland area.

Upper Swale Release Area

The Upper Swale Release Area is located "upstream" of the discharge pipe outfall but still within the low-lying area on the eastern edge of the Site. Investigations in this area suggest that PCB-impacted soil excavated from the Upper Release Area during utility installation or building addition construction was deposited along the edge of the swale.

Historical Information/Processes

PCB releases were identified during in-situ waste characterization sampling conducted prior to remediating releases of tungsten and cobalt at both the upper and lower release areas. PCB Aroclors detected at the site include Aroclors -1248 and -1254 (see *Section II*, beginning on page 5, for investigation details). According to the Agency for Toxic Substance and Disease Registry, these Aroclors are used in the following applications:

- *Aroclor-1248*: hydraulic fluids, vacuum pumps, plasticizers in rubber, and adhesives
- *Aroclor-1254*: used in a wide variety of applications including capacitors, transformers, hydraulic fluids, vacuum pumps, plasticizers in rubber and synthetic resins, adhesives, wax extenders, dedusting agents, inks, cutting oils, pesticide extenders, sealants, and caulking compounds

Following the identification of the PCB release, Phase I data previously compiled (aerial photos, historical reports, and files obtained from Town and State offices) were reviewed in an effort to identify any potential PCB sources at the site. To supplement the existing data, aerial photos available at the State Archives were reviewed in greater detail, and Town permits were reviewed for additional activities that may have been associated with PCB-containing equipment. Historical information pertaining to the PCB release areas is summarized on *Table 1*. The site's development history is also shown on *Figure 2*. Based on this information and sampling data (see *Section II*, beginning on page 5), we have identified the following potential sources of PCBs:

- PCBs have been identified only in concrete floor slab samples collected from the original portions of the buildings that were present when Kennametal occupied the Site. PCBs have not been detected in newer portions of the Site building.

- The location of a dark area visible on the 1970 aerial photograph in an unpaved area south of the original building corresponds with the highest concentrations of PCBs detected on the site. The area appears to be a shadow, but, in light of the PCB data, may represent an area where liquid had been discharged. The discharge of wastewater to the ground was a common practice for many industries during this time period. For example, Kennametal used lagoons to manage wastes at their facility in Bedford, Pennsylvania from 1965 to 1981 (USEPA, 1999 – Environmental Indicator Determination Form, CA725).

- The PCB release areas generally correspond with the tungsten/cobalt release areas, suggesting that they are associated with the historical manufacture of tungsten-carbide tools by Kennametal.

- A biennial hazardous waste report for 1983 signed by a Kennametal representative indicates that approximately 600 gallons per year of waste oil was generated from the vacuum pumps used in the sintering process. Sintering is the process of fusing metallic powders at high temperatures. Vacuum pumps are used to create a vacuum in the furnace. The vacuum minimizes oxidation of the product, minimizes contamination by carbon and other gases present in air, and facilitates the maintenance of uniform temperatures. As noted above, vacuum pumps are one of the known uses for PCB oils containing both Aroclors-1248 and -1254.

- PCB-containing capacitors were present on-site in the "front" of the shop. Three were removed in 1983 by Kennametal when one leaked and caused the other two to fault. The capacitors were reportedly disposed of off-site. During a 2009 inspection, an electrical room was identified in the northeast corner of the former shop. Electrical boxes and holes where historical equipment had been mounted were observed on the north wall of the shop both inside and outside the electrical room. This area is believed to have been the most likely location for the capacitors.

Since each of these sources existed during the timeframe that Kennametal occupied the site (1965 – 1985), we believe that the release occurred during Kennametal's occupation of the site.

Constituents of Concern

PCBs are the primary constituents of concern at these release areas. In addition to PCBs, several other compounds associated with the historical manufacture of tungsten-carbide tools. These compounds, which are addressed in technical memoranda (TMs) for PAOCs 1, 10, and 13, include:

- Extractable total petroleum hydrocarbons (ETPH)
- Tungsten
- Cobalt
- To a lesser extent, other metals including arsenic, cadmium, chromium, lead, mercury, nickel, and silver

Applicable Regulatory Criteria

The releases of PCBs are subject to both State and Federal regulations:

- Connecticut Department of Energy and Environmental Protection's (DEEP's) Remediation Standard Regulations (RSRs)
- Title 40 of the Code of Federal Regulations (CFR) Section 761 – United States Environmental Protection Agency's (USEPA's) Toxic Substances Control Act (TSCA)

Connecticut Remediation Standard Regulations (RSRs)

A Connecticut Property Transfer Law Form III filing was submitted on April 10, 2014, and the Site is being evaluated with respect to Connecticut's Remediation Standard Regulations (RSRs). The site is located in a GA groundwater classification area. An environmental land use restriction (ELUR) limiting the site to industrial/commercial land use is planned. Based on this information, the following RSR criteria apply to the PCB release areas:

Soil Criteria

- Residential direct exposure criteria (1 mg/kg for PCBs)
- Industrial/commercial direct exposure criteria for inaccessible soils impacted by PCBs (10 mg/kg)
- GA pollutant mobility criteria (0.0005 mg/L for PCBs)

The RSRs allow for inaccessible soils impacted by PCBs to be remediated to 25 mg/kg if the area meets the definition of an "other restricted area" as defined by 40 CFR 761.123; however, that definition requires that the area be at least 0.1 km from a residential/commercial area. Residences on Old County Road are less than 0.1 km from the release areas; therefore, this exception does not apply.

An engineered control may be used to physically isolate PCB concentrations above 10 mg/kg. The use of such an engineered control must be approved by the DEEP and USEPA.

Groundwater Criteria

- Background (non-detect for PCBs)
- Groundwater protection criteria (0.0005 mg/L for PCBs)
- Surface water protection criteria (0.0005 mg/L for PCBs)

Toxic Substances Control Act (TSCA)

40 CFR 761 pertains to the management of PCBs. Subpart D, which specifically addresses the disposal of PCB wastes, is also referred to as the Megarule and considers releases of PCBs at concentrations of 50 parts per million (ppm, equivalent to mg/kg) or greater to constitute "disposal." Because the concentration of PCBs in soil at this site is greater than 50 ppm, the Megarule would apply to PCB remediation. The investigation approach and extent of clean-up will depend primarily on the use of the

property (characterized by the length of occupancy) and the type of waste material that is contaminated with PCBs:

- *Use of Property*: Based on the definitions in 40 CFR 761.61(a), the area is classified as a high-occupancy area. Such areas are occupied, on average 16.8 or more hours per week.

- *Type of Waste Material*: The material at the site is classified as bulk PCB remediation waste, which includes in-situ soil and concrete.

Based on this information, the site may be characterized using the self-implementing option for on-site clean-up and disposal of the PCBs in soil. The clean-up objectives will be 1 mg/kg except at areas where an appropriate "cap" (e.g. the concrete floor of the building) is present. At such capped areas, the soil may be remediated to 10 mg/kg or if a risk-based clean-up is approved, in accordance with 761.61c, a higher concentration.

II. Investigations

Investigations contributing to the development of the conceptual model for this AOC are presented below. Sampling locations are shown on *Figure 3* (concrete floor) and *Figure 4*. (soil) Analytical data are summarized in *Tables 2* through *5*:

- Table 2 – Concrete Floors
- Table 3 – Upper Release Area
- Table 4 – Lower Swale Release Area
- Table 5 – Upper Swale Release Area

Boring logs are included as *Attachment B*. Laboratory reports are included as *Attachment C*.

GPR Survey of Drainage Pipe Discharging to the Swale

Fuss & O'Neill – March 2006

On March 3, 2006 a geophysical survey was conducted to confirm the path of the pipe leading from the headwall toward the former Kennametal portion of the building. The geophysical investigation included use of a MetroTech and a GPR survey using Geophysical Survey Systems, Inc. SIR-2000™ and a 500 Megahertz (MHZ) antenna.

The survey indicated that the pipe follows a path northwest from the headwall and outfall toward the southeast corner of the original site building where a former catch basin is depicted on historical mapping. Due to the presence of snow and salt adjacent to the building, the GPR antenna could not penetrate to the depth of the pipe to confirm its connection to the building.

Phase II/III Investigations of PAOCs 1, 10, and 13 (Former Kennametal Operations and Drainage Swale)

Fuss & O'Neill – 2006-2009

In 2006, Fuss & O'Neill identified and characterized two areas impacted by Kennametal's historical manufacture of tungsten-carbide tools.

PAOCs 1 & 13 – Former Kennametal Operations and Former Maintenance Building (Upper Release Area)

Cobalt and tungsten, metals common in the manufacture of tungsten-carbide tools, were identified in the top foot of soil near the center of the site. The highest concentrations (up to 1,090 mg/kg of tungsten and 453 mg/kg of cobalt) were located just southeast of the former maintenance building at borings FOSB-531 and -592. SPLP analyses indicated that soil also exceeded the GA pollutant mobility criteria for tungsten and cobalt, and two remedial alternatives were recommended:

- Outside the building, excavation of soil exceeding applicable RSR criteria was recommended.
- Soil beneath the building that exceeds applicable RSR criteria is rendered inaccessible and environmentally isolated by the building; therefore, the recording of an ELUR was recommended to allow this impacted soil to remain in place. The ELUR would prevent the demolition of the building without first submitting a plan and obtaining DEEP approval to address the impacted soil present beneath the building.

PAOC 10 – Drainage Swale (Lower Swale Release Area)

Cobalt, tungsten, ETPH and other metals (including arsenic, cadmium, chromium, lead, mercury, nickel, and silver) were identified at elevated concentrations in drainage swale soil. The highest concentrations of tungsten and cobalt (up to 9,050 mg/kg of tungsten and 479 mg/kg of cobalt) were detected at the drainage pipe outfall at the north end of the swale. Based on the distribution of constituents the release was inferred to be the result of historic discharges from the pipe. SPLP analyses indicated that metals and petroleum hydrocarbons exceeded the GA pollutant mobility criteria. Remediation by excavation was recommended to address exceedances of both the GA pollutant mobility criteria and residential direct exposure criteria.

Waste Characterization Sampling (PCB Identification)

Fuss & O'Neill – June 2009

Prior to conducting remediation at PAOCs 1, 10, and 13, Fuss & O'Neill conducted in-situ waste characterization soil sampling so that excavated soil could be loaded directly into trucks and transported to a disposal facility without the need for on-site stockpiling. The waste characterization sampling included the collection of ten discrete samples for ETPH analysis and two composite samples for PCB analysis. When PCBs were detected in one of the composite samples at 770 mg/kg, the corresponding discrete samples were also analyzed for PCBs. The ETPH and PCB results are summarized below:

Waste Characterization Sample	ETPH Concentration (mg/kg)	PCB Concentration (mg/kg)	
		Discrete	Composite
Upper Release Area			
WC-08	ND<10	ND<0.340	
WC-09	2,100	15,000 (Aroclor 1254)	
WC-10	ND<10	1.4 (Aroclor 1254)	
WC-11	ND<11	0.6 (Aroclor 1254)	
Lower Release Area			
WC-01	18	----	0.84 (Aroclor 1254)
WC-02	ND <11	----	
WC-03	51	----	
WC-04	ND <11	----	
WC-05	26	----	

The data indicated that a release of PCBs had occurred in the Upper Release Area in the vicinity of WC-09, located just southeast of the former maintenance building and near FOSB-592, where some of the higher concentrations of tungsten and cobalt were historically detected. As shown above, the highest PCB concentration also corresponded with elevated ETPH, suggesting a potential association with petroleum products. Plans for remediation were put on hold and additional investigations of the PCB release areas were conducted.

PCB Investigations

Fuss & O'Neill – 2009 and 2014

PCB investigations were conducted in September/October 2009 and between June and November 2014. The initial model of the PCB release inferred a limited release area in the vicinity of sampling location WC-09, with concentrations decreasing away from a central "hot-spot" and stormwater transport of PCBs to the lower swale via the historical catch basin. The 2009 investigations focused primarily on the characterization of soil in the Upper Release Area and Lower Swale Release Area based on this model; however, the September 2009 investigation demonstrated that the PCBs were more widely distributed than initially anticipated, and supplemental investigations were expanded in 2014 to include groundwater, concrete flooring, and the concrete drainage pipe connecting the Upper Release Area and Lower Swale Release Area.

Concrete Floors

In 2014, 71 concrete chip samples were collected from 58 locations using a hammer drill. Most of the samples were collected from the 0- to 0.5-inch depth interval based on the surficial nature of the release mechanism. At seven locations exhibiting the highest PCB concentrations, concrete chip samples were collected from deeper intervals (including the 1- to 1.5-inch interval and 2- to 3-inch interval). The hammer drill bit was decontaminated between samples location with hexane. The samples were analyzed for PCBs using soxhlet extraction.

A summary of PCBs detected in concrete flooring is provided as *Table 2*. Sample locations and PCB distribution are shown on *Figure 3.* An overview of the data is provided below:

Summary of PCB Distribution

Sampling Area	No. of Sample Locations	Detects/ Analyzed	Maximum PCB Concentration (mg/kg)	Depth of PCBs > 1 mg/kg (inches)
Former Kennametal Building	45	34/45	140	1-2 (most areas) 3+ (P1-C422)
Former Maintenance Building	6	5/6	7.2	1-2
New Building	7	0/7	ND<0.34	Not applicable

As shown on *Figure 3*, PCBs were detected only in concrete in portions of the building formerly used by Kennametal. The highest concentration of PCBs (140 mg/kg) was detected at P1-C422 located near the former loading bay door in the southeast corner of the former Kennametal facility. In general PCB concentrations above 1 mg/kg were limited to the upper two inches of concrete except at P1-C422, where PCBs were detected above 1 mg/kg to a depth of at least three inches (the thickness of the concrete floor in the former Kennametal building ranged from 4.5 to 6.5 inches).

At several locations, the concrete floor was analyzed for tungsten to determine if a correlation existed between PCBs and tungsten. The results are summarized below and indicate that tungsten concentrations exceeding background are associated with operations in the former Kennametal building and PCB detections:

PCB/Tungsten Comparison

Sample ID	PCBs (mg/kg)	Tungsten (mg/kg)
New Building Sections (Background)		
P1-C442	ND	<3.5
P1-C444	ND	3.2
P1-C445	ND	3.2
P1-C446	ND	3.2
Former Kennametal Building		
P1-C408	1.7	91.3
P1-C413	ND	4.71
P1-C415	1.4	69.4
P1-C417	12	9.9
P1-C420	15	34.5
P1-C422	140	30.1
P1-C425	2.6	32.9
P1-C431	ND	31.6
P1-C434	8.8	<3.5

Sample ID	PCBs (mg/kg)	Tungsten (mg/kg)
Former Maintenance Shed		
P1-C438	7.2	6.23
P1-C439	2.1	3.7

Concrete Pipe Inspection

On June 10, 2014, Mobile Robotics of Hadley, Massachusetts conducted an inspection of the concrete pipe discharging to the swale. The pipe was eight inches in diameter, and a robot camera was able to navigate approximately 260 feet up the pipe from the outfall to just short of the former Kennametal building, where the pipe turned west, decreased in diameter, and a lateral entered from the north. The vehicle carrying the camera could not be advanced past the lateral; however, the camera was turned to inspect the lateral and another fork was evident. Based on the observations, there appear to be two runs of pipe connecting to the former floor drains and one run that connects to the former catch basin.

The outfall end of the concrete discharge pipe was sampled for PCBs (P3-C402). PCBs were detected at 2.2 mg/kg. No sediment was observed in the pipe. A hole was noted in the pipe approximately 3 feet from the entrance point, and joints were noted approximately every 13-15 feet along the pipe. Four of the joints exhibited some signs of separation. The depth of the pipe is approximately seven to eight feet below grade along its length from the building to the edge of the parking lot. Soil borings P1-216 through -218 were drilled adjacent to the pipe in the area of the separated joints and are discussed with the Upper Release Area data below.

Upper Release Area

A total of 63 soil borings (27 in 2009 and 36 in 2014) were drilled in the Upper Release Area and approximately 137 samples were analyzed for PCBs. Borings associated with the Upper Release Area (P1-Series and the WC-Series) are shown on *Figure 4* and listed in *Table 3*. Most of the borings were drilled using a direct-push drill rig and a stainless steel soil sampler with dedicated acetate liners. The length of the sampler varied from 24 to 60 inches depending on the objective of the sampling and recovery observed in the field. Later sampling typically targeted smaller sample intervals in an effort to refine the understanding of the vertical distribution of PCBs in soil. In locations that were inaccessible to a drill rig, samples were collected by hand using the same type of sampler and either a slide hammer or pneumatic hammer. The samples were analyzed for PCBs using soxhlet extraction. The rationale for specific borings is summarized below:

Boring Location	Rationale
P1-100 series	Generally drilled in 2009 with the exception of P1-105B, which was drilled in 2014.
P1-200 series	Drilled in 2014 as part of supplemental investigations.
P1-105 series	Advanced at WC-09 to provide depth profiles in the source area.

Boring Location	Rationale
P1-101 through -114	Advanced on a 3-meter grid to serve as a basis for sampling grid that would meet the objectives for PCB characterization under the Megarule (samples were not analyzed from every location).
P1-124	Inside the former electrical room. A concrete subfloor was encountered; therefore, soil samples were collected from material between the floors (0.4-0.6 feet) and beneath the subfloor (0.7-2 feet)
P1-215, -217, and -218	Drilled along the subsurface concrete drainage pipe between the building and Lower Swale Release Area at locations that corresponded to the lateral connection beneath the building and separated joints. Samples were collected from 6-7, 7-9, and 9-10 feet below grade.
P1-201 through -204	Adjacent to floor drains in the former Kennametal building; 4-5 soil samples were collected to depths up to ten feet below grade.
P1-233 and -234	Adjacent to a concrete pad located outside the east wall of the office portion of the building that could have historically contained an electrical transformer.
P1-235	Adjacent to a rear-door to the former Kennametal building
Remaining borings	Drilled in an iterative fashion to characterize PCBs detected in soil

Analytical results are summarized on *Table 3*. PCB concentrations in the Upper Release Area ranged from 0.25 mg/kg to 2,500 mg/kg. The highest concentrations were centered on two locations:

- P1-105 (2,500 mg/kg), located just southeast of the former maintenance shed constructed by Kennametal, which also corresponds to WC-09 as well as the dark location on the 1970 aerial photograph of the Site. The concentration was reported in the 0- to 1-foot depth interval. The sand at this location exhibited a whitish color and pasty consistency. It is inferred that this material is associated with the historical manufacture of tungsten-carbide tools. Tungsten-carbide is naturally grayish in color. The material was analyzed for tungsten, which was detected at an elevated concentration of 241 mg/kg. For reference, background tungsten at the Site was determined to be less than 4 mg/kg.

- P1-222 (1,800 mg/kg), located beneath the building in a position southwest of the former maintenance shed. The concentration was reported in the 0- to 1-foot depth interval.

The lateral distribution of PCBs, based on all soil samples collected is shown on *Figure 4*. The release area extends beneath the more recent additions of the site building, which confirms that the release to shallow soil occurred prior to construction of the additions. Vertical profiling indicates that PCB-impacted soil is limited to the top two feet of soil except at the P1-105/WC-09 source area where impacted soil extends to seven feet below grade and P1-126 (loading bay entrance) where PCBs extend to three feet below grade. Other key observations based on the data include:

- Concrete Pad East of Building – PCBs were not detected
- Former Electrical Room – PCBs were not detected

- Floor Drains – Only low concentrations of PCBs (0.76 mg/kg) were detected at one of four locations (P1-202, 2-4 feet)
- Drainage Pipe – PCBs were not detected adjacent to separated joints in the drainage pipe
- PCB/ETPH Correlation – Several samples from the September 2009 investigation exhibiting a range of PCB concentrations were analyzed for ETPH to determine if a correlation existed between ETPH and PCBs. The results are summarized below:

PCB/ETPH Comparison

Sample ID	PCBs (mg/kg)	ETPH (mg/kg)
WC-09	15,000	2,100
P1-108 (0.5-1')	410	460
P1-112 (0.5-1')	190	51
P1-111 (0.5-1')	54	24
P1-101 (0.5-1')	20	ND<10
P1-114 (0.5-1')	2.6	ND<10
WC-10	1.4	ND<10
WC-11	0.6	ND<11
WC-08	ND<0.340	ND<10

The above information demonstrates that the primary source of PCBs in the Upper Release area is historical spills/disposal south of the former Kennametal maintenance shed before construction of the new building additions. The other potential sources (drains, pipe, electrical room, and concrete pad area) are not significant sources of PCBs in the Upper Release Area. The presence of ETPH with higher concentrations of PCBs suggests a petroleum source (such as vacuum pump oils, lubricating oils, or cutting oils) rather than materials such as adhesives, pesticides, or caulking compounds. The relatively high concentration of PCBs relative to ETPH suggests that PCBs were present in the source material as a primary component rather than as an additive.

Lower Swale Release Area

A total of 22 soil borings (12 in 2009 and 10 in 2014) were advanced in the Lower Swale Release Area and approximately 31 soil samples and two pipe concrete chip samples were analyzed for PCBs. Borings associated with the Lower Swale Release Area are shown on *Figure 4* and listed in *Table 4*. Because the area was inaccessible to a drill rig, samples were collected using a hand Geoprobe with dedicated liners, a hand auger, or disposable scoops. Non-dedicated equipment (e.g. hand augers) were decontaminated with hexane. Later sampling typically targeted smaller sample intervals in an effort to refine the understanding of the vertical distribution of PCBs in soil. The samples were analyzed for PCBs using soxhlet extraction. The rationale for specific borings is summarized below:

Boring Location	Rationale
P3-100 series	Sampled in 2009 with the exception of P3-109A, and P3-111A to C which were sampled in 2014. P3-101/101A, -102/102A, -103, -109/109A, -111/111A are located in the main channel. The other borings represent higher elevations along the banks of the swale.
P3-200 series	Sampled in 2014 as part of supplemental investigations. P3-206 is located in the main channel. The other borings represent higher elevations along the banks of the swale. P3-205 is a sample collected just behind the swale headwall at a depth near the top of the subsurface pipe. A deeper sample could not be collected because of densely compacted gravel in the pipe trench.
P3-C401 P3-C402	Sample of the concrete culvert at the out-flow (south) end of the swale. Sample of the concrete pipe at the inflow (north) end of the swale.

Analytical results are summarized on *Table 4*. PCB concentrations in the Lower Swale ranged from 0.042 mg/kg to 56 mg/kg. The highest concentration was detected at the outfall of the influent concrete drainage pipe (P3-101A). The lateral distribution of PCBs, based on all soil samples collected is shown on *Figure 4*. The release area extends from the pipe outfall to the southern end of the swale where it enters a concrete drainage culvert. The PCB concentration in soil at the terminus of the swale was 0.56 mg/kg. As previously noted, the outfall end of the concrete drainage pipe at the upper end of the swale exhibited a PCB concentration of 2.2 mg/kg. The concrete outfall culvert at the downstream property boundary was also sampled (P3-C401), and PCBs were not detected in the concrete. Outside the main channel, PCBs were not detected above 0.22 mg/kg.

Based on the data, it appears that PCBs in the Lower Swale were most likely transported by stormwater flow from the catch basin formerly located south of the Kennametal building or from drains inside the building. The pattern of PCBs also mimics the distribution of tungsten in this portion of the Site. PCBs were typically not detected below a depth of two feet, with the only detection below two feet located at P3-101A (at the head of the swale). Further down the swale the PCBs are generally limited to the upper foot.

Upper Swale Release Area

A total of 34 soil borings (1 in 2009 and 33 in 2014) were advanced in the Upper Swale Release Area and approximately 60 soil samples were analyzed for PCBs. Borings associated with the Upper Swale Release Area are shown on *Figure 4* and listed in *Table 5*. Because the area was inaccessible to a drill rig, samples were collected using a hand Geoprobe with dedicated liners, a hand auger, or disposable scoops. Non-dedicated equipment (e.g. hand augers) were decontaminated with hexane. Later sampling typically targeted smaller sample intervals in an effort to refine the understanding of the vertical distribution of PCBs in soil. The samples were analyzed for PCBs using soxhlet extraction. The rationale for specific borings is summarized below:

Boring Location	Rationale
P3-105 series	P3-105 was sampled in 2009, initially as part of the Lower Swale investigation; later found to be the southern extent of the Upper Swale Release Area. The rest of the P3-105 series are supplemental samples collected in 2014 to characterize the release area.
P3-300 series	Sampled in 2014 as part of supplemental investigations.
P3-315 to -319	Based on a suggestion from DEEP to collect several closely spaced borings between P3-310 and the residential properties, these sample locations were collected approximately 8 feet apart within 3-5 feet of the property line.

Analytical results are summarized in *Table 5*. The lateral distribution of PCBs, based on all soil samples collected is shown on *Figure 4*. In the Upper Swale, PCBs were detected at concentrations up to 310 mg/kg (P3-311). The highest concentrations were detected in 2-3 feet below grade in a lobe of fill at the north end of the release area. The PCBs in this area are not associated with discharge from the pipe discussed above and are inferred to be associated with impacted soil excavated from the Upper Release Area during the installation of the underground utilities (roof drains, sewer, and electrical) and possibly the building additions before the release of PCBs had been discovered.

The data indicate that, in the swale beyond the fill, the impacted soil is limited to the upper 1.5 feet of soil with the highest concentrations detected in the top foot, consistent with impacted material being washed off the fill during rain events. In addition, sample locations P3-315 through -319 demonstrate that PCBs have not migrated to the property line at concentrations above 1 mg/kg.

Groundwater

In October 2009, groundwater samples were collected from three site monitoring wells to determine if groundwater had been impacted by PCBs:

- FOMW-903, located downgradient from the upper release area
- MW-2, located in the drainage swale
- FOMW-908, located on the southwestern portion of the site (sampled as part of the confirmation that PCBs were not present on the southern portion of the site)

The monitoring wells were sampled using peristaltic pumps and low-flow sampling methods. The samples were submitted for PCB analysis. PCBs were not detected in the groundwater samples.

In June 2014, groundwater samples were collected from four monitoring wells in the vicinity of the PCB release areas (MW-02, FOMW-903, FOMW-905, and FOMW-906) to confirm the 2009 results. Depth to groundwater in the Upper Release Area ranged from approximately 21 to 25 feet below grade. Depth to groundwater in the Lower Release Area was approximately six feet below grade. The groundwater samples were collected using low flow methods and analyzed for PCBs. PCBs were not detected.

The two rounds of groundwater sampling demonstrate that groundwater at the Site has not been impacted by PCBs.

III. Final Conceptual Model

Following the identification of PCBs at the former Wood Group site during pre-remediation waste characterization sampling in 2009, investigations were conducted to identify the source of PCBs and characterize the extent of PCB impacts. 73 concrete samples, 225 soil samples, and 7 groundwater samples were collected in 2009 and 2014. Five release areas were identified and characterized and the final conceptual model for each is presented below:

Concrete Floors

Approximately 25 percent of the concrete floor in the Kennametal portion of the original site building and 75 percent of the floor in in the former maintenance shed are impacted by PCBs above 1 mg/kg. PCBs are generally limited to the upper two inches of concrete except at P1-C422, where PCBs detected at the highest concentration (140 mg/kg). At this location, PCBs are present at concentrations above 1 mg/kg to depths greater than three inches. PCBs were most likely released to the floors during the time Kennametal occupied the building from PCB-containing equipment or through spills during historical processes that used PCB oils. Concrete in the new building sections did not exhibit detectable PCBs.

Subsurface Concrete Pipe

Analytical data and evidence from a camera inspection suggest that the subsurface concrete pipe conveyed stormwater associated with a catch basin at the southeast loading bay of the former Kennametal building to the Lower Swale area. Floor drains in the Kennametal building (currently sealed) also likely discharged to the concrete drainage pipe. A sample of concrete from the pipe's outfall end contained PCBs at 2.2 mg/kg; however, soil sampling adjacent to separated joints identified no detectable PCBs, suggesting that, while the pipe conveyed PCBs to the swale and is impacted by PCBs, the pipe did not leak significant concentrations of PCBs along its length.

Upper Release Area

The analytical data and aerial photographs depicting a dark area southeast of the former maintenance shed suggest that PCB oils may have been spilled or discarded at the Upper Release Area. The highest concentrations of PCBs at the Site (15,000 mg/kg at WC-09 and 2,500 mg/kg at P1-105) were in the vicinity of the dark area. A second "hot spot" of 1,800 mg/kg was identified just southwest of the shed. The release(s) most likely occurred during Kennametal operation of the Site because the PCBs extend beneath the newer building sections where the concrete floor is not impacted by PCBs. PCB concentrations above 1 mg/kg are generally limited to the upper 2-4 feet of soil except at P1-105/A/B, where PCBs above 1 mg/kg extend to a depth of 6-7 feet below grade. The floor drains, subsurface pipe, and electrical room are not significant sources of PCB releases to soil in the Upper Release Area. Groundwater has not been impacted by PCBs.

Lower Swale

PCBs in the Lower Swale are concentrated in the main channel between the concrete discharge pipe outfall and the small wetland area at the south end of the swale, with the highest concentrations (up to 56 mg/kg) detected at the headwall of the swale. Outside the main channel, PCBs were not detected above

0.22 mg/kg. The PCBs were most likely transported to the Lower Swale by stormwater flow from the catch basin formerly located south of the Kennametal building or from drains inside the building. PCBs are generally limited to the upper two feet of soil in the area adjacent to the concrete discharge pipe and to the upper foot in the rest of the swale. Data collected from the lower terminus of the swale indicates that PCBs did not migrate off-site at elevated concentrations and the swale outflow pipe concrete did not contain detectable PCBs. Groundwater has not been impacted by PCBs.

Upper Swale

PCB concentrations up to 310 mg/kg were detected in the Upper Swale. Based on the analytical data and terrain observations, the most likely source of the PCBs is fill excavated during construction activities in the vicinity of the Upper Release Area. PCB impacts are limited to the fill and the upper 1.5 to 3 feet of soil in the swale.

IV. Regulatory Compliance Analysis

The release of PCBs is subject to the following regulations:

- DEEP's RSRs
- TSCA/Megarule

RSR Compliance

The RSRs require that the nature and extent of release areas be fully characterized prior to making a final determination of compliance with the RSRs. With the exception of P1-229 in the northwest corner of the Upper Release Area where PCBs were detected at 1.1 mg/kg, the release areas have been characterized to less than 1 mg/kg. P1-229 can be further evaluated during remediation.

Direct Exposure Criteria

The site building renders a portion of the upper release area inaccessible. Under the RSRs, this area may be remediated to 10 mg/kg if an ELUR prohibiting the disturbance of the building floor slab is recorded on the land records. It may also be possible to obtain DEEP and USEPA approval to isolate higher concentrations beneath an engineered control that incorporates the building. Areas outside the building will need to be remediated to the residential direct exposure criteria of 1 mg/kg.

Pollutant Mobility Criteria

Compliance with the GA pollutant mobility criteria for PCBs (0.0005 mg/L) is determined through SPLP analysis. Seven soil samples exhibiting detectable PCBs were analyzed for SPLP PCBs with the following results:

Sample ID	Total PCBs (mg/kg)	SPLP PCBs (mg/L)
P1-108 (0.5'-1')	410	0.2
P1-190 (0.5'-1')	190	0.017

Sample ID	Total PCBs (mg/kg)	SPLP PCBs (mg/L)
P1-111 (0.5'-1')	54	0.0021
P1-101 (0.5'-1')	20	0.0033
P1-114 (0.5'-1')	2.6	0.00058
P1-130 (2'-4')	1.3	ND<0.0005
P1-119 (0.5'-2')	0.89	ND<0.0005

*Bold/shaded values indicate concentrations greater than the GA pollutant mobility criteria of 0.0005 mg/L

Based on these data, it appears that PCBs with a total concentration greater than 1.5 mg/kg to 2 mg/kg are likely to exceed the GA pollutant mobility criteria. Outside the building, soil exceeding the GA pollutant mobility criteria will need to be remediated. Where such soil is located beneath the building, it is considered environmentally isolated. The recording of an ELUR would allow such soil to remain in place by prohibiting the demolition of the building or disturbance of the floor slab without DEEP authorization.

Ecological Risk

The clean-up criteria and approach for the delineated wetland area in the lower swale has been discussed with DEEP technical staff. Sediment within the delineated wetland boundary will be remediated vertically to 0.3 mg/kg.

Groundwater Compliance

Groundwater samples collected in September 2009 and June 2014 indicate that groundwater has not been impacted by PCBs. Following remediation, a minimum of four consecutive quarters of groundwater sampling will be necessary to demonstrate compliance with the groundwater and surface water protection criteria in the RSRs following remediation.

TSCA/Megarule

The Megarule specifies characterization objectives and clean-up criteria that depend on the use of the property and the type of waste material that is contaminated with PCBs.

Characterization Requirements

As specified in 40 CFR 761.61(a)(3), at least 30 days prior to the date clean-up of the site begins, the USEPA must be notified. Such notification is to include:

- Nature of the contamination
- Summary of the investigation procedures and results (which will be subject to USEPA's acceptance)
- Location and extent of impacted areas
- Clean-up plan

- Written certification signed by the owner of the site and the party conducting the cleanup that all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to characterize the release are on file at the location designated in the certificate and available for USEPA inspection. Samples should be extracted using either EPA SW-846 Method 3500B/3540C (Soxhlet extraction) or Method 3500B/3550B and analyzed using EPA SW-846 Method 8082 or prepare a comparison study that meets TSCA requirements.

Clean-Up Criteria

The clean-up objective for soil in high-occupancy areas is 1 mg/kg except at areas where the concrete floor of the building renders the soil inaccessible. The EPA also requires that the floor slab be six inches thick. At such capped areas, the soil may be remediated to 10 mg/kg. As noted above, it may be possible to obtain USEPA approval to isolate higher concentrations beneath an engineered control that incorporates the building.

Preliminary Evaluation of Remedial Options

In order to meet objectives of both the RSRs and the Megarule, remediation of PCB-impacted soil will be required. Options for meeting the above objectives inside and outside the building are summarized below:

- *Outside the Building*: We recommend excavating soil and the concrete drainage pipe outside the building that exceeds 1 mg/kg of PCBs (except in the delineated wetland area in the lower swale, where soil will be remediated vertically to 0.3 mg/kg. We anticipate that this will achieve objectives of the Megarule and the direct exposure and pollutant mobility criteria in the RSRs.

- *Beneath the Building*: Several options are feasible inside the building:

    1. Soil with PCBs exceeding 1 mg/kg could be excavated.
    2. Soil exceeding 10 mg/kg of PCBs could be excavated and soil with 1 mg/kg to 10 mg/kg could be rendered inaccessible and environmentally isolated by the building floor slab providing an ELUR is recorded to prevent the demolition of the building without first submitting a plan and obtaining DEEP approval to address the impacted soil present beneath the building.
    3. A risk based alternative allowing soil with PCBs above 10 mg/kg and/or a thinner floor slab may be proposed to the DEEP and EPA for approval.

V. Conclusions And Recommendations

During routine waste characterization sampling for remediation of tungsten and cobalt, PCBs were discovered. The release areas have been characterized and the data is sufficient to make the following conclusions and recommendations for meeting State and Federal clean-up objectives:

- The data suggests that the release of PCBs is associated with Kennametal's historical manufacture of tungsten-carbide tools, most likely vacuum pump oils, lubricating oils, cutting oils, and possibly hydraulic oils and dedusting agents, all of which could have contained PCBs.

- Reported concentrations of PCBs are greater than 50 mg/kg, requiring that the releases be managed in accordance with the Megarule. Concentrations also exceed RSR direct exposure criteria and pollutant mobility criteria. Remediation will be required at five areas to meet both State and Federal criteria:

    1. Concrete Floors – PCB concentrations up to 140 mg/kg were detected. Approximately 4,200 square feet of concrete to a depth of 2 inches will require remediation to address PCBs above 1 mg/kg, and an additional 180 square feet will require removal of the entire floor thickness.

    2. Concrete Drainage Pipe – The concrete drainage pipe has been impacted by PCBs (2.2 mg/kg detected at the outfall end); however, the pipe does not appear to be a source of PCBs in soil along its length. The pipe will require remediation to address PCBs above 1 mg/kg.

    3. Upper Release Area – PCBs up to 15,000 mg/kg were detected in shallow soil and inferred to be associated with historical spills/disposal near the former maintenance shed. An approximately 12,900 square-foot area has been impacted by PCBs above 1 mg/kg (generally less than 2 feet deep except in P1-105 source area where PCB impacts extend to 7 feet). A combination of excavation of PCBs over 1 mg/kg outside the building and excavation and physical isolation of PCBs over 1 mg/kg within the building footprint are expected to be used to remediate the Upper Release Area. DEEP and USEPA approval will be required to physically isolate PCBs over 10 mg/kg.

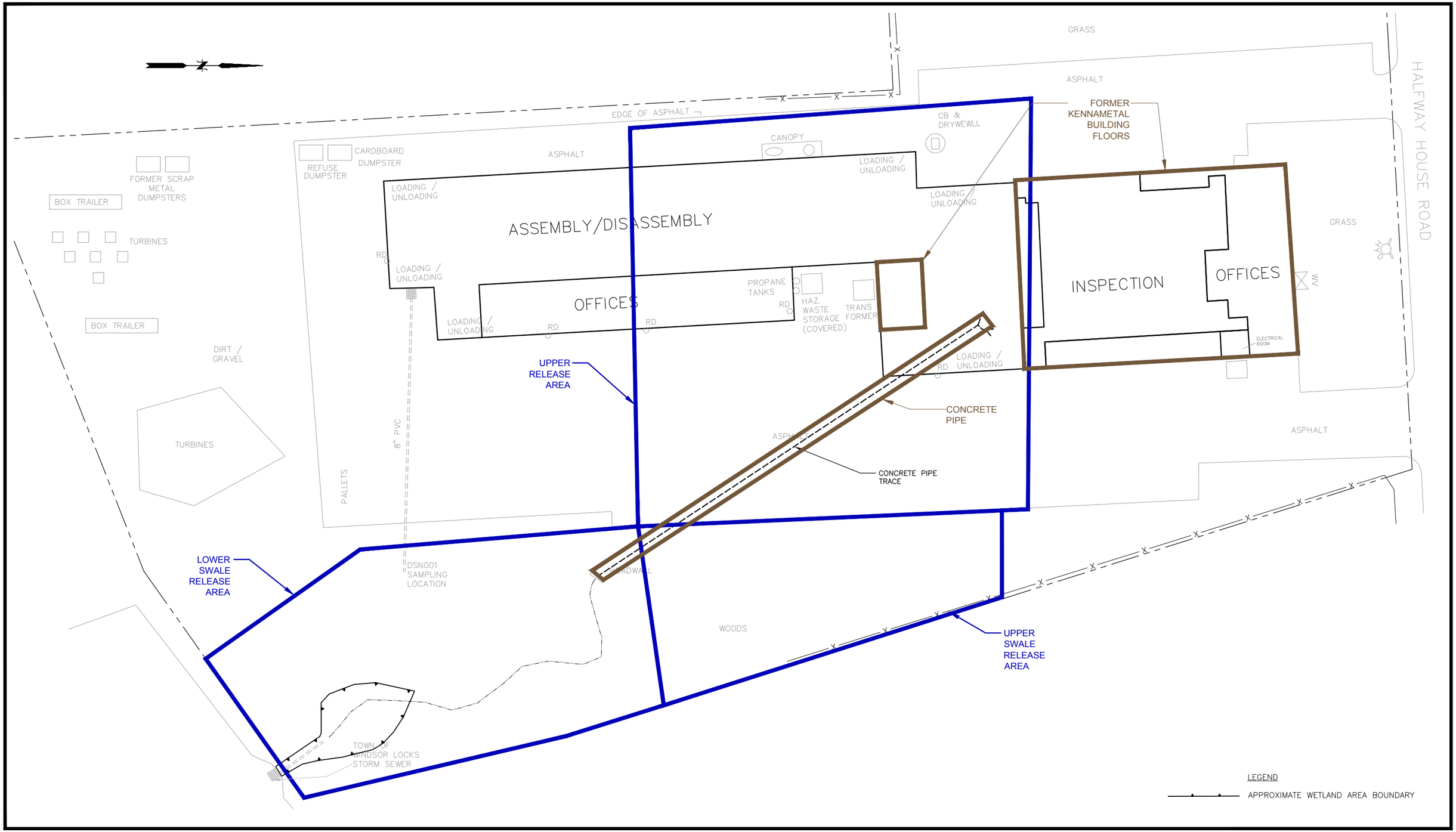
    4. Lower Swale Release Area – The Lower Swale has been impacted by PCB concentrations up to 56 mg/kg. The distribution supports the model of PCB-impacted discharges from the concrete discharge pipe. With the exception of the pipe outfall, PCBs above 1 mg/kg are limited to the upper foot of soil in the main channel (approximately 6,000 square feet). Soil in the lower swale will be remediated to 1 mg/kg of PCBs, except in the delineated wetland area, where, per discussions with DEEP technical staff, sediment will be remediated vertically to 0.3 mg/kg.

    5. Upper Swale Release Area – PCB concentrations up to 310 mg/kg were detected in fill in the Upper Swale. The source is inferred to be material excavated from the Upper Release Area during construction activities. An area of approximately 6,000 square feet containing PCBs above 1 mg/kg will be remediated by excavation. PCB impacts are limited to the fill and the upper 1.5 feet of soil within the swale.

- Groundwater does not appear to have been impacted. Additional monitoring will be necessary to demonstrate compliance with the RSRs.

VI. Attachments

Figure 1	PCB Soil Release Areas
Figure 2	Site Development History
Figure 3	Distribution of PCBs in Concrete Floors
Figure 4	Distribution of PCBs in Soil
Table 1	Historical Information
Table 2	Summary of PCBs Detected in Concrete Floors
Table 3	Summary of PCBs Detected in Soil – Upper Release Area
Table 4	Summary of PCBs Detected in Soil – Lower Swale Release Area
Table 5	Summary of PCBs Detected in Soil – Upper Swale Release Area
Attachment A	1970 and 1975 Aerial Photographs
Attachment B	Boring Logs (on CD)
Attachment C	Laboratory Reports (on CD)



No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.			XX/XX	XX

SCALE:
HORZ.: 1" = 50'
VERT.:
DATUM:
HORZ.:
VERT.:
0 25 50
GRAPHIC SCALE

FUSS & O'NEILL
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469
www.fando.com

PCB RELEASE AREAS

FORMER WOOD GROUP POWER, INC.

523 HALFWAY HOUSE ROAD WINDSOR LOCKS, CONNECTICUT

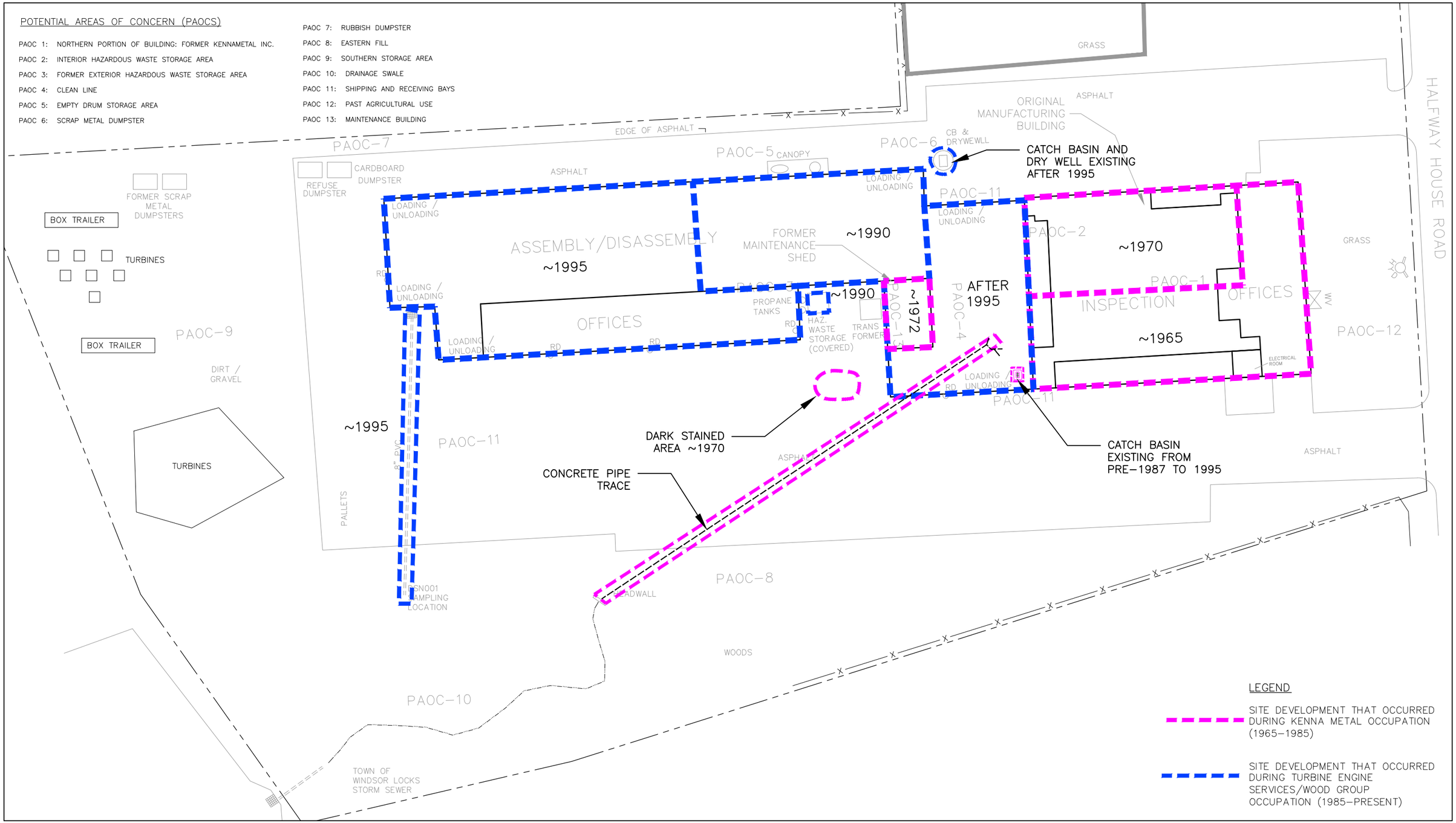
PROJ. No.: 20051184R73
DATE: NOVEMBER 2014

FIGURE 1

File Path: J:\DWG\P2005\1184R73\Environmental\Plan\20051184R73_EWD03_pcb release areas.dwg Layout: 11X17-L Plotted: Fri, November 07, 2014 - 2:50 PM User: srochelt
Plotter: DWG TO PDF.PC3 CTB File: FO COLOR (HALF).CTB
MS VIEW:
LAYER STATE:

POTENTIAL AREAS OF CONCERN (PAOCS)

PAOC 1: NORTHERN PORTION OF BUILDING: FORMER KENNAMETAL INC.
PAOC 2: INTERIOR HAZARDOUS WASTE STORAGE AREA
PAOC 3: FORMER EXTERIOR HAZARDOUS WASTE STORAGE AREA
PAOC 4: CLEAN LINE
PAOC 5: EMPTY DRUM STORAGE AREA
PAOC 6: SCRAP METAL DUMPSTER
PAOC 7: RUBBISH DUMPSTER
PAOC 8: EASTERN FILL
PAOC 9: SOUTHERN STORAGE AREA
PAOC 10: DRAINAGE SWALE
PAOC 11: SHIPPING AND RECEIVING BAYS
PAOC 12: PAST AGRICULTURAL USE
PAOC 13: MAINTENANCE BUILDING



No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.			XX/XX	XX

MAP REFERENCE:

1. FACILITY FEATURES FROM "MAP SHOWING LAND OWNED BY TURBINE ENGINE SERVICES" PREPARED BY NERIANI SURVEYING, 8/19/95 REVISED 6/30/97 AND OBSERVATIONS DURING SITE WALKOVER ON 1/15/98.

2. SAMPLE LOCATIONS AND INTERIOR BUILDING FEATURES MEASURED IN FIELD 12/05 TO 10/09.

SCALE:
HORZ.: 1" = 50'
VERT.:
DATUM:
HORZ.:
VERT.:
0 25 50
GRAPHIC SCALE

FUSS & O'NEILL
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469
www.fando.com

SITE DEVELOPMENT HISTORY

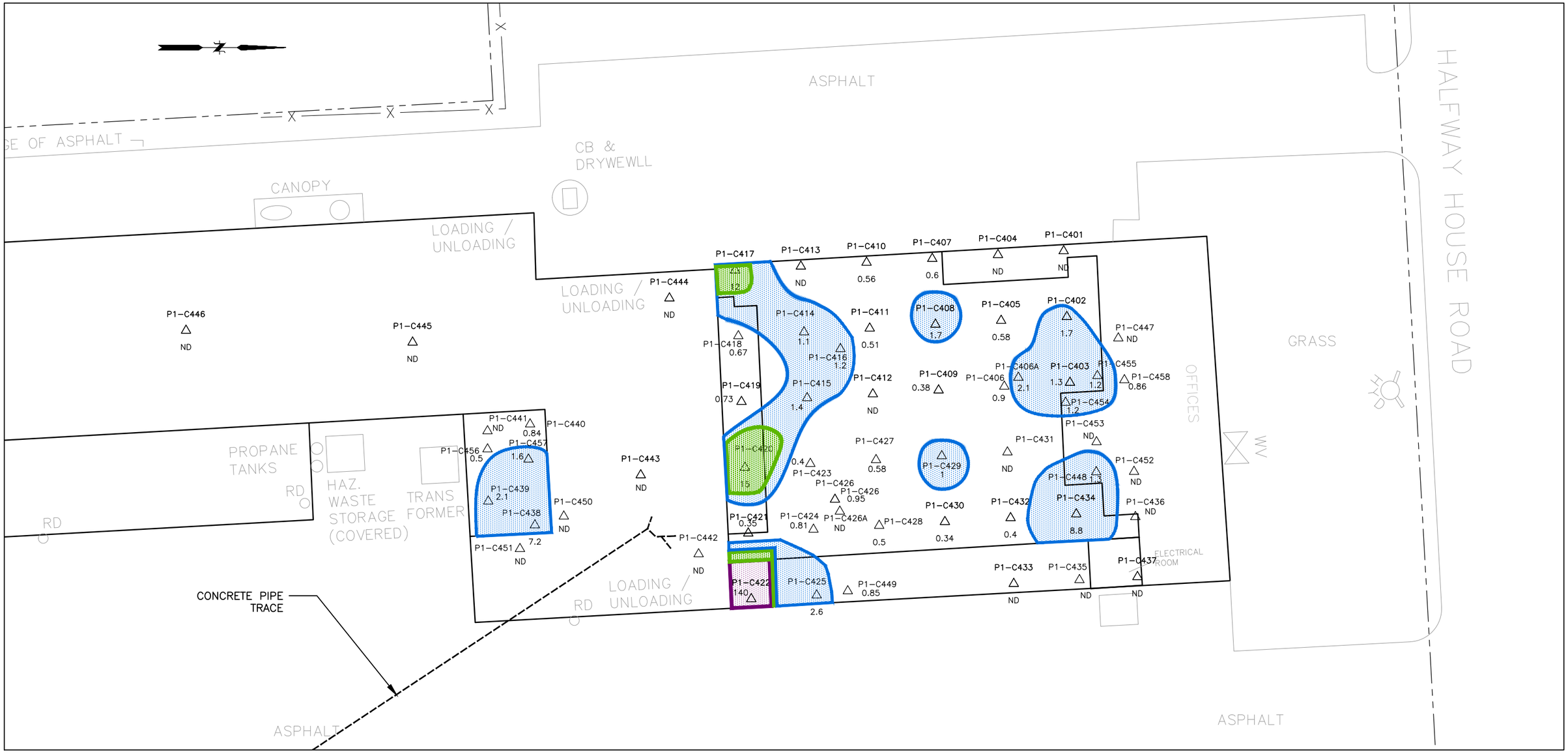
FORMER WOOD GROUP POWER, INC.

523 HALFWAYHOUSE ROAD WINDSOR LOCKS, CONNECTICUT

PROJ. No.: 20051184R73
DATE: NOVEMBER 2014

FIGURE 2

File Path: J:\DWG\P\2005\1184\R73\Environmental\Plan\20051184R70_STP01_historical site dev.dwg Layout: 11X17-L Plotted: Fri, November 07, 2014 - 11:19 AM User: srochelt
Plotter: DWG TO PDF.PC3 CTB File: FO COLOR (HALF).CTB
LAYER STATE:
MS VIEW:



AREA OF CONCRETE REQUIRING REMOVAL TO 2 INCHES = 4,200 SQ. FT.

AREA OF CONCRETE REQUIRING FULL THICKNESS REMOVAL = 180 SQ. FT.

LEGEND

P3-C425 △ 2.6 — CONCRETE SAMPLE – SAMPLE ANALYZED FOR PCBs; PCB CONCENTRATION IN CONCRETE SAMPLE

PCB CONCENTRATIONS IN CONCRETE >50 mg/kg

PCB CONCENTRATION IN CONCRETE 10 – 50 mg/kg

PCB CONCENTRATIONS IN CONCRETE 1 – 10 mg/kg

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.			XX/XX	XX

SCALE:
HORZ.: 1" = 30'
VERT.:
DATUM:
HORZ.:
VERT.:
0 15 30
GRAPHIC SCALE

FUSS & O'NEILL
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469
www.fando.com

DISTRIBUTION OF PCBs IN CONCRETE FLOORS

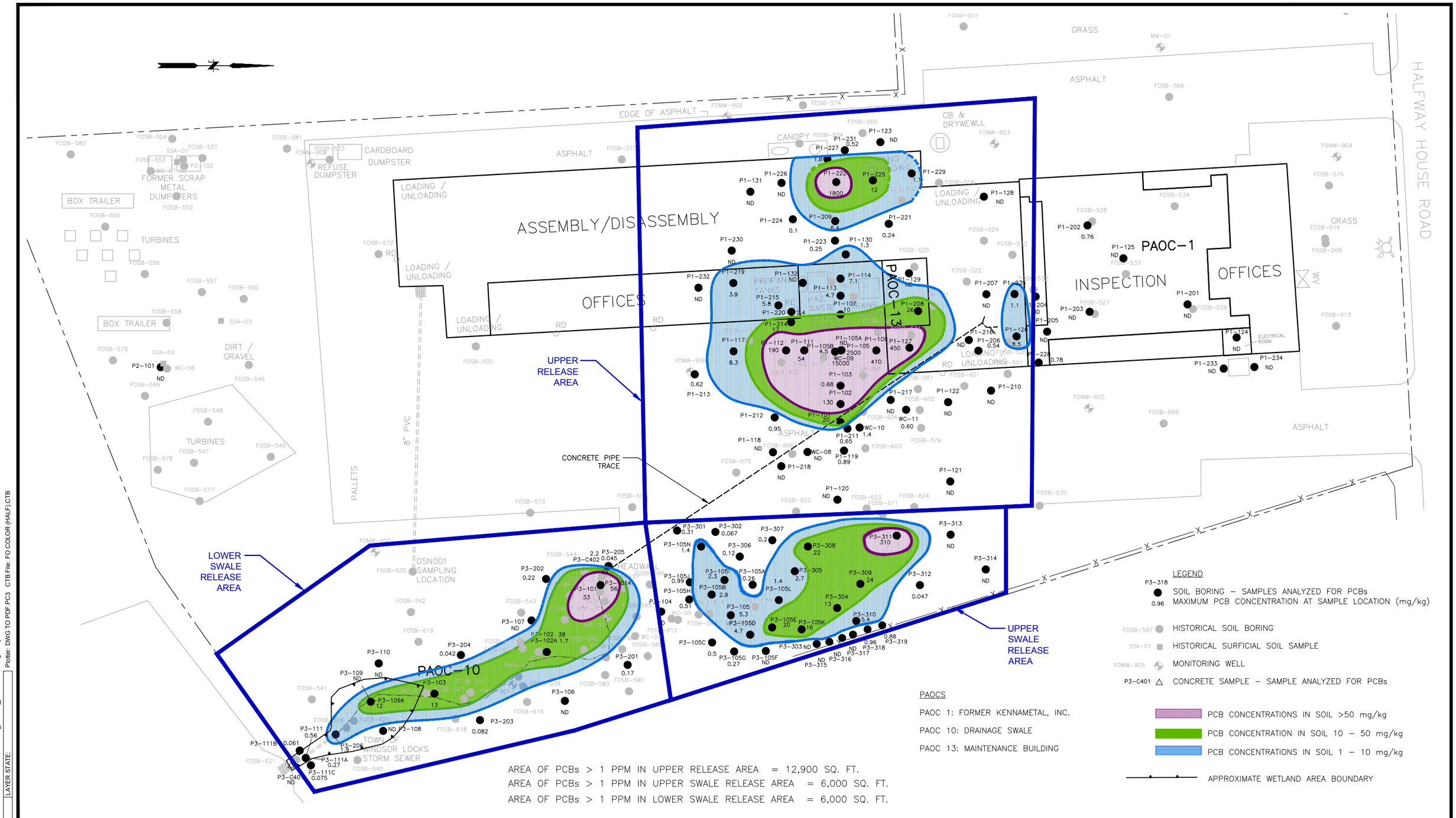
FORMER WOOD GROUP POWER, INC.

523 HALFWAY HOUSE ROAD WINDOR LOCKS, CONNECTICUT

PROJ. No.: 20041184R73
DATE: NOVEMBER 2014

FIGURE 3

File Path: J:\DWG\P2005\1184R73\Environmental\Plan\20051184R73_EWD01_pcb concrete rem.dwg Layout: 11X17-L Plotted: Fri, November 07, 2014 - 2:40 PM User: srochelt
Plotter: DWG TO PDF.PC3 CTB File: FO COLOR (HALF).CTB
MS VIEW:
LAYER STATE:



No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.			XX/XX	XX

SCALE:
HORZ.: 1" = 50'
VERT.:
DATUM:
HORZ.:
VERT.:
0 25 50
GRAPHIC SCALE

FUSS & O'NEILL
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469
www.fando.com

DISTRIBUTION OF PCBs IN SOIL

FORMER WOOD GROUP POWER, INC.

523 HALFWAY HOUSE ROAD WINDSOR LOCKS, CONNECTICUT

PROJ. No.: 20051184R73
DATE: NOVEMBER 2014

FIGURE 4

File Path: J:\DWG\P2005\1184R73\Environmental\Plan\20051184R73_EWD02_pcb soil rem.dwg Layout: 11X17-L Plotted: Fri, November 21, 2014 - 7:35 AM User: srochelt
Plotter: DWG TO PDF.PC3 CTB File: FO COLOR (HALF).CTB
MS VIEW:
LAYER STATE:

FUSS & O'NEILL

Table 1
Historical Information
PCB Release Area
Former Wood Group Power, Inc.
Windsor Locks, Connecticut

Date	History	Source
1951	Site is agricultural	Aerial photographs
1965	Kennametal constructed a concrete block building on the northern portion of the site and began manufacturing tungsten carbide tools. The building is L-shaped with a northern arm approx. 105' x 28' and an eastern arm approx. 119' x 53'. The area around the building does not appear to be paved. Storage of several items is visible to the southwest of the building. The area south of the building has been cleared.	City street directories Aerial photographs
1970	A building addition has been constructed and the building is now rectangular with dimensions of approximate 105' (east to west) x 147' (north to south). An area approximately 50' around the building appears to be paved. A dark stained area is present on the asphalt leading from the southwest bay door south and east to the edge of the paved area. Another dark area is apparent in the unpaved area approximately 105' south of the building's southeast corner. This location corresponds to the highest concentration of PCBs detected in the upper release area.	Aerial photograph (see Attachment A)
1972	A permit is issued to construct a steel storage building on the site. This is the former maintenance building (AOC 13) that is later enclosed inside the main facility.	Town of Windsor Locks
1975	An area of darker soil is visible south of the southeast corner of the maintenance building in the same location as the dark area noted in the 1970 aerial photo. A fence line appears to run east to west through this area.	Aerial photograph (see Attachment A)
1976	Connecticut bans manufacture of PCBs and regulates use.	CTDEP
1978	U.S. Environmental Protection Agency (EPA) bans manufacture of PCBs.	USEPA
1980	Storage is evident on the south side of the former maintenance building.	Aerial photograph
1982	RCRA inspection indicates Kennametal occupies the site and generates approximately 50 gallons per month of waste oil from compressors and furnaces.	CTDEP files
1983	Three capacitors are taken out of service. A rupture in one caused the others to fault. Liquid was contained by a fiberglass tray under the leaking capacitor and cleaned up with Speedi-Dri. The waste and capacitors are sent to Kennametal's Latrobe, PA facility for selection of a disposal site. A CTDEP inspector notes 17 additional capacitors in the front of the shop (inferred to be the north end, adjacent to the offices) in two banks. No other PCB items are identified during the inspection.	CTDEP, Waste Management Bureau, PCB Program
1984	A USEPA biennial hazardous waste report for 1983 signed by a Kennametal representative indicates that approximately 600 gallons per year of waste oil was generated from the vacuum pumps used in the sintering process.	CTDEP files

FUSS & O'NEILL

Table 1
Historical Information
PCB Release Area
Former Wood Group Power, Inc.
Windsor Locks, Connecticut

Date	History	Source
1985	Turbine Engine Services acquires the site in September 1985. Kennametal conducted phase-out of operations from 1984 to February 1985. A 2002 CTDEP inspection report indicated that Turbine Engine Services had removed carbide waste left behind by Kennametal but did not believe that anything other than carbide had been left behind.	CTDEP files
1986	Kennametal is no longer listed as a site occupant in street directories. A CTDEP inspection in May 1986 identified Turbine Engine Services as the site occupant. The inspection reports note that Turbine Engine Services would be trying to determine if Kennametal had disposed of unknown waste through floor drains into a storm drain. Turbine Engine Services' wastes are picked up by licensed haulers. The area east and south of the former maintenance building is not paved.	City street directories CTDEP files Aerial photographs.
1987	Permit issued to Turbine Engine Services for re-tap of transformer. A historical survey map depicts a catch basin at the loading bay on the southeast corner of the former Kennametal building. No associated piping is detailed.	Town files Survey Map by Neriani Surveryors
1988-1990	A permit is issued to construct a metal building. A second building is constructed to the south of the existing building by 1990, and the pavement is extended around the new building.	Town files Aerial photographs
1993	Turbine Engine Services is listed as occupying the site.	City street directories
1993-1995	A permit is issued to construct a 16,500 square foot, pre-engineered addition. The addition is completed on the southern building by 1995 and the pavement is extended around the addition. It does not include the addition that eventually connects the two buildings.	Town files Aerial photographs
1995	A map of the property shows a catch basin at the loading bay on the southeast corner of the former Kennametal building. No associated piping is detailed.	Survey Map by Neriani Surveryors
2000	The site is occupied by Wood Group Turbine Engine Services	City street directories

Table 2
Summary of PCBs Detected in Concrete Floors
523 Halfway House Road
Windsor Locks, Connecticut

CONSTITUENTS			PCBs (mg/kg)		
			Aroclor 1248	Aroclor 1254	Total PCBs
Residential Direct Exposure Criteria			NA	NA	1
Site ID	Date	Depth (inches)			
Former Kennametal Building					
P1-C401	6/13/2014	0 - 0.5	<0.33	<0.33	ND
P1-C402	6/13/2014	0 - 0.5	<0.33	1.7	**1.7**
	9/23/2014	1 - 1.5[D]	<0.33/<0.33	<0.33/<0.33	ND/ND
P1-C403	6/13/2014	0 - 0.5	<0.33	1.3	**1.3**
P1-C404	6/13/2014	0 - 0.5	<0.33	<0.33	ND
P1-C405	6/13/2014	0 - 0.5	<0.33	0.58	0.58
P1-C406	6/13/2014	0 - 0.5[D]	<0.33/<0.33	<0.33/0.83	0.97/0.83
	7/17/2014	2 - 3	<0.33	<0.33	ND
P1-C406A	9/23/2014	0 - 0.5	<0.33	2.1	**2.1**
P1-C407	6/13/2014	0 - 0.5	<0.32	0.6	0.6
P1-C408	6/13/2014	0 - 0.5	<0.33	1.7	**1.7**
P1-C409	6/13/2014	0 - 0.5	<0.33	0.38	0.38
P1-C410	6/13/2014	0 - 0.5	<0.33	0.56	0.56
P1-C411	6/13/2014	0 - 0.5	<0.33*	<0.33*	0.51
P1-C412	6/13/2014	0 - 0.5	<0.33	<0.33	ND
P1-C413	6/13/2014	0 - 0.5	<0.34	<0.34	ND
P1-C414	6/13/2014	0 - 0.5	<0.33*	<0.33*	**1.1**
P1-C415	6/13/2014	0 - 0.5	<0.33	1.4	**1.4**
P1-C416	6/13/2014	0 - 0.5	<0.33*	<0.33*	**1.2**
P1-C417	6/13/2014	0 - 0.5	12	<1.7	**12**
	9/23/2014	1 - 1.5	<0.33	<0.33	ND
	7/17/2014	2 - 3	<0.33	<0.33	ND
P1-C418	6/13/2014	0 - 0.5	<0.33	0.67	0.67
P1-C419	6/13/2014	0 - 0.5	<0.33	0.73	0.73
P1-C420	6/13/2014	0 - 0.5	<1.7	<1.7	**15**
	9/23/2014	1 - 1.5	<0.33	1.8	**1.8**
	7/17/2014	2 - 3	<0.34	<0.34	ND
P1-C421	6/13/2014	0 - 0.5	<0.33	0.35	0.35

Table 2
Summary of PCBs Detected in Concrete Floors
523 Halfway House Road
Windsor Locks, Connecticut

CONSTITUENTS			PCBs (mg/kg)		
			Aroclor 1248	Aroclor 1254	Total PCBs
Residential Direct Exposure Criteria			NA	NA	1
Site ID	Date	Depth (inches)			
P1-C422	6/13/2014	0 - 0.5	140	<34	**140**
	7/17/2014	2 - 3[D]	49/55	<3.3/<17	**49/55**
P1-C423	6/13/2014	0 - 0.5	<0.33	<0.33	0.4
P1-C424	6/13/2014	0 - 0.5[D]	<0.33/<0.33	<0.33/<0.33	0.81/0.8
P1-C425	6/13/2014	0 - 0.5	<0.34	2.6	**2.6**
P1-C426	6/13/2014	0 - 0.5	<0.33*	<0.33*	0.95
P1-C426A	9/23/2014	0 - 0.5	<0.33	<0.33	ND
P1-C427	6/13/2014	0 - 0.5	<0.34*	<0.34*	0.58
P1-C428	6/13/2014	0 - 0.5	<0.33	<0.33	0.5
P1-C429	6/13/2014	0 - 0.5	<0.33*	<0.33*	1
P1-C430	6/13/2014	0 - 0.5	<0.33	0.34	0.34
P1-C431	6/13/2014	0 - 0.5	<0.33	<0.33	ND
P1-C432	6/13/2014	0 - 0.5	<0.33	0.4	0.4
P1-C433	6/13/2014	0 - 0.5	<0.34	<0.34	ND
P1-C434	6/13/2014	0 - 0.5	<3.3	8.8	**8.8**
	9/23/2014	1 - 1.5	<0.33	2.3	**2.3**
	7/17/2014	2 - 3	0.86	<0.34	0.86
P1-C435	6/13/2014	0 - 0.5	<0.33	<0.33	ND
P1-C436	6/13/2014	0 - 0.5	<0.34	<0.34	ND
P1-C437	6/13/2014	0 - 0.5	<0.33	<0.33	ND
P1-C447	7/17/2014	0 - 0.5	<0.33	<0.33	ND
P1-C448	7/17/2014	0 - 0.5	<0.33	1.3	**1.3**
P1-C449	7/17/2014	0 - 0.5	<0.33	0.85	0.85
P1-C452	9/23/2014	0 - 0.5	<0.38	<0.38	ND
P1-C453	9/23/2014	0 - 0.5	<0.33	<0.33	ND
P1-C454	9/23/2014	0 - 0.5	<0.33	1.2	**1.2**
P1-C455	9/23/2014	0 - 0.5	<0.33	1.2	**1.2**
P1-C458	10/14/2014	0 - 0.5	<0.33	0.86	0.86

Table 2
Summary of PCBs Detected in Concrete Floors
523 Halfway House Road
Windsor Locks, Connecticut

CONSTITUENTS			PCBs (mg/kg)		
			Aroclor 1248	Aroclor 1254	Total PCBs
Residential Direct Exposure Criteria			NA	NA	1
Site ID	Date	Depth (inches)			
Former Maintenance Building					
P1-C438	6/16/2014	0 - 0.5	<1.7*	<1.7*	**7.2**
	9/23/2014	1 - 1.5	<0.34	1.3	**1.3**
	7/17/2014	2 - 3	0.93	<0.34	0.93
P1-C439	6/16/2014	0 - 0.5	<0.34*	<0.34*	**2.1**
P1-C440	6/16/2014	0 - 0.5	<0.34	0.84	0.84
P1-C441	6/16/2014	0 - 0.5	<0.34	<0.34	ND
P1-C456	9/23/2014	0 - 0.5	<0.33	0.5	0.5
P1-C457	9/23/2014	0 - 0.5	<0.34	1.6	**1.6**
New Buildings (Background)					
P1-C442	6/16/2014	0 - 0.5	<0.34	<0.34	ND
P1-C443	6/16/2014	0 - 0.5	<0.33	<0.33	ND
P1-C444	6/16/2014	0 - 0.5	<0.33	<0.33	ND
P1-C445	6/16/2014	0 - 0.5[D]	<0.33/<0.33	<0.33/<0.33	ND/ND
P1-C446	6/16/2014	0 - 0.5	<0.33	<0.33	ND
P1-C450	7/17/2014	0 - 0.5	<0.33	<0.33	ND
P1-C451	7/17/2014	0 - 0.5	<0.33	<0.33	ND

Notes:
Units: ug=micrograms, mg=milligrams, kg=kilograms
Res DEC = residential direct exposure criteria
NA = not applicable
ND = not detected
< = constituent not detected at the specified laboratory reporting limit
Bold value indicates a concentration reported above baseline RSR criteria
[D]Duplicate sample collected; both primary and duplicate values are reported
*The specific Aroclor could not be determined; total PCBs were reported

Table 3
Summary of PCBs Detected in Soil - Upper Release Area
523 Halfway House Road
Windsor Locks, Connecticut

CONSTITUENTS			PCBs (mg/kg)		
			Aroclor 1248	Aroclor 1254	Total PCBs
Residential Direct Exposure Criteria			NA	NA	1
Site ID	Date	Depth (feet)			
Floor Drain Borings					
P1-201	6/10/2014	0.5 - 1	<0.34	<0.34	ND
		1 - 2	<0.33	<0.33	ND
		2 - 4	<0.34	<0.34	ND
		6 - 8	<0.33	<0.33	ND
P1-202	6/10/2014	0.5 - 1	<0.33	<0.33	ND
		1 - 2	<0.33	<0.33	ND
		2 - 4	<0.34	0.76	0.76
		6 - 8[D]	<0.33/<0.33	<0.33/<0.33	ND/ND
		8 - 10	<0.36	<0.36	ND
P1-203	6/10/2014	0.5 - 1	<0.33	<0.33	ND
		1 - 2	<0.33	<0.33	ND
		2 - 4	<0.34	<0.34	ND
		6 - 8	<0.34	<0.34	ND
		8 - 10	<0.33	<0.33	ND
P1-204	6/11/2014	0.5 - 1	<0.34	<0.34	ND
		1 - 2	<0.34	<0.34	ND
		2 - 4	<0.34	<0.34	ND
		6 - 8	<0.34	<0.34	ND
Borings Adjacent to Drainage Pipe					
P1-216	6/11/2014	6 - 7	<0.34	<0.34	ND
		7 - 9	<0.34	<0.34	ND
		9 - 10	<0.34	<0.34	ND
P1-217	6/11/2014	6 - 7	<0.35	<0.35	ND
		7 - 9	<0.35	<0.35	ND
		9 - 10	<0.34	<0.34	ND
P1-218	6/11/2014	6 - 7	<0.35	<0.35	ND
		7 - 9[D]	<0.36/<0.35	<0.36/<0.35	ND/ND
		9 - 10	<0.35	<0.35	ND
Borings Adjacent to Cocnrete Pad					
P1-233	9/22/2014	0 - 0.25	<0.33	<0.33	ND
P1-234	9/22/2014	0 - 0.25	<0.33	<0.33	ND
Other Upper Release Area Borings					
WC-08	6/16/2009	0.25 - 1	<0.34	<0.34	ND
WC-09	6/16/2009	0.25 - 1	<3600	15000	**15000**
WC-10	6/16/2009	0.25 - 1	<0.35	1.4	**1.4**
WC-11	6/16/2009	0.25 - 1	<0.35	0.6	0.6

Table 3
Summary of PCBs Detected in Soil - Upper Release Area
523 Halfway House Road
Windsor Locks, Connecticut

CONSTITUENTS			PCBs (mg/kg)		
			Aroclor 1248	Aroclor 1254	Total PCBs
Residential Direct Exposure Criteria			NA	NA	1
Site ID	Date	Depth (feet)			
P1-101	8/12/2009	0.5 - 1	<3.5*	<3.5*	**20**
		1 - 2	<0.35*	<0.35*	**2.6**
		2 - 3	<0.34	<0.34	<0.34
		3 - 5	<0.35	<0.35	ND
P1-102	8/12/2009	0.5 - 1[D]	<35/<1.7*	<35/<1.7*	**130/13**
		1 - 2	<0.35	<0.35	ND
P1-103	8/12/2009	0.5 - 1	<0.35*	<0.35*	0.68
		1 - 2	<0.35	<0.35	ND
P1-105	8/12/2009	0.5 - 1	<350*	<350*	**2500**
		1 - 2	<3.5*	<3.5*	**23**
		2 - 3	<0.34	1.6	**1.6**
		3 - 5	<17*	<17*	**68**
P1-105A	10/5/2009	3 - 5	<0.34	<0.34	ND
P1-105B	9/25/2014	2 - 3	<1.7	4.5	**4.5**
		3 - 4	<0.35	<0.35	ND
		4 - 5	<0.34	3.8	**3.8**
		5 - 6	<0.35	<0.35	ND
		6 - 7	<0.34	1.3	**1.3**
		7 - 8	<0.35	<0.35	ND
P1-107	8/12/2009	0 - 1	<0.35*	<0.35*	**3.8**
		1 - 2	<1.7*	<1.7*	**6.1**
		2 - 3[D]	<1.7/<1.8*	<1.7/<1.8*	**6.8/10**
		3 - 5	<0.35	<0.35	ND
P1-108	8/12/2009	0.5 - 1	<36*	<36*	**410**
		1 - 2	<0.35*	<0.35*	0.83
		2 - 3	<0.34	<0.34	ND
P1-111	8/12/2009	0.5 - 1	<8.3*	<8.3*	**54**
		1 - 2[D]	<0.35/<0.34*	<0.35/<0.34*	**2.6**/1
		2 - 3	<0.34	<0.34	ND
P1-112	8/12/2009	0.5 - 1	<36*	<36*	**190**
		1 - 2	<0.35*	<0.35*	0.67
P1-113	8/12/2009	0.5 - 1	<0.7*	<0.7*	**4.7**
		1 - 2	<0.34	<0.34	ND
P1-114	8/12/2009	0.5 - 1	<0.36*	<0.36*	**2.6**
		1 - 2	<1.8*	<1.8*	**7.1**
		2 - 3	<0.34	<0.34	ND
		3 - 4	<0.36	<0.36	ND
P1-117	10/2/2009	0.5 - 2	<3.5*	<3.5*	**8.3**
		2 - 4	<0.34	<0.34	ND
P1-118	10/2/2009	0.5 - 2	<0.35	<0.35	ND

Table 3
Summary of PCBs Detected in Soil - Upper Release Area
523 Halfway House Road
Windsor Locks, Connecticut

CONSTITUENTS			PCBs (mg/kg)		
			Aroclor 1248	Aroclor 1254	Total PCBs
Residential Direct Exposure Criteria			NA	NA	1
Site ID	Date	Depth (feet)			
P1-119	10/2/2009	0.5 - 2[D]	<0.35/<0.35*	<0.35/<0.35*	0.89/ND
		2 - 4	<0.34	<0.34	ND
P1-120	10/2/2009	0.5 - 2	<0.36	<0.36	ND
P1-121	10/2/2009	0.5 - 2	<0.35	<0.35	ND
P1-122	10/2/2009	0.5 - 2	<0.35	<0.35	ND
P1-123	10/2/2009	0.5 - 2	<0.36	<0.36	ND
P1-124	10/5/2009	0.4 - 0.6	<0.33	<0.33	ND
		0.7 - 2	<0.34	<0.34	ND
P1-125	10/5/2009	0.5 - 2	<0.34	<0.34	ND
P1-126	10/5/2009	0.5 - 2[D]	<0.34/<0.34*	<0.34/<0.34*	**3.6/3.4**
		2 - 4	<3.5	8.5	**8.5**
		4 - 6	<0.33	<0.33	ND
P1-127	10/5/2009	0.5 - 2	450	<350	**450**
		2 - 4	<0.34	<0.34	ND
P1-128	10/5/2009	0.5 - 2	<0.35	<0.35	ND
P1-129	10/5/2009	0.5 - 2	<0.33	<0.33	ND
P1-130	10/5/2009	0.5 - 2	<0.34*	<0.34*	**2.6**
		2 - 4	1.3	<0.34	**1.3**
		4 - 6	<0.34	<0.34	ND
P1-131	10/5/2009	0.5 - 2[D]	<0.34/<0.34	<0.34/<0.34	ND/ND
P1-132	10/5/2009	0.3 - 2	<0.34	<0.34	ND
P1-205	6/10/2014	0.5 - 1	<0.33	<0.33	ND
P1-206	6/10/2014	0.5 - 1	0.54	<0.34	0.54
P1-207	6/10/2014	0.5 - 1	<0.35	<0.35	ND
P1-208	6/10/2014	0.5 - 1	<8.4*	<8.4*	**26**
		1 - 2	<0.34	<0.34	ND
P1-209	6/10/2014	0.5 - 1[D]	<1.7/<0.35*	<1.7/<0.35*	**6.4**/0.86
		1 - 2	0.44	<0.35	0.44
P1-210	6/10/2014	0.3 - 1	<0.35	<0.35	ND
P1-211	6/10/2014	0.3 - 1	<0.36*	<0.36*	0.65
P1-212	6/10/2014	0.3 - 1[D]	0.95/0.74	<0.35/<0.35	0.95/0.74
P1-213	6/10/2014	0.3 - 1.5	0.62	<0.35	0.62
P1-214	6/10/2014	0.3 - 1	17	<3.4	**17**
		1 - 2	2.1	<0.35	**2.1**
		2 - 3	1	<0.34	1
P1-215	6/11/2014	0.5 - 1	5.8	<1.7	**5.8**
		1 - 2	0.34	<0.33	0.34

Table 3
Summary of PCBs Detected in Soil - Upper Release Area
523 Halfway House Road
Windsor Locks, Connecticut

CONSTITUENTS			PCBs (mg/kg)		
			Aroclor 1248	Aroclor 1254	Total PCBs
Residential Direct Exposure Criteria			NA	NA	1
Site ID	Date	Depth (feet)			
P1-219	7/17/2014	0.5 - 1	3.1	<0.35	**3.1**
		1 - 2	3.9	<0.34	**3.9**
		2 - 3	<0.33	<0.33	ND
		3 - 4	<0.34	<0.34	ND
P1-220	7/17/2014	0.5 - 1	2.4	<0.34	**2.4**
		1 - 2	2	<0.34	**2**
		2 - 3	<0.33	<0.33	ND
		3 - 4	<0.34	<0.34	ND
P1-221	7/17/2014	0 - 1	<0.035	0.24	0.24
P1-222	7/17/2014	0 - 1	1800	<340	**1800**
		1 - 2	<0.34	<0.34	ND
		2 - 3	<0.33	<0.33	ND
P1-223	7/17/2014	0 - 1	0.25	<0.035	0.25
P1-224	7/17/2014	0 - 1	0.1	<0.034	0.1
P1-225	8/14/2014	0.5 - 1	12	<3.5	**12**
		1 - 2	<0.35	<0.35	ND
P1-226	8/14/2014	0.5 - 1	<0.35	<0.35	ND
		1 - 2	<0.35	<0.35	ND
P1-227	8/14/2014	0.5 - 1	1.1	<0.35	**1.1**
		1 - 2	1.1	<0.35	**1.1**
		2 - 3	1.8	<0.34	**1.8**
		3 - 4	<0.34	0.72	0.72
P1-228	8/14/2014	0.5 - 1	0.78	<0.34	0.78
		1 - 2	<0.34	<0.34	ND
P1-229	9/25/2014	0.5 - 1[D]	1.1/0.99	<0.35/<0.35	**1.1**/0.99
		1 - 2	<0.34	<0.34	ND
P1-230	9/25/2014	0.5 - 1	<0.34	<0.34	ND
P1-231	9/25/2014	0.5 - 1	<0.34	0.52	0.52
P1-232	9/25/2014	0.5 - 1	<0.35	<0.35	ND
P1-235	9/25/2014	0.5 - 1	<0.34	1.1	**1.1**
		1 - 2	<0.35	0.57	0.57

Notes:
Units: ug=micrograms, mg=milligrams, kg=kilograms
Res DEC = residential direct exposure criteria
NA = not applicable
NE = no established criteria
ND = not detected
< = constituent not detected at the specified laboratory reporting limit
Bold value indicates a concentration reported above baseline RSR criteria
[D]Duplicate sample collected; both primary and duplicate values are reported
*The specific Aroclor could not be determined; total PCBs were reported

Table 4
Summary of PCBs Detected in Soil - Lower Swale Release Area
523 Halfway House Road
Windsor Locks, Connecticut

CONSTITUENTS			PCBs (mg/kg)		
			Aroclor 1248	Aroclor 1254	Total PCBs
Residential Direct Exposure Criteria			NA	NA	1
Site ID	Date	Depth (feet)			
P3-101	8/12/2009	0 - 1[D]	<4.8/<4.8	33/33	**33/33**
P3-101A	10/1/2009	0 - 2	<42	56	**56**
		2 - 4	0.53	<0.37	0.53
		4 - 6	<0.37	<0.37	ND
P3-102	8/12/2009	0 - 1	<4	38	**38**
P3-102A	10/1/2009	0 - 2	<0.37	1.7	**1.7**
		2 - 4	<0.37	<0.37	ND
P3-103	8/12/2009	0 - 1	<4.6	13	**13**
P3-104	10/1/2009	0 - 2[D]	<0.37/<0.36	<0.37/<0.36	ND/ND
P3-106	10/1/2009	0 - 2	<0.36	<0.36	ND
P3-107	10/1/2009	0 - 2	<0.36	<0.36	ND
P3-108	10/1/2009	0 - 2	<0.37	<0.37	ND
P3-109	10/1/2009	0 - 2	<0.39	<0.39	ND
P3-109A	6/12/2014	0 - 0.5[D]	<3.6/<0.52	12/4.4	**12/4.4**
		0.5 - 1	<0.46	1	1
P3-110	10/1/2009	0 - 2[D]	<0.34/<0.36	<0.34/<0.36	ND/ND
P3-111	10/1/2009	0 - 2	<0.48	0.56	0.56
		2 - 4	<0.4	<0.4	ND
P3-111A	6/12/2014	0 - 0.5	<0.21	0.27	0.27
		0.5 - 1	<0.042	<0.042	ND
P3-111B	6/12/2014	0 - 0.5	<0.053	0.061	0.061
		0.5 - 1	<0.04	<0.04	ND
P3-111C	6/12/2014	0 - 0.5	<0.05	0.075	0.075
		0.5 - 1	<0.041	0.042	0.042
P3-201	6/12/2014	0 - 0.5	<0.07	0.17	0.17
P3-202	6/12/2014	0 - 0.5	<0.079	0.22	0.22
P3-203	6/12/2014	0 - 0.5	<0.07	0.082	0.082
P3-204	6/12/2014	0 - 0.5	<0.036	0.042	0.042
P3-205	7/17/2014	1.5 - 2	<0.035	0.045	0.045
P3-206	7/17/2014	0 - 0.5[D]	<0.41/<0.52	1.9/1.6	**1.9/1.6**
		0.5 - 1	<0.22	1.1	**1.1**

Table 4
Summary of PCBs Detected in Soil - Lower Swale Release Area
523 Halfway House Road
Windsor Locks, Connecticut

CONSTITUENTS			PCBs (mg/kg)		
			Aroclor 1248	Aroclor 1254	Total PCBs
Residential Direct Exposure Criteria			NA	NA	1
Site ID	Date	Depth (feet)			
Concrete Pipes					
P3-C401	6/11/2014	0 - 0.02	<0.39	<0.39	ND
P3-C402	9/23/2014	0 - 0.08	<0.37	2.2	**2.2**

Notes:
Units: ug=micrograms, mg=milligrams, kg=kilograms
Res DEC = residential direct exposure criteria
NA = not applicable
NE = no established criteria
ND = not detected
< = constituent not detected at the specified laboratory reporting limit
Bold value indicates a concentration reported above baseline RSR criteria
[D]Duplicate sample collected; both primary and duplicate values are reported
*The specific Aroclor could not be determined; total PCBs were reported

Table 5
Summary of PCBs Detected in Soil - Upper Swale Release Area
523 Halfway House Road
Windsor Locks, Connecticut

CONSTITUENTS			PCBs (mg/kg)		
			Aroclor 1248	Aroclor 1254	Total PCBs
Residential Direct Exposure Criteria			NA	NA	1
Site ID	Date	Depth (feet)			
P3-105	10/1/2009	0 - 2	<4	5.3	**5.3**
		2 - 4	<0.34	<0.34	ND
P3-105A	6/12/2014	0 - 0.5	<0.19	0.26	0.26
P3-105B	6/12/2014	0 - 0.5	<0.36	2.9	**2.9**
		1 - 2	<0.37	1.7	**1.7**
		2 - 3	<0.35	<0.35	ND
P3-105C	6/12/2014	0 - 0.5	<0.37	0.5	0.5
		1 - 2	<0.071	0.11	0.11
P3-105D	6/12/2014	0 - 0.5[D]	<0.39/<0.38	4.7/2.7	**4.7/2.7**
		1 - 2	<0.035	<0.035	ND
P3-105E	7/17/2014	0 - 0.5	<4.7	20	**20**
		1 - 2	<0.087	0.14	0.14
P3-105F	7/17/2014	0 - 0.5[D]	<0.06/<0.036	<0.06/<0.036	ND/ND
P3-105G	7/17/2014	0 - 0.5	<0.04	0.27	0.27
P3-105H	7/17/2014	0 - 0.5	<0.18	0.51	0.51
P3-105I	7/17/2014	0.3 - 0.8	<0.37	2.3	**2.3**
		1 - 2	<0.17	0.63	0.63
P3-105J	8/14/2014	0 - 0.5	<0.072	0.82	0.82
		1 - 2	<0.34	0.99	0.99
P3-105K	8/14/2014	0 - 0.5	<4	16	**16**
		1 - 2	<0.074	0.33	0.33
P3-105L	8/14/2014	0 - 0.5[D]	<0.71/<0.72	1/1.4	**1/1.4**
		1 - 2	<0.036	<0.036	ND
P3-105M	8/14/2014	0 - 0.5	<0.46	1.4	**1.4**
P3-105N	8/14/2014	0 - 0.5	<0.37	<0.37	ND
P3-301	9/22/2014	0 - 0.5	<0.035	0.31	0.31
P3-302	9/22/2014	0 - 0.5	<0.036	0.067	0.067
P3-303	9/22/2014	0 - 0.5	<0.034	<0.034	ND
P3-304	9/22/2014	0 - 0.5	<3.6	13	**13**
		0.5 - 0.75	<0.17	0.71	0.71
		0.75 - 1	<0.36	1.9	**1.9**
P3-305	9/22/2014	0 - 0.5[D]	<0.37/<0.38	2.2/2.7	**2.2/2.7**
		0.5 - 1	<0.19	0.78	0.78
P3-306	9/22/2014	0 - 1	<0.094	0.12	0.12
P3-307	9/22/2014	0 - 0.5	<0.037	0.2	0.2

Table 5
Summary of PCBs Detected in Soil - Upper Swale Release Area
523 Halfway House Road
Windsor Locks, Connecticut

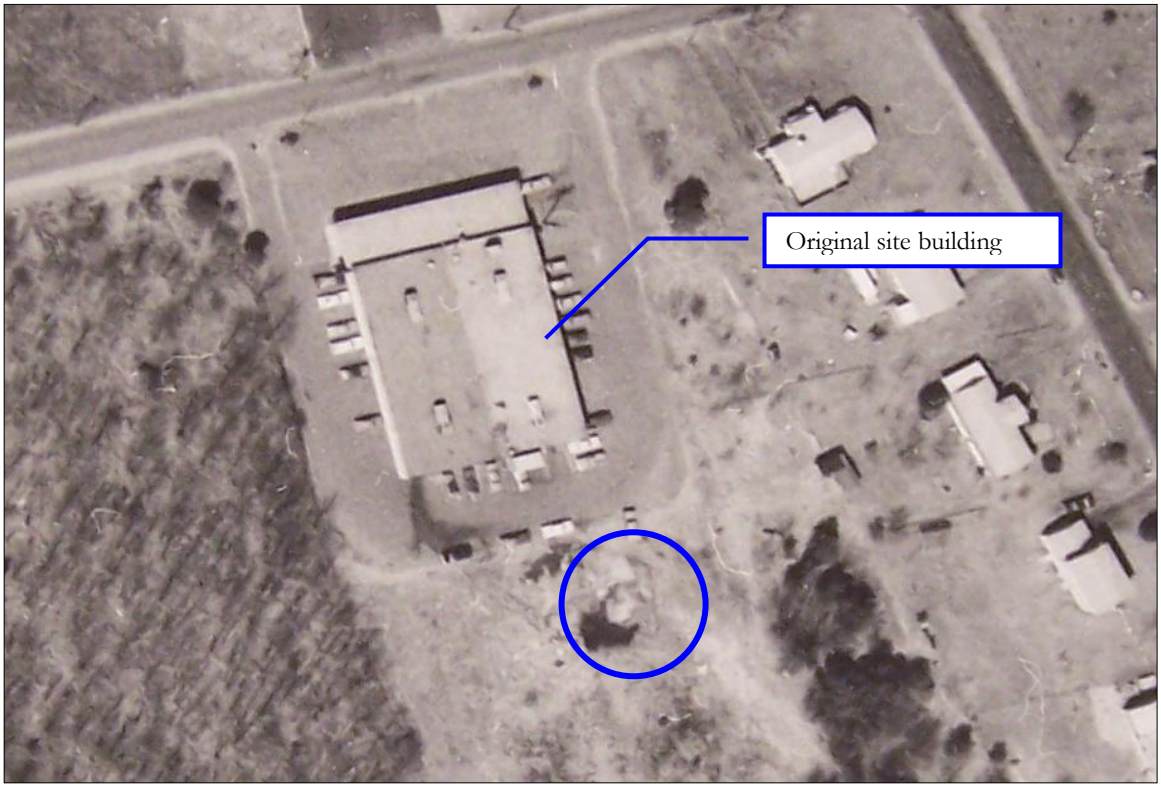
CONSTITUENTS			PCBs (mg/kg)		
			Aroclor 1248	Aroclor 1254	Total PCBs
Residential Direct Exposure Criteria			NA	NA	1
Site ID	Date	Depth (feet)			
P3-308	9/22/2014	0 - 0.5	<1.7	5.5	**5.5**
		0.5 - 0.75	<1.9	22	**22**
		0.75 - 1	<1.7	9.1	**9.1**
	11/11/2014	1 - 1.5	1.7	<0.35	**1.7**
		2 - 3	<0.35	<0.35	ND
P3-309	9/22/2014	0 - 0.5	<1.7	22	**22**
		0.5 - 0.75	<1.7	9.1	**9.1**
		0.75 - 1	<1.8	24	**24**
	11/11/2014	1 - 1.5	2.6	<0.35	**2.6**
		2 - 4	<0.034	<0.034	ND
P3-310	9/22/2014	0 - 0.5	<1.9	5.4	**5.4**
		0.5 - 0.75	<0.18	1.8	**1.8**
		0.75 - 1	<0.35	1.4	**1.4**
P3-311	9/22/2014	0 - 0.5	<3.5	33	**33**
		0.5 - 1	<3.4	35	**35**
	11/11/2014	1 - 1.5[D]	99/<18	<18/75	**99**
		2 - 3	<36	310	**310**
		3 - 5	<0.034	<0.034	ND
P3-312	9/22/2014	0 - 0.5	<0.034	0.047	0.047
P3-313	9/22/2014	0 - 0.5	<0.34	<0.34	ND
P3-314	9/22/2014	0 - 0.5	<0.35	<0.35	ND
P3-315	10/14/2014	0 - 0.5	<0.35	<0.35	ND
		0.5 - 1	<0.35	<0.35	ND
P3-316	10/14/2014	0 - 0.5	<0.42	<0.42	ND
		0.5 - 1	<0.43	<0.43	ND
P3-317	10/14/2014	0 - 0.5	<0.37	<0.37	ND
		0.5 - 1	<0.34	<0.34	ND
P3-318	10/14/2014	0 - 0.5	<0.36	0.96	0.96
		0.5 - 1	<0.35	0.94	0.94
		1 - 1.5	<0.35	<0.35	ND
P3-319	10/14/2014	0 - 0.5	<0.35	0.88	0.88
		0.5 - 1	<0.34	<0.34	ND

Notes:
Units: ug=micrograms, mg=milligrams, kg=kilograms
Res DEC = residential direct exposure criteria
NA = not applicable
NE = no established criteria
ND = not detected
< = constituent not detected at the specified laboratory reporting limit
Bold value indicates a concentration reported above baseline RSR criteria
[D]Duplicate sample collected; both primary and duplicate values are reported
*The specific Aroclor could not be determined; total PCBs were reported

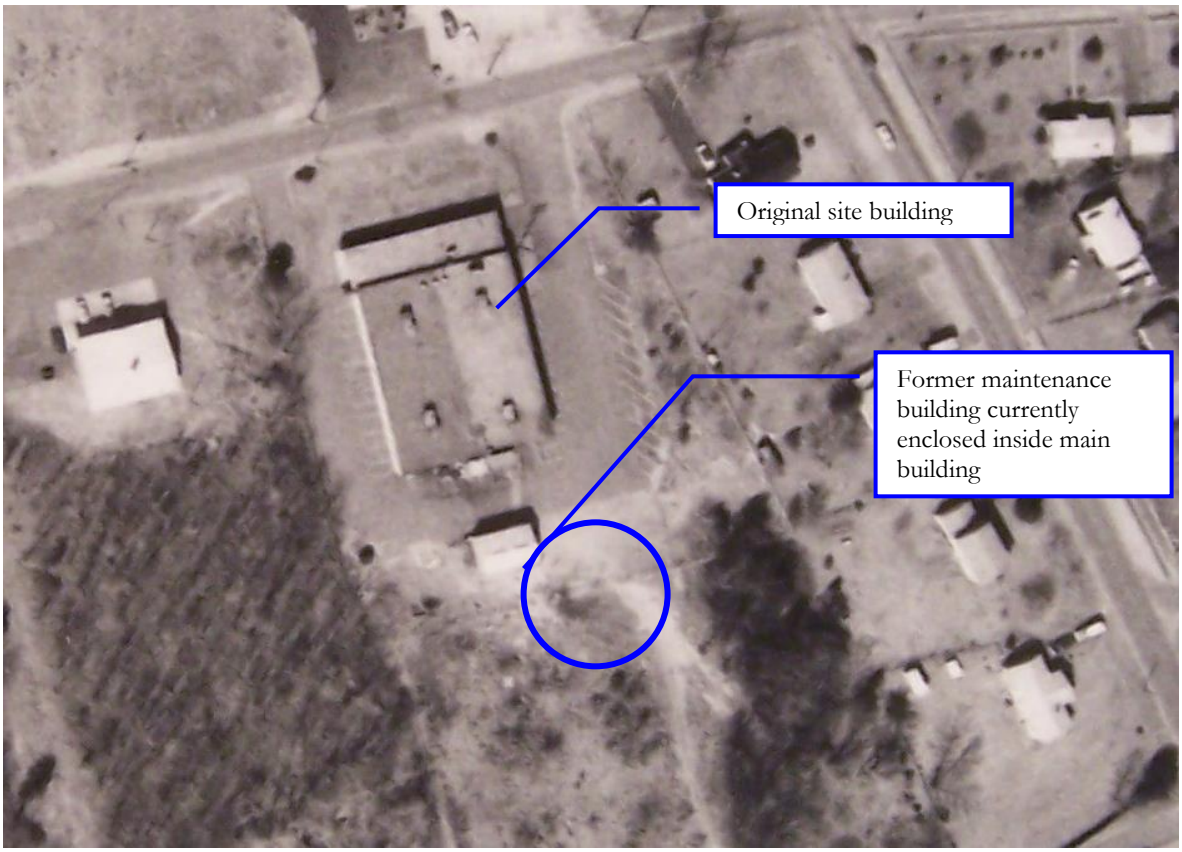
FUSS & O'NEILL

Attachment A

1970 and 1975
Aerial Photographs



1970 Aerial Photograph – Suspected PCB source area highlighted



1975 Aerial Photograph – Suspected PCB source area highlighted

FUSS & O'NEILL

Attachment B

Boring Logs

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-101 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 08/12/09 - 08/12/09
Total Depth: 5.00'
Remarks: Field Instrument: OVM MiniRAE #1
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Contractor: Fuss & O'Neill
Drilling Method: Geopropbe

Driller: D. Levesque
Borehole Dia.: 2.00in

Back Fill:

type	fm	to
Asphalt	0.00'	0.50'
Native Material	0.50'	5.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	OVM
0		N/A		0-0.25': ASPHALT.		AS	
		-01		0.25-0.5': STONE, process. 0.5-1.0': SAND, C-M, dark yellowish brown (10YR 4/4), dry. Loose. No odor.		K1	0 ppm
		-02		Same as above, yellowish brown (10YR 5/4).			0 ppm
-2	2	-03		Some as above.			0 ppm
		-04		Some as above.		SP	0 ppm
-4	4						
				End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-102 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 08/12/09 - 08/12/09
Total Depth: 5.00'
Remarks: Field Instrument: OVM MiniRAE #1
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe

Driller: D. Levesque
Borehole Dia.: 2.00in

Back Fill:

type: Asphalt	fm: 0.00'	to: 0.50'
type: Native Material	fm: 0.50'	to: 5.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	OVM
		N/A		0-0.25': ASPHALT.		AS	
		-05, -06		0.25-0.5': STONE, process.		K1	0 ppm
		-07		0.5-1.0': SAND, C-M, dark yellowish brown (10YR 4/4), dry. Loose. No odor.			0 ppm
				Same as above, yellowish brown (10YR 5/4).			
-2	2	-08		Same as above.			0 ppm
		-09		Same as above.		SP	0 ppm
-4	4						
				End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-103 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 08/12/09 - 08/12/09
Total Depth: 5.00'
Remarks: Field Instrument: OCM MiniRAE #1
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe
Driller: D. Levesque
Borehole Dia.: 2.00in

Back Fill:

type: Asphalt	fm: 0.00'	to: 0.50'
type: Native Material	fm: 0.50'	to: 5.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	OVM
		N/A		0-0.25': ASPHALT.		AS	
		-10		0.25-0.5': STONE, process.		K1	0 ppm
		-11		0.5-1.0':SAND, C-M; little C-F gravel; dark yellowish brown (10YR 3/4), dry. Loose. No odor.			0 ppm
-2	2	-12		Some as above.			
				SAND, C-M, yellowish brown (10YR 5/4), dry. Loose. No odor.			0 ppm
		-13				SP	
				Some as above.			0 ppm
-4	4						
				End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-104 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 08/12/09 – 08/12/09
Total Depth: 5.00'
Remarks: Field Instrument: OVM MiniRAE #1
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe
Driller: D. Levesque
Borehole Dia.: 2.00in

Back Fill:

type: Asphalt	fm: 0.00'	to: 0.50'
type: Native Material	fm: 0.50'	to: 5.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	OVM
		N/A		0-0.25': ASPHALT.		AS	
		-14		0.25-0.5': STONE, process.		K1	0 ppm
		-15		0.5-1.0': SAND, C-M, dark yellowish brown (10YR 3/4), dry. Loose. No odor.			0 ppm
				Same as above, dark yellowish brown (10YR 3/4).			
-2	2	-16		Some as above, yellowish brown (10YR 5/4).			0 ppm
		-17		Some as above, yellowish brown (10YR 5/4).		SP	0 ppm
-4	4						
				End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KL ✓

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-105 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location: Former WC-09
Description: Soil Boring
Date(s): 08/12/09 – 08/12/09
Total Depth: 5.00'
Remarks: Field Instrument: OVM MiniRAE #1
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Contractor: Fuss & O'Neill
Drilling Method: Geopropbe
Back Fill:
type: Asphalt fm: 0.00' to: 0.50'
type: Native Material fm: 0.50' to: 5.00'
type: fm: to:
type: fm: to:
type: fm: to:

Driller: D. Levesque
Borehole Dia.: 2.00in

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	OVM
		N/A		0-0.25': ASPHALT.		AS	
		-18		0.25-0.5': STONE, process.		K1	0 ppm
		-19		0.5-1.0': SAND, C-M; little C-F gravel; trace grayish white pasty sand; dark yellowish brown (10YR 3/4), dry. Loose. No odor. SAND, C-M; little C-F gravel; dark yellowish brown (10YR 3/4), dry. Loose. No odor.			0 ppm
-2	2	-20		SAND, C-M, yellowish brown (10YR 5/4), dry. Loose. No odor.			0 ppm
		-21		Some as above, yellowish brown (10YR 5/4).		SP	0 ppm
-4	4						
				End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-106 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 08/12/09 - 08/12/09
Total Depth: 5.00'
Remarks: Field Instrument: OVM MiniRAE #1
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe
Back Fill:
type: Asphalt fm: 0.00' to: 0.50'
type: Native Material fm: 0.50' to: 5.00'
type: fm: to:
type: fm: to:
type: fm: to:

Driller: D. Levesque
Borehole Dia.: 2.00in

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	OVM
0		N/A		0-0.25': ASPHALT.		AS	
		-22		0.25-0.5': STONE, process.		K1	0 ppm
		-23		0.5-1.0': SAND, M; some C-F gravel; dark brown (10YR 3/3), dry. Loose. No odor.			0 ppm
-2	2	-24		SAND, C-M; little C-F gravel; dark yellowish brown (10YR 3/4), dry. Loose. No odor.			0 ppm
		-25		SAND, C-M, yellowish brown (10YR 5/4), dry. Loose. No odor.		SP	0 ppm
-4	4			Some as above.			
				End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-107 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 08/12/09 - 08/12/09
Total Depth: 5.00'
Remarks: Field Instrument: OVM MiniRAE #1
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe
Back Fill:
type: Native Material fm: 0.00' to: 5.00'
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Driller: D. Levesque
Borehole Dia.: 2.00in

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	OVM
0		-26		0-0.25': Topsoil and roots. 0.25-1.0': SAND, M, dark brown (10YR 3/3), dry. Loose. No odor.		TS	0 ppm
		-27		SAND, M; some C-F gravel; dark brown (10YR 3/3), dry. Loose. No odor.			0 ppm
-2	2	-28, -29		SAND, C-M; trace C-F gravel; dark yellowish brown (10YR 3/4), dry. Loose. No odor.			0 ppm
		-30		SAND, C-M, yellowish brown (10YR 5/4), dry. Loose. No odor.		SP	0 ppm
-4	4						
				End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: RLU

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-108 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 08/12/09 - 08/12/09
Total Depth: 5.00'
Remarks: Field Instrument: OVM MiniRAE #1
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe
Back Fill:
type: Asphalt fm: 0.00' to: 0.50'
type: Native Material fm: 0.50' to: 5.00'
type: fm: to:
type: fm: to:
type: fm: to:

Driller: O. Levesque
Borehole Dia.: 2.00in

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	OVM
0		N/A		0-0.25': ASPHALT.		AS	
		-31		0.25-0.5': STONE, process.		K1	0 ppm
				0.5-1.0': SAND, M, dark brown (10YR 3/3), dry. Loose. No odor.			
		-32		SAND, C-M, dark yellowish brown (10YR 3/4), dry. Loose. No odor.			0 ppm
-2	2	-33		Same as above, yellowish brown (10YR 5/4).			0 ppm
		-34		Same as above, yellowish brown (10YR 5/4).		SP	0 ppm
-4	4						
				End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-109 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 145 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 08/12/09 - 08/12/09
Total Depth: 5.00'
Remarks: Field Instrument: OVM MiniRAE #1
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe
Driller: D. Levesque
Borehole Dia.: 2.00in

Back Fill:

type: Asphalt	fm: 0.00'	to: 0.50'
type: Native Material	fm: 0.50'	to: 5.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	OVM
		N/A		0-0.25': ASPHALT.		AS	
		-35		0.25-0.5': STONE, process.		K1	0 ppm
		-36		0.5-1.0': SAND, M; some C-F gravel; very dark grayish brown (10YR 3/2), dry. Loose. No odor.			0 ppm
				SAND, C-M; little C-F gravel; dark yellowish brown (10YR 3/4), dry. Loose. No odor.			
-2	2	-37		SAND, C-M, yellowish brown (10YR 5/4), dry. Loose. No odor.			0 ppm
		-38		Some as above, yellowish brown (10YR 5/4).		SP	0 ppm
-4	4						
				End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-110 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 08/12/09 - 08/12/09
Total Depth: 5.00'
Remarks: Field Instrument: OVM MiniRAE #1
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe
Driller: D. Levesque
Borehole Dia.: 2.00in

Back Fill:

type: Asphalt	fm: 0.00'	to: 0.50'
type: Native Material	fm: 0.50'	to: 5.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	OVM
0		N/A		0-0.25': ASPHALT.		AS	
		-39		0.25-0.5': STONE, process.		K1	0 ppm
		-40		0.5-1.0': SAND, M; little C-F gravel; very dark grayish brown (10YR 3/2), dry. Loose. No odor.			0 ppm
				SAND, C-M; trace C-F gravel; dark yellowish brown (10YR 3/4), dry. Loose. No odor.			
-2	2	-41		Some as above, dark yellowish brown (10YR 3/4).			0 ppm
		-42				SP	
				SAND, C-M, yellowish brown (10YR 5/4), dry. Loose. No odor.			0 ppm
-4	4						
				End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLW

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-111 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 08/12/09 - 08/12/09
Total Depth: 5.00'
Remarks: Field Instrument: OVM MiniRAE #1
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe
Driller: D. Levesque
Borehole Dia.: 2.00in

Back Fill:
type: Asphalt fm: 0.00' to: 0.50'
type: Native Material fm: 0.50' to: 5.00'
type: fm: to:
type: fm: to:
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	OVM
0		N/A		0-0.25': ASPHALT.		AS	
		-43		0.25-0.5': STONE, process.		K1	0 ppm
		-44, -45		0.5-1.0': SAND, M; little C-F gravel; dark brown (10YR 3/3), dry. Loose. No odor.			0 ppm
				SAND, C-M; trace C-F gravel; dark yellowish brown (10YR 3/4), dry. Loose. No odor.			
-2	2	-46		Some as above, dark yellowish brown (10YR 3/4).			0 ppm
		-47				SP	
				SAND, C-M, yellowish brown (10YR 5/4), dry. Loose. No odor.			0 ppm
-4	4						
				End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-112 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 08/12/09 - 08/12/09
Total Depth: 5.00'
Remarks: Field Instrument: OVM MiniRAE #1
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe
Back Fill:
type: Asphalt fm: 0.00' to: 0.50'
type: Native Material fm: 0.50' to: 5.00'
type: fm: to:
type: fm: to:
type: fm: to:

Driller: D. Levesque
Borehole Dia.: 2.00in

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	OVM
		N/A		0-0.25': ASPHALT.		AS	
		-48		0.25-0.5': STONE, process.		K1	0 ppm
		-49		0.5-1.0': SAND, M; little C-F gravel; dark brown (10YR 3/3), dry. Loose. No odor.			0 ppm
-2	2	-50		SAND, C-M; trace C-F gravel; dark yellowish brown (10YR 3/4), dry. Loose. No odor.			0 ppm
		-51		Same as above, dark yellowish brown (10YR 3/4).		SP	0 ppm
-4	4			SAND, C-M, yellowish brown (10YR 5/4), dry. Loose. No odor.			-
				End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KW

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-113 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 08/12/09 - 08/12/09
Total Depth: 4.00'
Remarks: Field Instrument: OVM MiniRAE #1
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Contractor: Fuss & O'Neill
Drilling Method: Hand Geoprobe

Driller: D. Levesque
Borehole Dia.: 1.25in

Back Fill:

type: Asphalt	fm: 0.00'	to: 0.50'
type: Native Material	fm: 0.50'	to: 4.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	OVM
0		N/A		0-0.25': ASPHALT.		AS	
		-60		0.25-0.5': STONE, process.		K1	0 ppm
				0.5-1.0': SAND, M; little C-F gravel; dark brown (10YR 3/3), dry. Loose. No odor.			
		-61		SAND, C-M; trace C-F gravel; dark yellowish brown (10YR 3/4), dry. Loose. No odor.			0 ppm
-2	2	-62		Same as above, dark yellowish brown (10YR 3/4).		SP	0 ppm
		-63		SAND, C-M, yellowish brown (10YR 5/4), dry. Loose. No odor.			0 ppm
-4	4			End of boring at 4.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: AKW

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-114 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 08/12/09 - 08/12/09
Total Depth: 4.00'
Remarks: Field Instrument: OVM MiniRARE #1
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Contractor: Fuss & O'Neill
Drilling Method: Hand Geoprobe
Driller: D. Levesque
Borehole Dia.: 1.25in

Back Fill:

type: Asphalt	fm: 0.00'	to: 0.50'
type: Native Material	fm: 0.50'	to: 4.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	OVM
0		N/A		0-0.25': ASPHALT.		AS	
		-64		0.25-0.5': STONE, process.		K1	0 ppm
				0.5-1.0': SAND, M; little C-F gravel; dark brown (10YR 3/3), dry. Loose. No odor.			
		-65		SAND, C-M; trace C-F gravel; dark yellowish brown (10YR 3/4), dry. Loose. No odor.			0 ppm
-2	2	-66		SAND, C-M, yellowish brown (10YR 5/4), dry. Loose. No odor.		SP	0 ppm
		-67		Some as above.			0 ppm
-4	4			End of boring at 4.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: [illegible]

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-115 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 08/12/09 - 08/12/09
Total Depth: 5.00'
Remarks: Field Instrument: OVM MiniRAE #1
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Contractor: Fuss & O'Neill
Drilling Method: Geopropbe
Driller: D. Levesque
Borehole Dia.: 2.00in

Back Fill:

type: Asphalt	fm: 0.00'	to: 0.50'
type: Native Material	fm: 0.50'	to: 5.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	OVM
		N/A		0-0.25': ASPHALT.		AS	
		-52		0.25-0.5': STONE, process.		Kt	
		-53		0.5-1.0': SAND, M; little C-F gravel; dark brown (10YR 3/3), dry. Loose. No odor.			0 ppm
				SAND, M; trace C-F gravel; dark yellowish brown (10YR 3/4), dry. Loose. No odor.			0 ppm
-2	2	-54		Same as above.			0 ppm
		-55		SAND, C-M; trace C-F gravel; yellowish brown (10YR 5/4), dry. Loose. No odor.		SP	0 ppm
-4	4						
				End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KL

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-116 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 08/12/09 – 08/12/09
Total Depth: 5.00'
Remarks: Field Instrument: OVM MiniRAE #1
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe
Back Fill:
type: Asphalt fm: 0.00' to: 0.50'
type: Native Material fm: 0.50' to: 5.00'
type: fm: to:
type: fm: to:
type: fm: to:

Driller: D. Levesque
Borehole Dia.: 2.00in

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	OVM
		N/A		0-0.25': ASPHALT.		AS	
		-56		0.25-0.5': STONE, process.		K1	0 ppm
		-57		0.5-1.0': SAND, M; little C-F gravel; dark brown (10YR 3/3), dry. Loose. No odor.			0 ppm
				Some as above.			
-2	2	-58		Some as above.			0 ppm
		-59		SAND, C-M, yellowish brown (10YR 5/4), dry. Loose. No odor.		SP	0 ppm
-4	4						
				End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: BLC

Attachment B

Laboratory Reports

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-105A Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:	Datum:	Logged By: M. Wujcik	Driller: D. Levesque
Description: Soil Boring	Ground Elevation: 0.00'	Contractor: Fuss & O'Neill	Borehole Dia.: 2.00in
Date(s): 10/05/09 – 10/05/09	Coordinate X: 0.00	Drilling Method: Hollow Stem Auger	
Total Depth: 7.00'	Coordinate Y: 0.00	Back Fill:	
Remarks: Field Instrument: None No refusal.		type: Asphalt fm: 0.00' to: 0.50' type: Native Material fm: 0.50' to: 7.00' type: fm: to: type: fm: to: type: fm: to:	

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0–0.5': CONCRETE. 0.5–3.0': SAND, M; some F gravel; little C sand; dark brown (10YR 3/3) to 1.5 feet, then dark yellowish brown (10YR 4/6), dry. Loose. No odor. 3.0–5.0': SAND, C–M; some F gravel; brown (10YR 4/3), dry. Loose. No odor.		AS	
-2	2						
		-84					
-4	4					SP	
		-85		Same as above, light yellowish brown (10YR 6/4)..			
-6	6						
				End of boring at 7.0 feet.			
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-117 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 10/02/09 – 10/02/09
Total Depth: 6.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 2.00in
Drilling Method: Hand Geoprobe

Back Fill:

type: Asphalt	fm: 0.00'	to: 0.50'
type: Native Material	fm: 0.50'	to: 6.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A -35		0–0.5': Asphalt and stone process. 0.25–2.0': SAND, M; little F gravel; strong brown (7.5YR 4/6), dry. Loose. No odor. 2.0–4.0': SAND, C–M; some F gravel; little F sand; brown (10YR 5/3), dry. Loose. No odor.		AS K1	
-2	2	-36					
-4	4	-37		Same as above.		SP	
-6	6			End of boring at 6.0 feet.			
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-118 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:	Datum:	Logged By: M. Wujcik	Driller: D. Levesque
Description: Soil Boring	Ground Elevation: 0.00'	Contractor: Fuss & O'Neill	Borehole Dia.: 2.00in
Date(s): 10/02/09 – 10/02/09	Coordinate X: 0.00	Drilling Method: Hand Geoprobe	
Total Depth: 6.00'	Coordinate Y: 0.00	Back Fill:	
Remarks: Field Instrument: None No refusal.		type: Asphalt fm: 0.00' to: 0.50' type: Native Material fm: 0.50' to: 6.00' type: fm: to: type: fm: to: type: fm: to:	

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0–0.5': Asphalt and stone process.		AS	
		-38		0.5–4.0': SAND, C–M; little F gravel and F sand; brown (7.5YR 4/3), dry. Loose. No odor.		K1	
-2	2	-39					
						SP	
-4	4	-40		Same as above.			
-6	6			End of boring at 6.0 feet.			
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-119 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 10/02/09 – 10/02/09
Total Depth: 6.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 2.00in
Drilling Method: Hand Geoprobe
Back Fill:

type: Asphalt	fm: 0.00'	to: 0.50'
type: Native Material	fm: 0.50'	to: 6.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A -41, -42		0-0.5': Asphalt and stone process. 0.5-2.0': SAND, M; little F gravel; strong brown (7.5YR 4/6), dry. Loose. No odor. 2.0-4.0': SAND, C-M; some F gravel; little F sand; brown (7.5YR 4/3), dry. Loose. No odor.		AS K1	
-2	2	-43					
-4	4	-44		Same as above.		SP	
-6	6			End of boring at 6.0 feet.			
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1–120 Project Number: 2005–1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 10/02/09 – 10/02/09
Total Depth: 6.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 2.00in
Drilling Method: Hand Geoprobe

Back Fill:

type: Asphalt	fm: 0.00'	to: 0.50'
type: Native Material	fm: 0.50'	to: 6.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A -45		0–0.5': Asphalt and stone process. 0.5–2.0': SAND, M–F; trace F gravel; dark brown (7.5YR 3/2), moist. Loose. No odor. 2.0–4.0': SAND, C–M; little F gravel and F sand; brown (7.5YR 4/3), dry. Loose. No odor.		AS K1	
-2	2	-46					
-4	4	-47		Same as above.		SP	
-6	6			End of boring at 6.0 feet.			
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-121 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 10/02/09 – 10/02/09
Total Depth: 6.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 2.00in
Drilling Method: Hand Geoprobe
Back Fill:

type: Asphalt	fm: 0.00'	to: 0.50'
type: Native Material	fm: 0.50'	to: 6.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A -48		0–0.5': Asphalt and stone process. 0.5–2.0': SAND, M; little F gravel; brown (7.5YR 4/4), dry. Loose. No odor. 2.0–4.0': SAND, C–M; some F gravel; little F sand; brown (7.5YR 5/3), dry. Loose. No odor.		AS K1	
-2	2	-49					
-4	4	-50		Some as above.		SP	
-6	6			End of boring at 6.0 feet.			
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-122 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 10/02/09 – 10/02/09
Total Depth: 6.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 2.00in
Drilling Method: Hand Geoprobe

Back Fill:

type: Asphalt	fm: 0.00'	to: 0.50'
type: Native Material	fm: 0.50'	to: 6.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0–0.5': Asphalt and stone process.		AS	
		-51		0.5–2.0': SAND, M–F; little F gravel; dark brown (7.5YR 3/2), moist. Loose. No odor.		K1	
				2.0–4.0': SAND, C–M; some F gravel; little F sand; brown (7.5YR 4/3), dry. Loose. No odor.			
-2	2	-52					
						SP	
-4	4	-53		Same as above.			
-6	6			End of boring at 6.0 feet.			
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-123 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 10/02/09 – 10/02/09
Total Depth: 6.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 2.00in
Drilling Method: Hand Geoprobe
Back Fill:

type: Asphalt	fm: 0.00'	to: 0.50'
type: Native Material	fm: 0.50'	to: 6.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0–0.5': Asphalt and stone process.		AS	
		-54		0.5–2.0': SAND, M; little F gravel; strong brown (7.5YR 4/6), dry. Loose. No odor.		K1	
				2.0–4.0': SAND, M; little F gravel; brown (10YR 4/3), dry. Loose. No odor.			
-2	2	-55					
						SP	
-4	4	-56		SAND, C–M; some F gravel; little F sand; brown (7.5YR 4/3), dry. Loose. No odor.			
-6	6			End of boring at 6.0 feet.			
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1–124 Project Number: 2005–1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 10/05/09 – 10/05/09
Total Depth: 4.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Contractor: Fuss & O'Neill
Driller: D. Levesque
Borehole Dia.: 1.25in
Drilling Method: Concrete Corer/Shovel/Hand Geoprobe

Back Fill:

type: Concrete	fm: 0.00'	to: 0.40'
type: Native Material	fm: 0.40'	to: 4.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A –58 N/A –59		0–0.4': CONCRETE. 0.4–0.6': SAND, M; some F gravel; dark brown (7.5YR 3/3), dry. Loose. No odor. (Fill). 0.6–0.7': CONCRETE. 0.7–2.0': SAND, M; some F gravel; little C sand; brown (10YR 5/3), dry. Loose. No odor.		CR FL CR	
–2	2	–60		Same as above, dark yellowish brown (10YR 4/4).		SP	
–4	4			End of boring at 4.0 feet.			
–6	6						
–8	8						
–10	10						
–12	12						
–14	14						
–16	16						
–18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1–125 Project Number: 2005–1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 10/05/09 – 10/05/09
Total Depth: 6.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 2.00in
Drilling Method: Hand Geoprobe
Back Fill:

type: Concrete	fm: 0.00'	to: 0.40'
type: Native Material	fm: 0.40'	to: 6.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A -61		0–0.5': CONCRETE. 0.5–4.0': SAND, M; some F gravel and C sand; brown (10YR 4/3) to 2.5 feet, then dark yellowish brown (10YR 4/6), dry. Loose. No odor.		CR	
-2	2	-62					
						SP	
-4	4	-63		Same as above, light yellowish brown (10YR 6/4).			
-6	6			End of boring at 6.0 feet.			
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1–126 Project Number: 2005–1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 10/05/09 – 10/05/09
Total Depth: 6.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Contractor: Fuss & O'Neill
Drilling Method: Hand Geoprobe
Driller: D. Levesque
Borehole Dia.: 2.00in

Back Fill:

type: Concrete	fm: 0.00'	to: 0.50'
type: Native Material	fm: 0.50'	to: 6.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A -64, -65		0–0.5': CONCRETE. 0.5–4.0': SAND, M; little F gravel; and C sand; dark brown (10YR 3/3) to 2.0 feet, then brown (10YR 4/3), dry. Loose. No odor.		CR	
-2	2	-66					
						SP	
-4	4	-67		SAND, M–F; little F gravel; light yellowish brown (10YR 6/4), dry. Loose. No odor.			
-6	6			End of boring at 6.0 feet.			
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1–127 Project Number: 2005–1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 10/05/09 – 10/05/09
Total Depth: 6.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 2.00in
Drilling Method: Hand Geoprobe

Back Fill:

type: Concrete	fm: 0.00'	to: 0.50'
type: Native Material	fm: 0.50'	ta: 6.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0–0.5': CONCRETE.		CR	
		-68		0.5–1.5': SAND, M; little F gravel and C sand; dark brown (10YR 3/3), dry. Loose. No odor.			
				1.5–4.0': SAND M; little F gravel and C sand; dark yellowish brown (10YR 4/6), dry. Loose. No odor.			
-2	2	-69					
						SP	
-4	4	-70		SAND, M; some C sand; little F gravel; light yellowish brown (10YR 6/4), dry. No odor.			
-6	6			End of boring at 6.0 feet.			
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-128 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 10/05/09 – 10/05/09
Total Depth: 6.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Driller: O. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 2.00in
Drilling Method: Hand Geoprobe

Back Fill:

type: Concrete	fm: 0.00'	to: 0.50'
type: Native Material	fm: 0.50'	to: 6.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0–0.5': CONCRETE.		CR	
		-71		0.5–2.0': SAND, M; little F gravel and C sand; dark brown (10YR 3/3). Loose. No odor.			
				2.0–4.0': SAND, M; little F gravel and C sand; dark yellowish brown (10YR 4/6). Loose. No odor.			
-2	2	-72					
						SP	
-4	4	-73		SAND, M; some C sand; little F gravel; light yellowish brown (10YR 6/4), dry. No odor.			
-6	6			End of boring at 6.0 feet.			
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1–129 Project Number: 2005–1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:	Datum:	Logged By: M. Wujcik	Driller: D. Levesque
Description: Soil Boring	Ground Elevatian: 0.00'	Contractor: Fuss & O'Neill	Borehole Dia.: 2.00in
Date(s): 10/05/09 – 10/05/09	Coordinate X: 0.00	Drilling Method: Hand Geoprobe	
Total Depth: 6.00'	Coordinate Y: 0.00	Back Fill:	
Remarks: Field Instrument: None No refusal.		type: Concrete fm: 0.00' to: 0.50' type: Native Material fm: 0.50' to: 6.00' type: fm: to: type: fm: to: type: fm: to:	

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A -74		0–0.5': CONCRETE. 0.5–2.0': SAND, M; little F gravel and C sand; dark brown (10YR 3/3) to 1.5 feet, then dark yellowish brown (10YR 4/6) to 2.0 feet, then light yellowish brown (10YR 6/4). Loose. No odor.		CR	
-2	2	-75					
						SP	
-4	4	-76		Same as above.			
-6	6			End of boring at 6.0 feet.			
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: **Wood Group / P&W** Project Location: **Windsor Locks, Connecticut**	Site Id: **P1–130** Project Number: **2005–1184 R70**	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:	Datum:	Logged By: **M. Wujcik**	Driller: **D. Levesque**
Description: **Soil Boring**	Ground Elevation: **0.00'**	Contractor: **Fuss & O'Neill**	Borehole Dia.: **2.00in**
Date(s): **10/05/09 – 10/05/09**	Coordinate X: **0.00**	Drilling Method: **Hand Geoprobe**	
Total Depth: **6.00'**	Coordinate Y: **0.00**	Back Fill:	
Remarks: Field Instrument: None No refusal.		type: Concrete fm: 0.00' to: 0.50' type: Native Material fm: 0.50' to: 6.00' type: fm: to: type: fm: to: type: fm: to:	

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A -77		0–0.5': CONCRETE. 0.5–4.0': SAND, M; little F gravel and C sand; yellowish brown (10YR 5/4) to 2.0 feet, then brown (10YR 4/3), dry. Loose. No odor.		CR	
-2	2	-78					
						SP	
-4	4	-79		SAND, C–M; some F gravel; brown (10YR 4/3), dry. Loose. No odor.			
-6	6			End of boring at 6.0 feet.			
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1–131 Project Number: 2005–1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 10/05/09 – 10/05/09
Total Depth: 6.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 2.00in
Drilling Method: Hand Geoprobe

Back Fill:

type	fm	to
Concrete	0.00'	0.50'
Native Material	0.50'	6.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A –80, –81		0–0.5': CONCRETE. 0.5–4.0': SAND, M; little F gravel and C sand; brown (10YR 4/3), dry. Loose. No odor.		CR	
–2	2	–82					
						SP	
–4	4	–83		SAND, C–M; some F gravel; light yellowish brown (10YR 6/4), dry. Loose. No odor.			
–6	6			End of boring at 6.0 feet.			
–8	8						
–10	10						
–12	12						
–14	14						
–16	16						
–18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-132 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 10/05/09 – 10/05/09
Total Depth: 3.00'
Remarks: Field Instrument: None

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 2.00in
Drilling Method: Hand Geoprobe

Bock Fill:

type: Asphalt	fm: 0.00'	to: 0.30'
type: Native Material	fm: 0.30'	to: 3.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A -86		0–0.3': ASPHALT. 0.3–2.0': SAND, C–M; some F gravel; brown (10YR 4/3), dry. Loose. No odar.		AS	
-2	2	-87		Same as above.		SP	
				Refusal and end of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3-101A Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 10/01/09 – 10/01/09
Total Depth: 6.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coardinate Y: 0.00

Logged By: M. Wujcik
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 3.00in
Drilling Method: Shovel/Hond Auger/Hand Geoprobe
Back Fill:

type	fm	to
Native Material	0.00'	6.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-01		SAND, M; some roots; little F gravel; very dark brown (7.5YR 2.5/2), dry. Loose. No odor.		SP	
-2	2	-02		SAND, F-M; some silt; little F gravel; brown (7.5YR 4/4), dry. Loose. No odor.			
-4	4	-03		Same as above, moist.		SM	
-6	6			End of boring at 6.0 feet.			
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3–102A Project Number: 2005–1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 10/01/09 – 10/01/09
Total Depth: 6.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 3.00in
Drilling Method: Shovel/Hand Auger/Hand Geoprobe
Back Fill:
type: Native Material fm: 0.00' to: 6.00'
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-14		SAND, M; little C–F gravel; very dark grayish brown (10YR 3/2), dry. Loose. No odor.			
-2	2	-15		2.0–3.5': Same as above. 3.5–4.0': Sand and silt; trace clay and organics; black (10YR 2/1), moist. Slightly compact. No odor.		SP	
-4	4	-16		Sand, F and silt; little clay and C sand; trace organics; black (10YR 2/1), moist. Slightly compact with some elasticity. No odor.		SM/ML	
-6	6			End of boring at 6.0 feet.			
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3-104 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 10/01/09 – 10/01/09
Total Depth: 6.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 3.00in
Drilling Method: Shovel/Hand Auger/Hand Geoprobe
Back Fill:
type: Native Material fm: 0.00' to: 6.00'
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-04, -05		SAND, M; some roots; little F gravel; dark brown (7.5YR 3/2), dry. Loose. No odor.			
-2	2	-06		SAND, C-M; some C-F gravel; brown (7.5YR 4/4), dry. Loose. No odor.		SP	
-4	4	-07		Same as above, moist.			
-6	6			End of boring at 6.0 feet.			
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: JGL ✓

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3–105 Project Number: 2005–1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 10/01/09 – 10/01/09
Total Depth: 6.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Driller: O. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 3.00in
Drilling Method: Shovel/Hand Auger/Hand Geoprobe
Back Fill:

type: Native Material	fm: 0.00'	to: 6.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-08		SAND, M; some roots; little F gravel; dark brown (7.5YR 3/2), dry. Loose. No odor.			
-2	2	-09		SAND, M–F; trace F gravel; yellowish brown (10YR 5/8). dry. Loose. No odor.		SP	
-4	4	-10		SAND, F, light yellowish brown (10YR 6/4), dry. Loose. No odor.		SW	
-6	6			End of boring at 6.0 feet.			
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3-106 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 10/01/09 – 10/01/09
Total Depth: 6.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 3.00in
Drilling Method: Shovel/Hand Auger/Hand Geoprobe

Back Fill:

type	fm	to
Native Material	0.00'	6.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-11		SAND, M; some roots; little F gravel; dark brown (7.5YR 3/2), dry. Loose. No odor.			
-2	2	-12		SAND, brown (7.5YR 4/4), dry. Loose. No odor.		SP	
-4	4	-13		SAND, C-M, brown (7.5YR 4/4), moist to wet at 5.5 feet. Loose. No odor.			
-6	6			End of boring at 6.0 feet.			
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3-107 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 10/01/09 – 10/01/09
Total Depth: 6.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Contractor: Fuss & O'Neill
Driller: D. Levesque
Borehole Dia.: 3.00in
Drilling Method: Shovel/Hand Auger/Hand Geoprobe
Back Fill:
type: Native Material fm: 0.00' to: 6.00'
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-17		SAND, M; little C-F gravel; trace roots; very dark grayish brown (10YR 3/2), dry. Loose. No odor.			
-2	2	-18		Same as above.		SP	
-4	4	-19		4.0-5.0': Same as above, dark brown (7.5YR 3/2). 5.0-6.0': Sand, F and silt; little clay and C sand; trace organics; very dark grayish brown (10YR 3/2), moist. Slightly compact. No odor.			
-6	6			End of boring at 6.0 feet.		SM/ML	
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Locotion: Windsor Locks, Connecticut	Site Id: P3–108 Project Number: 2005–1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:	Datum:	Logged By: M. Wujcik	Driller: D. Levesque
Description: Soil Boring	Ground Elevation: 0.00'	Contractor: Fuss & O'Neill	Borehole Dia.: 3.00in
Date(s): 10/01/09 – 10/01/09	Coordinate X: 0.00	Drilling Method: Shovel/Hand Auger/Hand Geoprobe	
Total Depth: 6.00'	Caordinote Y: 0.00	Back Fill:	
Remarks: Field Instrument: None No refusal.		type: Native Moterial fm: 0.00' to: 6.00' type: fm: to: type: fm: to: type: fm: to: type: fm: to:	

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-20		SAND, M; little C–F gravel; dark brown (10YR 3/3), dry to moist at 1.0 foot. Loose. No odor.			
-2	2	-21		SAND, C–F, very dark grayish brown (10YR 3/2), wet at 2.0 feet. Loose. No odor.		SP	
-4	4	-22		Same as above.			
-6	6			End of boring at 6.0 feet.			
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3–109 Project Number: 2005–1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 10/01/09 – 10/01/09
Total Depth: 6.00'
Remarks: Field Instrument: None
No refusal.

Dotum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 3.00in
Drilling Method: Shovel/Hand Auger/Hand Geoprobe
Back Fill:

type	fm	to
Native Material	0.00'	6.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-23		SAND, C–M; little F gravel; dark brown (10YR 3/3), dry. Loose. No odor.			
-2	2	-24		Some as above, dark yellowish brown (10YR 4/4), wet at 2.0 feet.		SP	
-4	4	-25		Sand, F and silt; dark grayish brown (10YR 4/2), moist. Slightly compact. No odor.		SM	
-6	6			End of boring at 6.0 feet.			
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: KAV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3–110 Project Number: 2005–1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:	Datum:	Logged By: M. Wujcik	Driller: D. Levesque
Description: Sail Boring	Ground Elevation: 0.00'	Controctor: Fuss & O'Neill	Borehole Dia.: 3.00in
Date(s): 10/01/09 – 10/01/09	Coordinate X: 0.00	Drilling Method: Shovel/Hand Auger/Hond Geoprobe	
Total Depth: 6.00'	Coordinate Y: 0.00	Back Fill:	
Remarks: Field Instrument: None No refusal.		type: Native Moterial	fm: 0.00' to: 6.00'
		type:	fm: to:
		type:	fm: to:
		type:	fm: to:
		type:	fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		–26, –27		SAND, C–M; little F gravel; brown (1DYR 4/3), dry. Loose. No odor.			
–2	2	–28		Same as above, moist to wet at 3.0 feet.		SP	
–4	4	–29		Same as above, wet.			
–6	6			End of boring at 6.0 feet.			
–8	8						
–10	10						
–12	12						
–14	14						
–16	16						
–18	18						

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3-111 Project Number: 2005-1184 R70	FUSS & O'NEILL *Disciplines to Deliver* 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

Location:
Description: Soil Boring
Date(s): 10/01/09 – 10/01/09
Total Depth: 4.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: M. Wujcik
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 3.00in
Drilling Method: Shovel/Hand Auger/Hand Geoprobe
Back Fill:
type: Native Material fm: 0.00' to: 4.00'
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
		-30		SAND, C-M; little F gravel; very dark grayish brown (10YR 3/2), moist. Loose. No odor.		SP	
		N/A		GRAVEL, C.		GW	
-2	2	-31		SAND, F; little C-M sand; very dark gray (10YR 3/1), wet. Loose. No odor.		SP	
-4	4			End of boring at 4.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: [illegible]

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-105B Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: E outside of building, near P1-105 Datum:
Description: Soil Boring
Date(s): 09/25/14 – 09/25/14
Total Depth: 8.00'
Remarks: Field Instrument: None
No refusal.

Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe
Driller: D. Levesque
Borehole Dia.: 2.00in

Back Fill:

type: Asphalt	fm: 0.00'	to: 0.30'
type: #0 Sand	fm: 0.30'	to: 8.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
		N/A		0–0.3': ASPHALT. 0.3–1.5': SAND, F–M; some silt; trace F gravel; dark brown (10YR 3/3) to 1.0 foot, then dark yellowish brown (10YR 4/6), dry. Moderate compact. No odor. 1.5–2.0': SAND, M–F; some F gravel; yellowish brown (10YR 5/6), dry. Loose. No odor.		AS SM	
-2	2	-14		Same as above.			
		-15					
-4	4	-16		Same as above.		SP	
		-17					
-6	6	-18		SAND, F–C; some F gravel; yellowish brown (10YR 5/6), dry. Loose. No odor.			
		-19					
-8	8			End of boring at 8.0 feet.			
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-201 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: N most floor drain boring
Description: Soil Boring
Date(s): 06/10/14 – 06/10/14
Total Depth: 8.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 400.86
Coordinate Y: 280.29

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe

Driller: D. Levesque
Borehole Dia.: 2.25in

Back Fill:

type	fm	to
Concrete	0.00'	0.50'
Native Material	0.50'	8.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0–0.5': CONCRETE (6.5 inches).		CR	
		-001		0.5–5.0': SAND, M–F (C–F from 2.0 to 3.0 feet); some F–M gravel; yellowish brown (10YR 5/4), except brown (7.5YR 4/3) from 3.0 to 4.0 feet, dry. Loose, except slightly compact 3.0 to 4.0 feet.			
		-002					
-2	2	-003				SP	
-4	4	N/A					
		N/A		SAND, M–C; some F–M gravel; yellowish brown (10YR 5/4), dry. Loose.			
-6	6	-004				SW	
-8	8			End of boring at 8.0 feet.			
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-202 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: W most floor drain boring
Description: Soil Boring
Date(s): 06/10/14 – 06/10/14
Total Depth: 10.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 444.94
Coordinate Y: 336.12

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe
Back Fill:
type: Concrete fm: 0.00' to: 0.30'
type: Native Material fm: 0.30' to: 10.00'
type: fm: to:
type: fm: to:
type: fm: to:

Driller: D. Levesque
Borehole Dia.: 2.25in

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0–0.3': CONCRETE (4 inches).		CR	
		-005		0.3–5.0': SAND, M–C; some F–M gravel; yellowish brown (10YR 5/4), except brown (7.5YR 4/4) from 2.0 to 4.0 feet. Loose, except slightly compact 2.0 to 4.0 feet.			
		-006					
-2	2	-007					
-4	4	N/A				SP	
		N/A		5.0–7.5': Same as above. 7.5–10': SAND, F; trace silt; yellowish brown (10YR 5/4), dry. Compact.			
-6	6	-008, -009					
-8	8	-010				SW	
-10	10			End of boring at 10 feet.			
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-203 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: E most floor drain boring
Description: Soil Boring
Date(s): 06/10/14 – 06/10/14
Total Depth: 10.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 396.76
Coordinate Y: 334.92

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe

Driller: D. Levesque
Borehole Dia.: 2.25in

Back Fill:

type: Concrete	fm: 0.00'	to: 0.30'
type: Native Material	fm: 0.30'	to: 10.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0–0.3': CONCRETE (4 inches).		CR	
		-011		0.3–3.0': SAND, M–C; some F–C gravel; yellowish brown (10YR 5/4), dry. Loose.			
		-012		3.0–5.0': SAND, M–F; trace F–M gravel; dark yellowish brown (10YR 3/6). Slightly compact.			
-2	2	-013					
-4	4	N/A					
		N/A		5.0–8.5': Same as above. 8.5–10': SAND, M–F; trace F gravel; yellowish brown (10YR 5/4). Slightly compact.		SP	
-6	6	-014					
-8	8	-015					
-10	10			End of boring at 10 feet.			
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-204 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: S most floor drain boring
Description: Soil Boring
Date(s): 06/11/14 - 06/11/14
Total Depth: 8.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 405.20
Coordinate Y: 365.03

Logged By: L. Kostak
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 2.00in
Drilling Method: Hand Geoprobe

Back Fill:

type	fm	to
Concrete	0.00'	0.50'
#1 Sand	0.50'	8.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A -062 -063		0-0.5': CONCRETE. 0.5-0.8': SAND, M-C; some F gravel; yellowish brown (10YR 5/4). Loose. (Fill). 0.8-2.0': SAND, M-F; trace F-M gravel; dark yellowish brown (10YR 3/4), dry. Loose. (Fill).		CR	
-2	2	-064		Same as above, little leaves; little black fill; dark yellowish brown (10YR 3/4) with grayish black stain on gravel. No odor. (Fill).			
-4	4	N/A		SAND, M-F; trace F-M gravel; yellowish brown, dry. Loose.		Fl	
-6	6	N/A		Same as above, except no gravel.		SW	
-8	8			End of boring at 8.0 feet.			
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1–205 Project Number: 2005–1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: N most in upper release area
Description: Soil Boring
Date(s): 06/10/14 – 06/10/14
Total Depth: 5.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 385.68
Coordinate Y: 358.66

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe

Driller: D. Levesque
Borehole Dia.: 2.25in

Back Fill:

type	fm	to
Concrete	0.00'	0.40'
Native Material	0.40'	5.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0–0.4': CONCRETE (5 inches).		CR	
		–016		0.4–5.0': SAND, F–C; little F–M gravel. Loose, except slightly compact 2.0 to 4.0 feet.			
		–017					
–2	2	–018				SP	
		–019					
–4	4	N/A					
				End of boring at 5.0 feet.			
–6	6						
–8	8						
–10	10						
–12	12						
–14	14						
–16	16						
–18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-206 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: W of loading dock
Description: Soil Boring
Date(s): 06/10/14 – 06/10/14
Total Depth: 5.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 375.06
Coordinate Y: 397.03

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe

Driller: D. Levesque
Borehole Dia.: 2.25in

Back Fill:

type: Concrete	fm: 0.00'	to: 0.40'
type: Native Material	fm: 0.40'	to: 5.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0–0.4': CONCRETE.		CR	
		-020		0.4–5.0': SAND, C–F; little F–M gravel; yellowish brown (10YR 5/4) except dark yellowish brown (10YR 4/4) from 1.0 to 3.0 feet, dry. Slightly compact.			
		-021					
-2	2	-022				SP	
		-023					
-4	4	n/a					
				End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W
Project Location: Windsor Locks, Connecticut

Site Id: P1-207
Project Number: 2005-1184 R73

FUSS & O'NEILL
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469

Location:
Description: Soil Boring
Date(s): 06/10/14 - 06/10/14
Total Depth: 5.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 406.52
Coordinate Y: 392.58

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe
Driller: D. Levesque
Borehole Dia.: 2.25in

Back Fill:

type	fm	to
Concrete	0.00'	0.40'
Native Material	0.40'	5.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0-0.4': CONCRETE (5 inches).		CR	
		-024		0.4-2.0': SAND, M-F; trace F gravel; strong brown (7.5YR 4/6), dry. Slightly compact.			
		-025		2.0-5.0': SAND, M-C; trace to little F gravel (more gravel from 3.0 to 4.0 feet); yellowish brown (10YR 5/4). Loose.			
-2	2	-026				SP	
		-027					
-4	4	N/A					
				End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W
Project Location: Windsor Locks, Connecticut

Site Id: P1-208
Project Number: 2005-1184 R73

FUSS & O'NEILL
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469

Location: In old maintenance shed
Description: Soil Boring
Date(s): 06/10/14 - 06/10/14
Total Depth: 5.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 397.15
Coordinate Y: 430.67

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe

Driller: D. Levesque
Borehole Dia.: 2.25in

Back Fill:

type	fm	to
Concrete	0.00'	0.40'
Native Material	0.40'	5.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0-0.4': CONCRETE (5 inches).		CR	
		-028		0.4-3.0': SAND, M-F; trace F gravel; dark yellowish brown (10YR 4/4), dry. Loose.			
		-029		3.0-5.0': SAND, M-C; some F-M gravel; yellowish brown (10YR 5/4), dry. Loose.			
-2	2	-030				SP	
		-031					
-4	4	N/A					
				End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1–209 Project Number: 2005–1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: W most in upper release area
Description: Soil Boring
Date(s): 06/10/14 – 06/10/14
Total Depth: 5.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 447.14
Coordinate Y: 470.47

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe
Driller: D. Levesque
Borehole Dia.: 2.25in

Back Fill:

type	fm	to
Concrete	0.00'	0.40'
Native Material	0.40'	5.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0–0.4': CONCRETE.		CR	
		-032, -033		0.4–4.5': SAND, M–F; trace F gravel; dark yellowish brown (10YR 4/6). Slightly compact to loose.			
		-034		4.5–5.0': SAND, M–C; some F–M gravel; yellowish brown (10YR 5/4), dry. Loose.			
-2	2	-035				SP	
		-036					
-4	4	N/A					
				End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-210 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: E of loading dock
Description: Soil Boring
Date(s): 06/10/14 – 06/10/14
Total Depth: 5.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 352.77
Coordinate Y: 389.95

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe

Driller: D. Levesque
Borehole Dia.: 2.25in

Back Fill:

type	fm	to
Asphalt	0.00'	0.30'
Native Material	0.30'	5.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0–0.3': ASPHALT.		AS	
		-037		0.3–2.0': SAND, M–F; trace silt; dark yellowish brown (10YR 3/4), dry. Slightly compact.			
				2.0–4.5': SAND, C–M; some F–M gravel; yellowish brown (10YR 5/4), dry. Loose.			
		-038		4.5–5.0': SAND, M–F, yellowish brown (10YR 5/4), dry. Loose.		SW	
-2	2	-039					
		-040				SP	
-4	4	N/A					
				End of boring at 5.0 feet.		SW	
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W
Project Location: Windsor Locks, Connecticut

Site Id: P1-211
Project Number: 2005-1184 R73

FUSS & O'NEILL
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469

Location: E most boring
Description: Soil Boring
Date(s): 06/10/14 - 06/10/14
Total Depth: 5.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 331.55
Coordinate Y: 470.09

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe

Driller: D. Levesque
Borehole Dia.: 2.25in

Back Fill:

type	fm	to
Asphalt	0.00'	0.30'
Native Material	0.30'	5.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0-0.3': ASPHALT.		AS	
		-041		0.3-2.5': SAND, M-F; trace silt; dark yellowish brown, dry. Slightly compact.			
		-042		2.5-5.0': SAND, M-C; some F-M gravel; yellowish brown, dry. Loose.		SW	
-2	2	-043					
		-044					
-4	4	N/A				SP	
				End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-212 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location:
Description: Soil Boring
Date(s): 06/10/14 - 06/10/14
Total Depth: 5.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 337.84
Coordinate Y: 510.69

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe

Driller: D. Levesque
Borehole Dia.: 2.25in

Back Fill:

type: Asphalt	fm: 0.00'	to: 0.30'
type: Native Material	fm: 0.30'	to: 5.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A -045, -046		0-0.3': ASPHALT. 0.3-3.5': SAND, M-F; trace F gravel; dark yellowish brown (10YR 4/6), dry. Slightly compact.		AS	
		-047		3.5-5.0': SAND, M-C; some F-M gravel; yellowish brown, dry. Loose.			
-2	2	-048				SP	
		-049					
-4	4	N/A					
				End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-213 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location:
Description: Soil Boring
Date(s): 06/10/14 – 06/10/14
Total Depth: 5.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 361.86
Coordinate Y: 555.32

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe
Back Fill:
type: Asphalt fm: 0.00' to: 0.30'
type: Native Material fm: 0.30' to: 5.00'
type: fm: to:
type: fm: to:
type: fm: to:

Driller: D. Levesque
Borehole Dia.: 2.25in

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0–0.3': ASPHALT.		AS	
		-050		0.3–5.0': SAND, F–C to coarser with depth; little F–M gravel; dark yellowish brown (10YR 5/4), dry. Loose.			
		-051					
-2	2						
		-052				SP	
		-053					
-4	4						
		N/A		End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-214 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: W most outside boring
Description: Soil Boring
Date(s): 06/10/14 – 06/10/14
Total Depth: 5.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 390.96
Coordinate Y: 501.53

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe

Driller: D. Levesque
Borehole Dia.: 2.25in

Back Fill:

type: Asphalt	fm: 0.00'	to: 0.30'
type: Native Material	fm: 0.30'	to: 5.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A -054		0-0.3': ASPHALT. 0.3-5.0': SAND, F-C to coarser towards bottom; some F-M gravel; dark yellowish brown, dry. Loose.		AS	
		-055					
-2	2	-056				SP	
		-057					
-4	4	N/A					
				End of boring at 5.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-215 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: Upper release area
Description: Soil Boring
Date(s): 06/11/14 – 06/11/14
Total Depth: 4.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 400.32
Coordinate Y: 508.63

Logged By: L. Kostak
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 2.00in
Drilling Method: Hand Geoprobe

Back Fill:

type	fm	to
Concrete	0.00'	0.30'
#1 Sand	0.30'	4.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0–0.3': CONCRETE.		CR	
		-058		0.3–0.8': SAND, M–F; trace F–C gravel; trace silt; dark reddish brown (2.5YR 3/3), dry. Loose.			
		-059		0.8–2.0': SAND, C–M; some F–M gravel; yellowish brown (10YR 5/4), dry. Loose.			
-2	2	-060		Same as above.		SP	
		-061					
-4	4			End of boring at 4.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-216 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: Inside building near loading dock
Description: Soil Boring
Date(s): 06/11/14 – 06/11/14
Total Depth: 10.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 381.00
Coordinate Y: 402.32

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe

Driller: D. Levesque
Borehole Dia.: 2.25in

Back Fill:

type: Concrete	fm: 0.00'	to: 0.50'
type: #1 Sand	fm: 0.50'	to: 10.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0–0.5': CONCRETE. 0.5–5.0': SAND, C–M; little F–C gravel; trace silt; dark yellowish brown (10YR 3/4), dry. Loose.		CR	
-2	2						
-4	4						
		N/A		5.0–9.0': Same as above. 9.0–10': SAND, F–M, yellowish brown (10YR 5/4), dry. Loose.		SP	
-6	6	-066					
		-067					
-8	8						
		-068				SW	
-10	10			End of boring at 10 feet.			
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W
Project Location: Windsor Locks, Connecticut

Site Id: P1-217
Project Number: 2005-1184 R73

FUSS & O'NEILL
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469

Location: SE corner of loading dock
Description: Soil Boring
Date(s): 06/11/14 - 06/11/14
Total Depth: 10.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 347.58
Coordinate Y: 446.00

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe

Driller: D. Levesque
Borehole Dia.: 2.25in

Back Fill:

type	fm	to
Asphalt	0.00'	0.30'
#1 Sand	0.30'	10.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0-0.3': ASPHALT. 0.3-5.0': SAND, M-C; trace F gravel; dark yellowish brown (10YR 4/4), dry. Slightly compact.		AS	
-2	2						
-4	4					SP	
		N/A		5.0-7.0': Same as above. 7.0-10': SAND, F-M, yellowish brown (10YR 5/4), dry. Slightly compact.			
-6	6	-069					
		-070					
-8	8					SW	
		-071					
-10	10			End of boring at 10 feet.			
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-218 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location:
Description: Soil Boring
Date(s): 06/11/14 – 06/11/14
Total Depth: 10.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 310.64
Coordinate Y: 507.01

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe
Back Fill:
type: Asphalt fm: 0.00' to: 0.30'
type: Native Material fm: 0.30' to: 10.00'
type: fm: to:
type: fm: to:
type: fm: to:

Driller: D. Levesque
Borehole Dia.: 2.25in

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
		N/A		0–0.3': ASPHALT. 0.3–5.0': SAND, M–C; trace F gravel; dark yellowish brown (10YR 4/4), dry. Loose.		AS	
-2	2						
-4	4					SP	
		N/A		5.0–8.0': Same as above. Slightly compact 7.0 to 8.0 feet. 8.0–10': SAND, F–M, yellowish brown, dry. Slightly compact.			
-6	6	-072					
		-073, -074					
-8	8						
		-075				SW	
-10	10			End of boring at 10 feet.			
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: **Wood Group / P&W** Project Location: **Windsor Locks, Connecticut**	Site Id: **P1–219** Project Number: **2005–1184 R73**	**FUSS & O'NEILL** 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: **See map**
Description: **Soil Boring**
Date(s): **07/17/14 – 07/17/14**
Total Depth: **4.00'**
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: **0.00'**
Coordinate X: **0.00**
Coordinate Y: **0.00**

Logged By: **K. McNally**
Contractor: **ADT**
Drilling Method: **Hand Geoprobe**
Back Fill:
type: Concrete fm: 0.00' to: 0.50'
type: #1 Sand fm: 0.50' to: 4.00'
type: fm: to:
type: fm: to:
type: fm: to:

Driller: **Lavelle**
Borehole Dia.: **2.25in**

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
				CONCRETE.		CR	
		-18		0.5–1.0': SAND, F–M; some silt; little F gravel; dark reddish brown (2.5YR 3/3), dry. Slightly compact. No odor.		SM	
		-19		1.0–2.0': SAND, F–C, reddish brown (10YR 4/4), dry. Loose. No odor.			
-2	2	-20		Same as above.		SP	
		-21					
-4	4			End of boring at 4.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-220 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: See map
Description: Soil Boring
Date(s): 07/17/14 – 07/17/14
Total Depth: 4.00'
Remarks: Field Instrument: None

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: K. McNally
Contractor: ADT
Drilling Method: Hand Auger
Back Fill:
type: Concrete fm: 0.00' to: 0.50'
type: #1 Sand fm: 0.50' to: 4.00'
type: fm: to:
type: fm: to:
type: fm: to:

Driller: Lavelle
Borehole Dia.: 2.25in

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
				CONCRETE.		CR	
		-22		0.5–1.0': SAND, M–F; some silt; little F gravel; dark reddish brown (2.5YR 3/3), dry. Loose. No odor. (Fill).			
		-23		1.0–2.0': SAND, F–C, dark yellowish brown (10YR 4/4), dry. Loose. No odor.			
-2	2	-24		Same as above.		Fl	
		-25					
-4	4			CONCRETE. Refusal and end of boring at 4.0 feet.		CR	
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KL ✓

Project Name: **Wood Group / P&W** Project Location: **Windsor Locks, Connecticut**	Site Id: **P1-221** Project Number: **2005-1184 R73**	**FUSS & O'NEILL** 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: **See map**
Description: **Soil Boring**
Date(s): **07/17/14 - 07/17/14**
Total Depth: **4.00'**
Remarks: Field Instrument: None

Datum:
Ground Elevation: **0.00'**
Coordinate X: **0.00**
Coordinate Y: **0.00**

Logged By: **K. McNally**
Contractor: **ADT**
Drilling Method: **Geoprobe**
Back Fill:
type: Concrete fm: 0.00' to: 0.50'
type: #1 Sand fm: 0.50' to: 4.00'
type: fm: to:
type: fm: to:
type: fm: to:

Driller: **Carmine**
Borehole Dia.: **2.25in**

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0				CONCRETE.		CR	
		-26		SAND, F; some silt; dark yellowish brown (10YR 3/6) to yellowish brown (10YR 5/4) near 2.5 feet, dry. Loose. No odor. Material becoming slightly coarser near 4.0 feet.			
		-27					
-2	2	-28				SM	
		-29					
-4	4			End of boring at 4.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-222 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: See map
Description: Soil Boring
Date(s): 07/17/14 – 07/17/14
Total Depth: 4.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: K. McNally
Contractor: ADT
Drilling Method: Geoprobe
Back Fill:
type: Concrete fm: 0.00' to: 0.50'
type: #1 Sand fm: 0.50' to: 4.00'
type: fm: to:
type: fm: to:
type: fm: to:

Driller: Carmine
Borehole Dia.: 2.25in

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
		-30		CONCRETE.		CR	
		-31		SAND, F; some silt; yellowish brown (10YR 5/4), dry. Loose. No odor. Material becoming slightly coarser at 4.0 feet.			
-2	2	-32				SM	
		-33					
-4	4			End of boring at 4.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-223 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: See map
Description: Soil Boring
Date(s): 07/17/14 – 07/17/14
Total Depth: 4.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: K. McNally
Contractor: ADT
Drilling Method: Geoprobe
Back Fill:
type: Concrete fm: 0.00' to: 0.50'
type: Native Material fm: 0.50' to: 4.00'
type: fm: to:
type: fm: to:
type: fm: to:

Driller: Carmine
Borehole Dia.: 2.25in

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
		-34		CONCRETE.		CR	
		-35		SAND, F; some silt; yellowish brown (10YR 5/4), dry. Loose. No odor. Material becoming slightly coarser near 4.0 feet.			
-2	2	-36				SM	
		-37					
-4	4			End of boring at 4.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-224 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: See map
Description: Soil Boring
Date(s): 07/17/14 – 07/17/14
Total Depth: 4.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: K. McNally
Contractor: ADT
Drilling Method: Geoprobe

Driller: Carmine
Borehole Dia.: 2.25in

Back Fill:

type: Concrete	fm: 0.00'	to: 0.50'
type: Native Material	fm: 0.50'	to: 4.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0				CONCRETE.		CR	
		-38		SAND, F; some silt; brownish yellow (10YR 6/8) to 2.0 feet, then yellowish brown (10YR 5/4), dry. Loose. No odor. Material becoming slightly coarser near 4.0 feet.			
		-39					
-2	2	-40				SM	
		-41					
-4	4			End of boring at 4.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1–225 Project Number: 2005–1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: See map
Description: Soil Boring
Date(s): 08/14/14 – 08/14/14
Total Depth: 4.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 470.06
Coordinate Y: 455.91

Logged By: J. Mingrone
Driller: K. McNally
Contractor: Fuss & O'Neill
Borehole Dia.: 2.00in
Drilling Method: Hand Geoprobe

Back Fill:

type	fm	to
Concrete	0.00'	0.50'
Native Material	0.50'	4.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0				CONCRETE.		CR	
		-01		SAND, M–F; some silt; yellowish brown (10YR 5/4) to 1.0 foot, then brown (7.5YR 4/4), dry. Loose. No odor.			
		-02				SM	
-2	2	-03		2.0–2.25': Same as above. 2.25–3.75': SAND, F–C, brownish yellow (10YR 6/6), dry. Loose. No odor. 3.75–4.0': SAND, M–F; little silt; yellowish brown (10YR 5/4), dry. Loose. No odor.			
		-04				SW	
-4	4			End of boring at 4.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KV

Project Name: Wood Group / P&W
Project Location: Windsor Locks, Connecticut

Site Id: P1-226
Project Number: 2005-1184 R73

FUSS & O'NEILL
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469

Location: See map
Description: Soil Boring
Date(s): 08/14/14 - 08/14/14
Total Depth: 4.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 468.63
Coordinate Y: 506.90

Logged By: J. Mingrone
Driller: K. McNally
Contractor: Fuss & O'Neill
Borehole Dia.: 2.00in
Drilling Method: Hand Geoprobe

Back Fill:

type	fm	to
Concrete	0.00'	0.50'
Native Material	0.50'	4.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
		-05		CONCRETE. 0.5-1.75': SAND, M-F; some silt; yellowish brown (10YR 5/4) to 1.0 foot, then brown (7.5YR 4/4), dry. Loose. No odor.		CR	
		-06		1.75-2.0': SAND, F-C, brownish yellow (10YR 6/6), dry. Loose. No odor.		SM	
-2	2	-07		Same as above.			
		-08				SW	
-4	4			End of boring at 4.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-227 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: See map
Description: Soil Boring
Date(s): 08/14/14 – 08/14/14
Total Depth: 4.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 481.88
Coordinate Y: 481.26

Logged By: J. Mingrone
Driller: K. McNally
Contractor: Fuss & O'Neill
Borehole Dia.: 2.00in
Drilling Method: Hand Geoprobe

Back Fill:

type	fm	to
Concrete	0.00'	0.50'
Native Material	0.50'	4.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0				CONCRETE.		CR	
		-09		0.5–1.75': SAND, M–F; some silt; yellowish brown (10YR 5/4) to 1.0 foot, then brown (7.5YR 4/4), dry. Loose. No odor.			
		-10		1.75–2.0': SAND, F–C, brownish yellow (10YR 6/6), dry. Loose. No odor.		SM	
-2	2	-11		Same as above.			
		-12				SW	
-4	4			End of boring at 4.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KLV

Project Name: Wood Group / P&W
Project Location: Windsor Locks, Connecticut

Site Id: P1-228
Project Number: 2005-1184 R73

FUSS & O'NEILL
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469

Location: See map
Description: Soil Boring
Date(s): 08/14/14 - 08/14/14
Total Depth: 4.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 368.43
Coordinate Y: 363.36

Logged By: J. Mingrone Driller: K. McNally
Contractor: Fuss & O'Neill Borehole Dia.: 2.00in
Drilling Method: Hand Geoprobe
Back Fill:
type: Concrete fm: 0.00' to: 0.50'
type: Native Material fm: 0.50' to: 4.00'
type: fm: to:
type: fm: to:
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
		-13		CONCRETE. SAND, F-C, brownish yellow (10YR 6/6), dry. Loose. No odor.		CR	
		-14					
-2	2	-15		2.0-3.5': Same as above. 3.5-4.0': SAND, M-F; little silt; brown (7.5YR 4/4), dry. Loose. No odor.		SW	
		-16					
-4	4			End of boring at 4.0 feet.			
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: RL

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-229 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: Near W central loading area
Description: Soil Boring
Date(s): 09/25/14 - 09/25/14
Total Depth: 3.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe

Driller: D. Levesque
Borehole Dia.: 2.00in

Back Fill:

type: Concrete	fm: 0.00'	to: 0.50'
type: #0 Sand	fm: 0.50'	to: 3.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0-0.5': CONCRETE.		CR	
		-04, -05		0.5-2.0': SAND, M-F; trace F gravel; dark yellowish brown (10YR 4/4), dry. Slightly compact to loose. No odor.			
		-06					
-2	2	-07		SAND, M; trace F-M gravel; yellowish brown (10YR 5/4), dry. Loose. No odor.		SP	
				End of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-230 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location:
Description: Soil Boring
Date(s): 09/25/14 – 09/25/14
Total Depth: 3.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe

Driller: D. Levesque
Borehole Dia.: 2.00in

Back Fill:

type: Concrete	fm: 0.00'	to: 0.50'
type: #0 Sand	fm: 0.50'	to: 3.00'
type:	fm:	to:
type:	fm:	to:
type:	fm:	to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0–0.5': CONCRETE.		CR	
		-08		0.5–2.0': SAND, M–F; trace M gravel starting at 1.0 foot; yellowish brown (10YR 5/6), dry. Slightly compact to loose.			
		-09					
-2	2	-10		Same as above.		SP	
				End of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KLV

Project Name: **Wood Group / P&W** Project Location: **Windsor Locks, Connecticut**	Site Id: **P1-231** Project Number: **2005-1184 R73**	**FUSS & O'NEILL** 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: **W outside of building**
Description: **Soil Boring**
Date(s): **09/25/14 – 09/25/14**
Total Depth: **3.00'**
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: **0.00'**
Coordinate X: **0.00**
Coordinate Y: **0.00**

Logged By: **L. Kostak**
Contractor: **Fuss & O'Neill**
Drilling Method: **Geoprobe**
Driller: **D. Levesque**
Borehole Dia.: **2.00in**

Back Fill:

type	fm	to
Asphalt	0.00'	0.30'
#0 Sand	0.30'	3.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0–0.3': ASPHALT.		AS	
		-11		0.3–2.0': SAND, M–F; some F–C gravel; trace silt; dark yellowish brown (10YR 4/6), dry. Slightly compact. (Fill).			
		-12					
-2	2	-13		SAND, M–F; trace F gravel; 2 inch brick/asphalt layer at 2.0 feet; dark yellowish brown (10YR 4/6), dry. Loose to slightly compact. (Fill).		Fl	
				End of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KLV

Project Name: **Wood Group / P&W** Project Location: **Windsor Locks, Connecticut**	Site Id: P1-232 Project Number: 2005-1184 R73	**FUSS & O'NEILL** 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: **Inside offices**
Description: **Soil Boring**
Date(s): **09/25/14 – 09/25/14**
Total Depth: **3.00'**
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: **0.00'**
Coordinate X: **0.00**
Coordinate Y: **0.00**

Logged By: **L. Kostak** Driller: **D. Levesque**
Contractor: **Fuss & O'Neill** Borehole Dia.: **2.00in**
Drilling Method: **Geoprobe**

Back Fill:

type	fm	to
Concrete	0.00'	0.50'
#0 Sand	0.50'	3.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0–0.5': CONCRETE.		CR	
		-20		0.5–1.0': SAND, M–F, dark yellowish brown (10YR 4/6), dry. Loose to slightly compact.		SW	
		-21		SAND, M; trace F–M gravel; yellowish brown (10YR 5/4). dry. Loose. No odor.			
-2	2	-22				SP	
				End of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P1-235 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: N most boring near P1-207
Description: Soil Boring
Date(s): 09/25/14 - 09/25/14
Total Depth: 3.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Geoprobe
Driller: D. Levesque
Borehole Dia.: 2.00in

Back Fill:

type	fm	to
Concrete	0.00'	0.50'
#0 Sand	0.50'	3.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0-0.5': CONCRETE.		CR	
		-01		0.5-2.0': SAND, M-F; some F-M gravel; brown (7.5YR 4/3), dry. Loose. No odor.			
		-02					
-2	2	-03		Same as above.		SP	
				End of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KLW

Project Name: **Wood Group / P&W** Project Location: **Windsor Locks, Connecticut**	Site Id: P3–105A Project Number: 2005–1184 R73	**FUSS & O'NEILL** 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: **NW boring around P3–105**	Datum:	Logged By: **L. Kostak**	Driller: **D. Levesque**
Description: **Soil Boring**	Ground Elevation: **0.00'**	Contractor: **Fuss & O'Neill**	Borehole Dia.: **1.00in**
Date(s): **06/12/14 – 06/12/14**	Coordinate X: **0.00**	Drilling Method: **Hand Geoprobe**	
Total Depth: **3.00'**	Coordinate Y: **0.00**	Back Fill:	
Remarks: Field Instrument: None No refusal.		type: fm: to: type: fm: to: type: fm: to: type: fm: to: type: fm: to:	

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-100 N/A		SAND, M; some organics; dark brown (7.5YR 3/2), dry. Loose. (Topsoil).		TS	
		-101		SAND, M; some organics; strong brown (7.5YR 4/6), dry. Loose.			
-2	2	-102				SW	
				End of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: **Wood Group / P&W**
Project Location: **Windsor Locks, Connecticut**

Site Id: P3–105B
Project Number: 2005–1184 R73

FUSS & O'NEILL
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469

Location: SW boring around P3–105
Description: Soil Boring
Date(s): 06/12/14 – 06/12/14
Total Depth: 3.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Hand Geoprobe
Back Fill:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Driller: D. Levesque
Borehole Dia.: 1.00in

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-110		SAND, F–M; some organics; dark brown (7.5YR 3/2), dry. Loose. (Topsoil).		TS	
		N/A					
		-111		SAND, F–M; some organics; dark brown (7.5YR 3/2), dry. Loose.			
-2	2	-112				SW	
				End of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3-105C Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: SE boring around P3-105
Description: Soil Boring
Date(s): 06/12/14 – 06/12/14
Total Depth: 3.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Hand Geoprobe
Driller: D. Levesque
Borehole Dia.: 1.00in

Back Fill:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-107		SAND, M-F; some organics; dark brown (7.5YR 3/3), dry. Loose. (Topsoil).		TS	
		N/A					
		-108		SAND, F-C, dark brown (7.5YR 3/3), dry. Loose.			
-2	2	-109				SW	
				End of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3–105D Project Number: 2005–1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: NE boring around P3–105
Description: Soil Boring
Date(s): 06/12/14 – 06/12/14
Total Depth: 3.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: L. Kostak
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 1.00in
Drilling Method: Hand Geoprobe
Back Fill:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-103, -104		SAND, M–F; some organics; dark brown (7.5YR 3/4). (Topsoil).		TS	
		N/A					
		-105		SAND, M; trace F gravel; dark brown (7.5YR 3/4), moist. Loose.			
-2	2	-106				SP	
				End of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W
Project Location: Windsor Locks, Connecticut

Site Id: P3-105E
Project Number: 2005-1184 R73

FUSS & O'NEILL
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469

Location: See map
Description: Soil Boring
Date(s): 07/17/14 - 07/17/14
Total Depth: 3.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: K. McNally
Contractor: ADT
Driller: Carmine
Borehole Dia.: 2.25in
Drilling Method: Scoop, Shovel and Hand Geoprobe

Back Fill:
type: Native Material fm: 0.00' to: 3.00'
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-01		SAND, F; some silt; trace roots and grubs; very dark grayish brown (10YR 3/2), dry. Very loose. No odor. Plastic and bottles and insoles observed near surface.		SM	
		N/A					
		-02		1.0-1.5': Same as above. 1.5-3.0': SAND, M-C, dark yellowish brown (10YR 4/6), dry. Loose. No odor.			
-2	2	-03				SP	
				End of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3-105F Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: See map
Description: Soil Boring
Date(s): 07/17/14 – 07/17/14
Total Depth: 3.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: K. McNally
Contractor: ADT
Driller: Carmine
Borehole Dia.: 2.25in
Drilling Method: Scoop, Shovel and Hand Geoprobe

Back Fill:

type	fm	to
Native Material	0.00'	3.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-04, -05 N/A -06		SAND, F; some silt; trace roots; very dark grayish brown (10YR 3/2), dry. Very loose. No odor. 1.0–2.0': Same as above, except less organics. 2.0–3.0': SAND, M–F, dark yellowish brown (10YR 4/6), dry. Loose. No odor.		SM	
-2	2	-07				SP	
				End of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3-105G Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: See map
Description: Soil Boring
Date(s): 07/17/14 – 07/17/14
Total Depth: 3.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: K. McNally
Contractor: ADT
Drilling Method: Scoop, Shovel and Hand Geoprobe

Driller: Carmine
Borehole Dia.: 2.25in

Back Fill:

type	fm	to
Native Material	0.00'	3.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-08		SAND, F; some silt; trace roots; very dark grayish brown (10YR 3/2), dry. Very loose. No odor. Evidence of dumping with tire and brick at surface.		SM	
		N/A					
		-09		1.0–2.0': Same as above, except less organics. 2.0–3.0': SAND, M–F, dark yellowish brown (10YR 4/6), dry. Loose. No odor.			
-2	2	-10				SP	
				End of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KLV

Project Name: Wood Group / P&W
Project Location: Windsor Locks, Connecticut

Site Id: P3-105H
Project Number: 2005-1184 R73

FUSS & O'NEILL
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469

Location: See map
Description: Soil Boring
Date(s): 07/17/14 - 07/17/14
Total Depth: 3.00'
Remarks: Field Instrument:
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: K. McNally
Contractor: ADT
Drilling Method: Scoop, Shovel and Hand Geoprobe

Driller: Carmine
Borehole Dia.: 2.25in

Back Fill:
type: Native Material fm: 0.00' to: 3.00'
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-14		SAND, F-M; little silt; dark yellowish brown (10YR 4/6), dry. Loose. No odor.			
		N/A					
		-15		Same as above.		SP	
-2	2	-16					
				End of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KLV

Project Name: **Wood Group / P&W** Project Location: **Windsor Locks, Connecticut**	Site Id: **P3-105I** Project Number: **2005-1184 R73**	**FUSS & O'NEILL** 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: **See map**
Description: **Soil Boring**
Date(s): **07/17/14 – 07/17/14**
Total Depth: **3.00'**
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: **0.00'**
Coordinate X: **0.00**
Coordinate Y: **0.00**

Logged By: **K. McNally** Driller: **Carmine**
Contractor: **ADT** Borehole Dia.: **2.25in**
Drilling Method: **Scoop, Shovel and Hand Geoprobe**
Back Fill:
type: Native Material fm: 0.00' to: 3.00'
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A -11		0–0.3': TRAPROCK. 0.3–1.0': SAND, M–F; some silt; little F–C gravel; trace roots; very dark grayish brown (10YR 3/2), dry. Loose. No odor.		BD	
		N/A -12		1.0–1.5': Same as above. 1.5–3.0': SAND, F; some silt; dark yellowish brown (10YR 4/6), dry. Loose. No odor.		SM	
-2	2	-13					
				End of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KLV

Project Name: Wood Group / P&W
Project Location: Windsor Locks, Connecticut

Site Id: P3-105J
Project Number: 2005-1184 R73

FUSS & O'NEILL
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469

Location: See map
Description: Soil Boring
Date(s): 08/14/14 - 08/14/14
Total Depth: 3.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 245.90
Coordinate Y: 558.12

Logged By: J. Mingrone
Contractor: Fuss & O'Neill
Drilling Method: Shovel/Hand Geoprobe
Driller: K. McNally
Borehole Dia.: 2.00in

Back Fill:
type: Native Material fm: 0.00' to: 3.00'
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-17		SAND, M-F; little silt; little organics in top 0.5 feet; moist top 0.5 feet. Loose. No odor.			
		N/A					
		-18		Same as above.			
-2	2	-19					
				End of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KW

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3-105K Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: See map
Description: Soil Boring
Date(s): 08/14/14 – 08/14/14
Total Depth: 3.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 220.48
Coordinate Y: 504.19

Logged By: J. Mingrone
Driller: Q
Contractor: Fuss & O'Neill
Borehole Dia.: 2.00in
Drilling Method: Shovel/Hand Geoprobe
Back Fill:
type: Native Material fm: 0.00' to: 3.00'
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
		-20		SAND, M-F; some silt; little organics; very dark brown (7.5YR 2.5/2), dry. Loose. No odor.			
		N/A					
		-21		1.0-2.5': Same as above. 2.5-3.0': SAND, F-C, brownish yellow (10YR 6/6), dry. Loose. No odor.		SM	
-2	2	-22					
						SW	
				End of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KLW

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3-105L Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: See map
Description: Soil Boring
Date(s): 08/14/14 - 08/14/14
Total Depth: 3.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 234.85
Coordinate Y: 510.07

Logged By: J. Mingrone
Contractor: Fuss & O'Neill
Drilling Method: Shovel/Hand Geoprobe
Driller: K. McNally
Borehole Dia.: 2.00in

Back Fill:
type: Native Material fm: 0.00' to: 3.00'
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-23, -24		SAND, M-F; some silt; little organics; very dark brown (7.5YR 2.5/2), dry. Loose. No odor.			
		N/A					
		-25		1.0-2.0': Same as above. 2.0-3.0': SAND, F-C, brownish yellow (10YR 6/6), dry. Loose. No odor.		SM	
-2	2	-26					
						SW	
				End of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3–109A Project Number: 2005–1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: S end of lower release area
Description: Soil Boring
Date(s): 06/12/14 – 06/12/14
Total Depth: 1.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Hand Auger
Back Fill:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Driller: D. Levesque
Borehole Dia.: 0.00in

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-085, -086 -087		0–0.5': SAND, M–F; some organics; trace silt; dark brown (7.5YR 3/2), moist. (Topsoil). 0.5–1.0': SAND, M–C; trace silt; dark brown (7.5YR 3/2), wet. End of boring at 1.0 foot.		TS SW	
-2	2						
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W
Project Location: Windsor Locks, Connecticut

Site Id: P3-111A
Project Number: 2005-1184 R73

FUSS & O'NEILL
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469

Location: In center of channel
Description: Soil Boring
Date(s): 06/12/14 - 06/12/14
Total Depth: 1.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Hand Auger
Back Fill:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Driller: D. Levesque
Borehole Dia.: 2.00in

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-081 -082		0-0.5': SAND, C; some F-M gravel; dark brown (7.5YR 3/2), wet. 0.5-1.0': SAND, M-C; little F-M gravel; dark brown (7.5YR 3/2), wet. End of boring at 1.0 foot.		SP	
-2	2						
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W
Project Location: Windsor Locks, Connecticut

Site Id: P3-111B
Project Number: 2005-1184 R73

FUSS & O'NEILL
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.2469

Location: W side of channel
Description: Soil Boring
Date(s): 06/12/14 - 06/12/14
Total Depth: 1.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 147.87
Coordinate Y: 772.44

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Hand Auger
Back Fill:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Driller: D. Levesque
Borehole Dia.: 2.00in

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-083		0-0.5': SILT; some C-F sand and organics; dark brown (7.5YR 3/2), moist. (Topsoil).		TS	
		-084		0.5-1.0': SAND, F-C, dark brown (7.5YR 3/2), moist.		SW	
				End of boring at 1.0 foot.			
-2	2						
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3–111C Project Number: 2005–1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: E of P3–111
Description: Soil Boring
Date(s): 06/12/14 – 06/12/14
Total Depth: 1.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: L. Kostak
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 1.00in
Drilling Method: Hand Geoprobe
Back Fill:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-079 -080		0–0.5': SAND, F; some organics; dark brown (7.5YR 3/2), moist. (Topsoil). 0.5–1.0': SAND, F–C; little silt; dark brown (7.5YR 3/2), wet. End of boring at 1.0 foot.		TS SP	
-2	2						
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3-201 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: E side of main channel of swale
Description: Soil Boring
Date(s): 06/12/14 – 06/12/14
Total Depth: 3.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 199.81
Coordinate Y: 592.80

Logged By: L. Kostak
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 1.00in
Drilling Method: Hand Geoprobe
Back Fill:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-094		SAND, F-M, light brown (7.5YR 6/3), dry. Loose.			
		N/A					
		-095		Same as above, light brown (7.5YR 6/3) to 1.8 feet, then black to 2.0 feet, then reddish brown. Moderately compact. No odor.		SW	
-2	2	-096					
				End of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3-202 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: W side of main swalr channel
Description: Soil Boring
Date(s): 06/12/14 – 06/12/14
Total Depth: 3.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: L. Kostak
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 1.00in
Drilling Method: Hand Geoprobe
Back Fill:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-097 N/A -098		SAND, F; some silt; some organics; dark brown (7.5YR 3/2), dry. Loose. (Topsoil).		TS	
				SAND, M-F, dark brown (7.5YR 3/2) to 2.0 feet, then brown (7.5YR 4/4), dry. Moderately compact.			
-2	2	-099				SW	
				End of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3-203 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: E side of lower release area
Description: Soil Boring
Date(s): 06/12/14 – 06/12/14
Total Depth: 3.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: L. Kostak
Driller: D. Levesque
Contractor: Fuss & O'Neill
Borehole Dia.: 1.00in
Drilling Method: Hand Geoprobe
Back Fill:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-088		SAND, M-F, light brown (7.5YR 6/3), dry. Loose.		SW	
		N/A					
		-089		SAND, C-F; trace F-M gravel; trace silt; light brown (7.5YR 6/3), dry. Loose.			
-2	2	-090				SP	
				End of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAC

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3-204 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: W side of lower release area
Description: Soil Boring
Date(s): 06/12/14 – 06/12/14
Total Depth: 3.00'
Remarks: Field Instrument: None
No refusal.

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: L. Kostak
Contractor: Fuss & O'Neill
Drilling Method: Hand Geoprobe
Driller: D. Levesque
Borehole Dia.: 1.00in

Back Fill:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		-091 N/A -092		SAND, M-F; trace organics; trace F gravel; light brown (7.5YR 6/3), dry. SAND, F-C; trace F gravel; light brown (7.5YR 6/3) to 2.0 feet, then dark grayish brown (2.5Y 4/2), moist. Slightly compact.		SP	
-2	2	-093					
				End of boring at 3.0 feet.			
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: DAe

Project Name: **Wood Group / P&W** Project Location: **Windsor Locks, Connecticut**	Site Id: **P3–205** Project Number: **2005–1184 R73**	**FUSS & O'NEILL** 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: **See map**
Description: **Soil Boring**
Date(s): **07/17/14 – 07/17/14**
Total Depth: **2.00'**
Remarks: Field Instrument: None
Made 3 attempts. All attempts encountered refusal at approximate top of discharge pipe.

Datum:
Ground Elevation: **0.00'**
Coordinate X: **0.00**
Coordinate Y: **0.00**

Logged By: **K. McNally**
Contractor: **ADT**
Drilling Method: **Hand Geoprobe**
Back Fill:
type: Native Material fm: 0.00' to: 2.00'
type: fm: to:
type: fm: to:
type: fm: to:
type: fm: to:

Driller: **Lavelle**
Borehole Dia.: **2.25in**

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
0		N/A		0–1.75': SAND, M–F; little silt and F gravel; dark yellowish brown (10YR 4/6), dry. Loose. No odor. (Fill). 1.75–2.0': ASPHALT, pulverized.		Fl	
		–17					
–2	2			ASPHALT. Refusal and end of boring at 2.0 feet.		AS	
–4	4						
–6	6						
–8	8						
–10	10						
–12	12						
–14	14						
–16	16						
–18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: MLV

Project Name: Wood Group / P&W Project Location: Windsor Locks, Connecticut	Site Id: P3-206 Project Number: 2005-1184 R73	FUSS & O'NEILL 146 HARTFORD ROAD MANCHESTER, CONNECTICUT 06040 860.646.2469

Location: See map
Description: Soil Boring
Date(s): 07/17/14 - 07/17/14
Total Depth: 1.00'
Remarks: Field Instrument: None

Datum:
Ground Elevation: 0.00'
Coordinate X: 0.00
Coordinate Y: 0.00

Logged By: K. McNally
Driller: K. McNally
Contractor: Fuss & O'Neill
Borehole Dia.: 2.25in
Drilling Method: Scoop and Shovel

Back Fill:

type	fm	to
Native Material	0.00'	1.00'

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Vapor
		-043, -044		0-0.4': SAND, F; some silt; trace organics; wet. Loose. Organic odor.		SM	
		-045		0.4-1.0': SAND, F-C, wet. Loose. Oragnic odor.		SP	
				End of boring at 1.0 foot.			
-2	2						
-4	4						
-6	6						
-8	8						
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Proportions used: Trace 0 to 10%/Some 20 to 35%/Little 10 to 20%/And 35 to 50%

Checked By: KLL

FUSS & O'NEILL

Attachment C

Laboratory Reports (on CD)

PHOENIX
Environmental Laboratories, Inc.

Thursday, June 25, 2009

Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Client ID: WOOD GROUP
Sample ID#s: AR84593 - AR84596

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
TX Lab Registration #T104704451-09TX
VT Lab Registration #VT11301

DMS

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 ▪ Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.

Monday, June 29, 2009

Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Client ID: WOOD GROUP
Sample ID#s: AR84593 - AR84596

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
TX Lab Registration #T104704451-09TX
VT Lab Registration #VT11301

DMS

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 ▪ Fax (860) 645-0823

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

June 29, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/16/09	10:30
Location Code:	F&O	Received by:	SW	06/16/09	14:50
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R60				

SDG I.D.: GAR84593
Phoenix I.D.: AR84593

Laboratory Data

Client ID: WOOD GROUP 858090616-01 FOSB-622 (0-1')

Parameter	Result	RL	Units	Date	Time	By	Reference	
Percent Solid	88		%	06/16/09		M-JL	E160.3	
SPLP Extraction for Metals	Completed			06/16/09		E	EPA 1312	
Total Metals Digest	Completed			06/16/09		AG/C	SW846 - 3050	
SPLP Metals Digestion	Completed			06/17/09		E	SW846-3005	
SPLP Tungsten	0.016	0.005	mg/l	06/19/09		*	E1312/SW6010	
Tungsten	36	5	mg/Kg	06/19/09		*	SW6010	1

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

* Analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
June 29, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

June 29, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/16/09	10:35
Location Code:	F&O	Received by:	SW	06/16/09	14:50
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R60				

SDG I.D.: GAR84593
Phoenix I.D.: AR84594

Laboratory Data

Client ID: WOOD GROUP 858090616-02 FOSB-623 (0-1)

Parameter	Result	RL	Units	Date	Time	By	Reference	
Percent Solid	89		%	06/16/09		M-JL	E160.3	
SPLP Extraction for Metals	Completed			06/16/09		E	EPA 1312	
SPLP Metals Digest MS/MSD	Completed			06/17/09				
Total Metals Digest MS/MSD	Completed			06/17/09				
Total Metals Digest	Completed			06/16/09		AG/C	SW846 - 3050	
SPLP Metals Digestion	Completed			06/17/09		E	SW846-3005	
SPLP Tungsten	0.007	0.005	mg/l	06/19/09		*	E1312/SW6010	
Tungsten	32	5	mg/Kg	06/19/09		*	SW6010	1

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

* Analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
June 29, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

June 29, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/16/09	10:40
Location Code:	F&O	Received by:	SW	06/16/09	14:50
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R60				

SDG I.D.: GAR84593
Phoenix I.D.: AR84595

Laboratory Data

Client ID: WOOD GROUP 858090616-03 FOSB-624 (0-1')

Parameter	Result	RL	Units	Date	Time	By	Reference	
Percent Solid	89		%	06/16/09		M-JL	E160.3	
SPLP Extraction for Metals	Completed			06/16/09		E	EPA 1312	
Total Metals Digest	Completed			06/16/09		AG/C	SW846 - 3050	
SPLP Metals Digestion	Completed			06/17/09		E	SW846-3005	
SPLP Tungsten	0.030	0.005	mg/l	06/19/09		*	E1312/SW6010	
Tungsten	82	5	mg/Kg	06/19/09		*	SW6010	1

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

* Analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
June 29, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

June 29, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/16/09	10:45
Location Code:	F&O	Received by:	SW	06/16/09	14:50
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R60				

Laboratory Data

SDG I.D.: GAR84593
Phoenix I.D.: AR84596

Client ID: WOOD GROUP 858090616-04 FOSB-624 (0-1') Field Duplicate

Parameter	Result	RL	Units	Date	Time	By	Reference	
Percent Solid	89		%	06/16/09		M-JL	E160.3	
SPLP Extraction for Metals	Completed			06/16/09		E	EPA 1312	
Total Metals Digest	Completed			06/16/09		AG/C	SW846 - 3050	
SPLP Metals Digestion	Completed			06/17/09		E	SW846-3005	
SPLP Tungsten	0.078	0.005	mg/l	06/19/09		*	E1312/SW6010	
Tungsten	79	5	mg/Kg	06/19/09		*	SW6010	1

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

* Analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
June 29, 2009

Requested Criteria: GAM, RC

Sample Criteria Exceedences Report

GAR84593

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored MDL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** F&O

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): AR84593, AR84594, AR84595, AR84596

Sampling Date(s): 6/16/2009

RCP **Methods Used:**

☑ 1311/1312	☑ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH
☐ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence	☑ Yes	☐ No	
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes	☐ No	
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes	☐ No	☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes	☐ No	
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes	☐ No	☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived?	☑ Yes	☐ No	
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes	☐ No	
5b.	Were these reporting limits met?	☐ Yes	☐ No	☑ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes	☐ No	☑ NA
7.	Are project-specific QC samples included in the data set?	☐ Yes	☑ No	☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence"

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Phyllis Shiller

Date: Friday, June 26, 2009

Printed Name: Phyllis Shiller

Position: Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

RCP Certification Report

June 26, 2009

SDG I.D.: GAR84593

The SPLP extractions and metals digestions were performed by Phoenix. The extracts were subcontracted to CT lab #PH-0520.

QC is not provided because Tungsten is not included in the QC spiking solution.

6° 1/1

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- [x] 146 Hartford Road, Manchester, CT 06040
- [ ] 56 Quarry Road, Trumbull, CT 06611
- [ ] 1419 Richland Street, Columbia, SC 29201
- [ ] 78 Interstate Drive, West Springfield, MA 01089
- [ ] 610 Lynndale Court, Suite E, Greenville, NC 27858
- [ ] 24 Madison Avenue Extension, Albany, NY 12203
- [ ] 275 Promenade Street, Suite 350, Providence, RI 02908
- [ ] 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- [ ] Other _____

CHAIN-OF-CUSTODY RECORD 18842

Turnaround
- [ ] 1 Day*
- [ ] 2 Days*
- [ ] 3 Days*
- [x] Standard (5 days)
- [ ] Other _____ (days)
- *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Wood Group	Windsor Locks, CT	20051184.R60	Phoenix

REPORT TO: Kevin Vandervoer (FTO)
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: [signature] Date: 6/16/09

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other ~~Equip Blank~~ DLD

Analysis Request: Total & SPLP Tungsten

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$; Glass Soil Container (8) oz; Glass Soil Container ( ) oz; Other: Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4; Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml; Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	Total & SPLP Tungsten	Containers	Comments
					8580906016-01	S	6/16/09	1030	X 84593	1	
					-02	↓	↓	1035	X 84594	3	MS/MSD
					-03	↓	↓	1040	X 84595	1	
					-04	↓	↓	1045	X 84596	1	Dup N/C

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	6/16/09	14:50
2				
3				
4				

Reporting and Detection Limit Requirements: RESDEC, GAPMC, RCP Deliverables.
Additional Comments:
1 Dup, 1 MS/MSD included.
~~1 Equip blank included~~ DLD

PHOENIX
Environmental Laboratories, Inc.

Thursday, June 25, 2009

Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Client ID: WOOD GROUP
Sample ID#s: AR84597 - AR84612

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
TX Lab Registration #T104704451-09TX
VT Lab Registration #VT11301

PMB 7/23/2009
DMS
Composite Samples Not Entered per KLV

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 ▪ Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.

Thursday, July 09, 2009

Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Client ID: WOOD GROUP
Sample ID#s: AR84604, AR84606 - AR84610

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
TX Lab Registration #T104704451-09TX
VT Lab Registration #VT11301

DMS

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 ▪ Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

June 25, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/16/09	11:00
Location Code:	F&O	Received by:	SW	06/16/09	14:50
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R60				

SDG I.D.: GAR84597
Phoenix I.D.: AR84597

Laboratory Data

Client ID: WOOD GROUP 858090616-05 WC-01 (0-2')

Parameter	Result	RL	Units	Date	Time	By	Reference	
Percent Solid	100	1	%	06/17/09		M-JL	E160.3	
Field Extraction	Completed			06/16/09		FO	SW5035	1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
1,1,1-Trichloroethane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
1,1,2-Trichloroethane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
1,1-Dichloroethane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
1,1-Dichloroethene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
1,1-Dichloropropene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
1,2,3-Trichloropropane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
1,2-Dichlorobenzene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
1,2-Dichloroethane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
1,2-Dichloropropane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
1,3-Dichlorobenzene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
1,3-Dichloropropane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
1,4-Dichlorobenzene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
2,2-Dichloropropane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
2-Chlorotoluene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
2-Hexanone	ND	26	ug/Kg	06/19/09		R/J	SW8260	
2-Isopropyltoluene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
4-Chlorotoluene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260	
4-Methyl-2-pentanone	ND	26	ug/Kg	06/19/09		R/J	SW8260	
Acetone	ND	100	ug/Kg	06/19/09		R/J	SW8260	

Client ID: WOOD GROUP 858090616-05 WC-01 (0-2') Phoenix I.D.: AR84597

Parameter	Result	RL	Units	Date	Time	By	Reference
Acrylonitrile	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Benzene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Bromobenzene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Bromochloromethane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Bromodichloromethane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Bromoform	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Bromomethane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Carbon Disulfide	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Carbon tetrachloride	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Chlorobenzene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Chloroethane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Chloroform	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Chloromethane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Dibromochloromethane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Dibromoethane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Dibromomethane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Dichlorodifluoromethane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Ethylbenzene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Hexachlorobutadiene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Isopropylbenzene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
m&p-Xylene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Methyl Ethyl Ketone	ND	31	ug/Kg	06/19/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	06/19/09		R/J	SW8260
Methylene chloride	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Naphthalene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
n-Butylbenzene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
n-Propylbenzene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
o-Xylene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
p-Isopropyltoluene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
sec-Butylbenzene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Styrene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
tert-Butylbenzene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Tetrachloroethene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	06/19/09		R/J	SW8260
Toluene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Total Xylenes	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	06/19/09		R/J	SW8260
Trichloroethene	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Trichlorofluoromethane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Trichlorotrifluoroethane	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
Vinyl chloride	ND	5.1	ug/Kg	06/19/09		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	06/19/09		R/J	SW8260
% Bromofluorobenzene	90		%	06/19/09		R/J	SW8260
% Dibromofluoromethane	98		%	06/19/09		R/J	SW8260
% Toluene-d8	94		%	06/19/09		R/J	SW8260

Client ID: WOOD GROUP 858090616-05 WC-01 (0-2') Phoenix I.D.: AR84597

Parameter	Result	RL	Units	Date	Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
June 25, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

June 25, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/16/09	11:05
Location Code:	F&O	Received by:	SW	06/16/09	14:50
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R60				

SDG I.D.: GAR84597
Phoenix I.D.: AR84598

Laboratory Data

Client ID: WOOD GROUP 858090616-06 WC-01 (0-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	88		%	06/16/09		M-JL	E160.3
Extraction of CT ETPH	Completed			06/16/09		QS/D	3545
TPH by GC (Extractable Products)							
Ext. Petroleum HC	18	11	mg/Kg	06/18/09		JRB	M8100CT
Identification	**		mg/Kg	06/18/09		JRB	M8100CT
QA/QC Surrogates							
% n-Pentacosane	66		%	06/18/09		JRB	M8100CT

Comments:

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains a distribution in the C26 to C36 range. The sample was quantitated against a C9-C36 standard.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
June 25, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

June 25, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/16/09	11:10
Location Code:	F&O	Received by:	SW	06/16/09	14:50
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R60				

Laboratory Data

SDG I.D.: GAR84597
Phoenix I.D.: AR84599

Client ID: WOOD GROUP 858090616-07 WC-02 (0-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	88		%	06/16/09		M-JL	E160.3
Extraction of CT ETPH	Completed			06/16/09		QS/D	3545
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	11	mg/Kg	06/18/09		JRB	M8100CT
Identification	ND		mg/Kg	06/18/09		JRB	M8100CT
QA/QC Surrogates							
% n-Pentacosane	72		%	06/18/09		JRB	M8100CT

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
June 25, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

June 25, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/16/09	11:15
Location Code:	F&O	Received by:	SW	06/16/09	14:50
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R60				

SDG I.D.: GAR84597
Phoenix I.D.: AR84600

Laboratory Data

Client ID: WOOD GROUP 858090616-08 WC-03 (0-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	73		%	06/16/09		M-JL	E160.3
Extraction of CT ETPH	Completed			06/16/09		QS/D	3545
TPH by GC (Extractable Products)							
Ext. Petroleum HC	51	14	mg/Kg	06/18/09		JRB	M8100CT
Identification	**		mg/Kg	06/18/09		JRB	M8100CT
QA/QC Surrogates							
% n-Pentacosane	74		%	06/18/09		JRB	M8100CT

Comments:

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains a distribution in the C19 to C36 range. The sample was quantitated against a C9-C36 standard.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
June 25, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

June 25, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/16/09	11:20
Location Code:	F&O	Received by:	SW	06/16/09	14:50
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R60				

SDG I.D.: GAR84597
Phoenix I.D.: AR84601

Laboratory Data

Client ID: WOOD GROUP 858090616-09 WC-04 (0-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	91		%	06/16/09		M-JL	E160.3
Extraction of CT ETPH	Completed			06/16/09		QS/D	3545
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	11	mg/Kg	06/18/09		JRB	M8100CT
Identification	ND		mg/Kg	06/18/09		JRB	M8100CT
QA/QC Surrogates							
% n-Pentacosane	84		%	06/18/09		JRB	M8100CT

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
June 25, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 25, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/16/09	11:25
Location Code:	F&O	Received by:	SW	06/16/09	14:50
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R60				

SDG I.D.: GAR84597
Phoenix I.D.: AR84602

Laboratory Data

Client ID: WOOD GROUP 858090616-10 WC-05 (0-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	87		%	06/16/09		M-JL	E160.3
Extraction of CT ETPH	Completed			06/16/09		QS/D	3545
TPH by GC (Extractable Products)							
Ext. Petroleum HC	26	11	mg/Kg	06/18/09		JRB	M8100CT
Identification	**		mg/Kg	06/18/09		JRB	M8100CT
QA/QC Surrogates							
% n-Pentacosane	79		%	06/18/09		JRB	M8100CT

Comments:

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains a distribution in the C19 to C36 range. The sample was quantitated against a C9-C36 standard.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
June 25, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

June 25, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/16/09	11:30
Location Code:	F&O	Received by:	SW	06/16/09	14:50
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R60				

SDG I.D.: GAR84597
Phoenix I.D.: AR84603

Laboratory Data

Client ID: WOOD GROUP 858090616-11 WC-01-05 (0-2')

Parameter	Result	RL	Units	Date	Time	By	Reference	
Arsenic	< 0.8	0.8	mg/Kg	06/20/09		EK	SW6010	
Cadmium	< 0.41	0.41	mg/Kg	06/20/09		TH	SW6010	
Chromium	7.73	0.41	mg/Kg	06/20/09		TH	SW6010	
Mercury	< 0.09	0.09	mg/Kg	06/17/09		RS	SW-7471	
Lead	4.15	0.41	mg/Kg	06/20/09		TH	SW6010	
TCLP Arsenic	< 0.01	0.01	mg/L	06/18/09		EK	E1311/SW6010	
TCLP Cadmium	< 0.005	0.005	mg/L	06/18/09		EK	E1311/SW6010	
TCLP Chromium	< 0.010	0.010	mg/L	06/18/09		EK	E1311/SW6010	
TCLP Mercury	< 0.001	0.001	mg/L	06/17/09		RS	E1311/E245.1	
TCLP Lead	< 0.015	0.015	mg/L	06/18/09		EK	E1311/SW6010	
Percent Solid	87		%	06/16/09		M-JL	E160.3	
Flash Point	>200	200	degree F	06/17/09		EG	SW846 - 1010	
Ignitability	Passed	140	deg F	06/17/09		EG	SW846 - 1010	
pH - Soil	6.93	0.10	PH	06/16/09	23:00	CD	4500-H B/9045	
Reactivity Cyanide	< 5.7	5.7	mg/Kg	06/18/09		K/G	SW 846-7.3	1
Reactivity Sulfide	< 20	20	mg/Kg	06/18/09		K/G	SW846-7.3	1
Reactivity	Negative			06/18/09		K/G	SW 846-7.3	1
Soil Extraction for PCB	Completed			06/16/09		BB/D	SW3545	
Mercury Digestion	Completed			06/17/09		E	SW7471	
TCLP Digestion Mercury	Completed			06/17/09		E	E1311/7470	
TCLP Extraction for Metals	Completed			06/16/09		E	EPA 1311	
Total Metals Digest	Completed			06/16/09		AG/C	SW846 - 3050	
TCLP Metals Digestion	Completed			06/17/09		E	SW846 - 3005	
Polychlorinated Biphenyls								
PCB-1016	ND	380	ug/Kg	06/17/09		MH	SW 8082	
PCB-1221	ND	380	ug/Kg	06/17/09		MH	SW 8082	
PCB-1232	ND	380	ug/Kg	06/17/09		MH	SW 8082	
PCB-1242	ND	380	ug/Kg	06/17/09		MH	SW 8082	
PCB-1248	ND	380	ug/Kg	06/17/09		MH	SW 8082	

Client ID: WOOD GROUP 858090616-11 WC-01-05 (0.2') Phoenix I.D.: AR84603

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB-1254	840	380	ug/Kg	06/17/09		MH	SW 8082
PCB-1260	ND	380	ug/Kg	06/17/09		MH	SW 8082
PCB-1262	ND	380	ug/Kg	06/17/09		MH	SW 8082
PCB-1268	ND	380	ug/Kg	06/17/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	75		%	06/17/09		MH	SW 8082
% TCMX	90		%	06/17/09		MH	SW 8082

I = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above.
The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
June 25, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

July 09, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/16/09	11:40
Location Code:	F&O	Received by:	SW	06/16/09	14:50
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R60				

SDG I.D.: GAR84597
Phoenix I.D.: AR84604

Laboratory Data

Client ID: WOOD GROUP 858090616-12 WC-06_07 (0-1)

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	93		%	06/16/09		M-JL	E160.3
Soil Extraction for PCB	Completed			07/06/09		BB/D	SW3545
Extraction of CT ETPH	Completed			06/16/09		QS/D	3545
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	11	mg/Kg	06/18/09		JRB	CT ETPH
Identification	ND		mg/Kg	06/18/09		JRB	CT ETPH
QA/QC Surrogates							
% n-Pentacosane	75		%	06/18/09		JRB	CT ETPH
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	07/07/09		MH	SW 8082
PCB-1221	ND	360	ug/Kg	07/07/09		MH	SW 8082
PCB-1232	ND	360	ug/Kg	07/07/09		MH	SW 8082
PCB-1242	ND	360	ug/Kg	07/07/09		MH	SW 8082
PCB-1248	670	360	ug/Kg	07/07/09		MH	SW 8082
PCB-1254	ND	360	ug/Kg	07/07/09		MH	SW 8082
PCB-1260	ND	360	ug/Kg	07/07/09		MH	SW 8082
PCB-1262	ND	360	ug/Kg	07/07/09		MH	SW 8082
PCB-1268	ND	360	ug/Kg	07/07/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	93		%	07/07/09		MH	SW 8082
% TCMX	92		%	07/07/09		MH	SW 8082

Client ID: WOOD GROUP 858090616-12 WC-06-07 (0-1) Phoenix I.D.: AR84604

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director

July 09, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

June 25, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/16/09	12:20
Location Code:	F&O	Received by:	SW	06/16/09	14:50
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R60				

SDG I.D.: GAR84597
Phoenix I.D.: AR84605

Laboratory Data

Client ID: WOOD GROUP 858090616-13 WC-08 (0.25-1')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	95		%	06/16/09		M-JL	E160.3
Field Extraction	Completed			06/16/09		FO	SW5035
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
1,1,1-Trichloroethane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
1,1,2-Trichloroethane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
1,1-Dichloroethane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
1,1-Dichloroethene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
1,1-Dichloropropene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
1,2,3-Trichloropropane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
1,2-Dichlorobenzene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
1,2-Dichloroethane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
1,2-Dichloropropane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
1,3-Dichlorobenzene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
1,3-Dichloropropane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
1,4-Dichlorobenzene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
2,2-Dichloropropane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
2-Chlorotoluene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
2-Hexanone	ND	29	ug/Kg	06/19/09		R/J	SW8260
2-Isopropyltoluene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
4-Chlorotoluene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
4-Methyl-2-pentanone	ND	29	ug/Kg	06/19/09		R/J	SW8260
Acetone	ND	120	ug/Kg	06/19/09		R/J	SW8260

Client ID: WOOD GROUP 858090616-13 WC-08 (0.25-1) Phoenix I.D.: AR84605

Parameter	Result	RL	Units	Date	Time	By	Reference
Acrylonitrile	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Benzene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Bromobenzene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Bromochloromethane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Bromodichloromethane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Bromoform	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Bromomethane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Carbon Disulfide	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Carbon tetrachloride	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Chlorobenzene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Chloroethane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Chloroform	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Chloromethane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Dibromochloromethane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Dibromoethane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Dibromomethane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Dichlorodifluoromethane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Ethylbenzene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Hexachlorobutadiene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Isopropylbenzene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
m&p-Xylene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Methyl Ethyl Ketone	ND	35	ug/Kg	06/19/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	06/19/09		R/J	SW8260
Methylene chloride	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Naphthalene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
n-Butylbenzene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
n-Propylbenzene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
o-Xylene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
p-Isopropyltoluene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
sec-Butylbenzene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Styrene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
tert-Butylbenzene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Tetrachloroethene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	12	ug/Kg	06/19/09		R/J	SW8260
Toluene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Total Xylenes	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	06/19/09		R/J	SW8260
Trichloroethene	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Trichlorofluoromethane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Trichlorotrifluoroethane	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
Vinyl chloride	ND	5.8	ug/Kg	06/19/09		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	06/19/09		R/J	SW8260
% Bromofluorobenzene	90		%	06/19/09		R/J	SW8260
% Dibromofluoromethane	96		%	06/19/09		R/J	SW8260
% Toluene-d8	98		%	06/19/09		R/J	SW8260

Client ID: WOOD GROUP 858090616-13 WC-08 (0.25-1') Phoenix I.D.: AR84605

Parameter	Result	RL	Units	Date	Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director

June 25, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

July 09, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/16/09	12:25
Location Code:	F&O	Received by:	SW	06/16/09	14:50
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R60				

SDG I.D.: GAR84597
Phoenix I.D.: AR84606

Laboratory Data

Client ID: WOOD GROUP 858090616-14 WC-08 (0.25-1)

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	96		%	06/16/09		M-JL	E160.3
Soil Extraction for PCB	Completed			07/06/09		BB/D	SW3545
Extraction of CT ETPH	Completed			06/16/09		QS/D	3545
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	06/19/09		JRB	CT ETPH
Identification	ND		mg/Kg	06/19/09		JRB	CT ETPH
QA/QC Surrogates							
% n-Pentacosane	60		%	06/19/09		JRB	CT ETPH
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	07/07/09		MH	SW 8082
PCB-1221	ND	340	ug/Kg	07/07/09		MH	SW 8082
PCB-1232	ND	340	ug/Kg	07/07/09		MH	SW 8082
PCB-1242	ND	340	ug/Kg	07/07/09		MH	SW 8082
PCB-1248	ND	340	ug/Kg	07/07/09		MH	SW 8082
PCB-1254	ND	340	ug/Kg	07/07/09		MH	SW 8082
PCB-1260	ND	340	ug/Kg	07/07/09		MH	SW 8082
PCB-1262	ND	340	ug/Kg	07/07/09		MH	SW 8082
PCB-1268	ND	340	ug/Kg	07/07/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	99		%	07/07/09		MH	SW 8082
% TCMX	96		%	07/07/09		MH	SW 8082

WC-06 (0.25-1)

Client ID: WOOD GROUP 858090616-14 Phoenix I.D.: AR84606

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
July 09, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

July 09, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/16/09	13:15
Location Code:	F&O	Received by:	SW	06/16/09	14:50
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R60				

SDG I.D.: GAR84597
Phoenix I.D.: AR84607

Laboratory Data

Client ID: WOOD GROUP 858090616-15 WC-09 (0.25-1')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	92		%	06/16/09		M-JL	E160.3
Soil Extraction for PCB	Completed			07/06/09		BB/D	SW3545
Extraction of CT ETPH	Completed			06/16/09		QS/D	3545
TPH by GC (Extractable Products)							
Ext. Petroleum HC	2100	110	mg/Kg	06/19/09		JRB	CT ETPH
Identification	**		mg/Kg	06/19/09		JRB	CT ETPH
QA/QC Surrogates							
% n-Pentacosane	Diluted Out		%	06/19/09		JRB	CT ETPH
Polychlorinated Biphenyls							
PCB-1016	ND	3600000	ug/Kg	07/09/09		MH	SW 8082
PCB-1221	ND	3600000	ug/Kg	07/09/09		MH	SW 8082
PCB-1232	ND	3600000	ug/Kg	07/09/09		MH	SW 8082
PCB-1242	ND	3600000	ug/Kg	07/09/09		MH	SW 8082
PCB-1248	ND	3600000	ug/Kg	07/09/09		MH	SW 8082
PCB-1254	15000000	3600000	ug/Kg	07/09/09		MH	SW 8082
PCB-1260	ND	3600000	ug/Kg	07/09/09		MH	SW 8082
PCB-1262	ND	3600000	ug/Kg	07/09/09		MH	SW 8082
PCB-1268	ND	3600000	ug/Kg	07/09/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	07/09/09		MH	SW 8082
% TCMX	Diluted Out		%	07/09/09		MH	SW 8082

Client ID: WOOD GROUP 858090616-15 WC-09 (0.25-1) Phoenix I.D.: AR84607

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains a distribution in the C16 to C24 range. The sample was quantitated against a C9-C36 standard.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
July 09, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

July 09, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/16/09	13:20
Location Code:	F&O	Received by:	SW	06/16/09	14:50
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R60				

SDG I.D.: GAR84597
Phoenix I.D.: AR84608

Laboratory Data

Client ID: WOOD GROUP 858090616-16 WC-10 (0.25-1')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	94		%	06/16/09		M-JL	E160.3
Soil Extraction for PCB	Completed			07/06/09		BB/D	SW3545
Extraction of CT ETPH	Completed			06/16/09		QS/D	3545
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	06/18/09		JRB	CT ETPH
Identification	ND		mg/Kg	06/18/09		JRB	CT ETPH
QA/QC Surrogates							
% n-Pentacosane	69		%	06/18/09		JRB	CT ETPH
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	07/08/09		MH	SW 8082
PCB-1221	ND	350	ug/Kg	07/08/09		MH	SW 8082
PCB-1232	ND	350	ug/Kg	07/08/09		MH	SW 8082
PCB-1242	ND	350	ug/Kg	07/08/09		MH	SW 8082
PCB-1248	ND	350	ug/Kg	07/08/09		MH	SW 8082
PCB-1254	1400	350	ug/Kg	07/08/09		MH	SW 8082
PCB-1260	ND	350	ug/Kg	07/08/09		MH	SW 8082
PCB-1262	ND	350	ug/Kg	07/08/09		MH	SW 8082
PCB-1268	ND	350	ug/Kg	07/08/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	125		%	07/08/09		MH	SW 8082
% TCMX	100		%	07/08/09		MH	SW 8082

Client ID: WOOD GROUP 858090616-16 WC-10 (0.25-1) Phoenix I.D.: AR84608

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director

July 09, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

July 09, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/16/09	13:30
Location Code:	F&O	Received by:	SW	06/16/09	14:50
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R60				

SDG I.D.: GAR84597
Phoenix I.D.: AR84609

Laboratory Data

Client ID: WOOD GROUP 858090616-17 WC-11 (0.25-1')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	93		%	06/16/09		M-JL	E160.3
Soil Extraction for PCB	Completed			07/06/09		BB/D	SW3545
Extraction of CT ETPH	Completed			06/16/09		QS/D	3545
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	11	mg/Kg	06/18/09		JRB	CT ETPH
Identification	ND		mg/Kg	06/18/09		JRB	CT ETPH
QA/QC Surrogates							
% n-Pentacosane	71		%	06/18/09		JRB	CT ETPH
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	07/08/09		MH	SW 8082
PCB-1221	ND	350	ug/Kg	07/08/09		MH	SW 8082
PCB-1232	ND	350	ug/Kg	07/08/09		MH	SW 8082
PCB-1242	ND	350	ug/Kg	07/08/09		MH	SW 8082
PCB-1248	ND	350	ug/Kg	07/08/09		MH	SW 8082
PCB-1254	600	350	ug/Kg	07/08/09		MH	SW 8082
PCB-1260	ND	350	ug/Kg	07/08/09		MH	SW 8082
PCB-1262	ND	350	ug/Kg	07/08/09		MH	SW 8082
PCB-1268	ND	350	ug/Kg	07/08/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	97		%	07/08/09		MH	SW 8082
% TCMX	93		%	07/08/09		MH	SW 8082

Client ID: WOOD GROUP 858090616-17 WC-11 (0.25-1') Phoenix I.D.: AR84609

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director

July 09, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 09, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/16/09	13:40
Location Code:	F&O	Received by:	SW	06/16/09	14:50
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R60				

SDG I.D.: GAR84597
Phoenix I.D.: AR84610

Laboratory Data

Client ID: WOOD GROUP 858090616-18 WC-06-11 (0-1)

Parameter	Result	RL	Units	Date	Time	By	Reference	
Arsenic	< 0.8	0.8	mg/Kg	06/20/09		EK	SW6010	
Cadmium	< 0.38	0.38	mg/Kg	06/20/09		TH	SW6010	
Chromium	6.09	0.38	mg/Kg	06/20/09		TH	SW6010	
Mercury	< 0.07	0.07	mg/Kg	06/17/09		RS	SW-7471	
Lead	5.19	0.38	mg/Kg	06/20/09		TH	SW6010	
TCLP Arsenic	0.01	0.01	mg/L	06/25/09		EK	E1311/SW6010	
TCLP Cadmium	0.019	0.005	mg/L	06/25/09		LK	E1311/SW6010	
TCLP Chromium	< 0.010	0.010	mg/L	06/25/09		LK	E1311/SW6010	
TCLP Mercury	< 0.001	0.001	mg/L	06/17/09		RS	E1311/E245.1	
TCLP Lead	< 0.015	0.015	mg/L	06/25/09		LK	E1311/SW6010	
Percent Solid	92		%	06/16/09		M-JL	E160.3	
Flash Point	>200	200	degree F	06/17/09		EG	SW846 - 1010	
Ignitability	Passed	140	deg F	06/17/09		EG	SW846 - 1010	
pH - Soil	8.03	0.10	PH	06/16/09	23:00	CD	4500-H B/9045	
Reactivity Cyanide	< 5.4	5.4	mg/Kg	06/18/09		K/G	SW 846-7.3	1
Reactivity Sulfide	< 20	20	mg/Kg	06/18/09		K/G	SW846-7.3	1
Reactivity	Negative			06/18/09		K/G	SW 846-7.3	1
Soil Extraction for PCB	Completed			07/06/09		BB/D	SW3545	
Mercury Digestion	Completed			06/17/09		E	SW7471	
TCLP Digestion Mercury	Completed			06/17/09		E	E1311/7470	
TCLP Extraction for Metals	Completed			06/16/09		E	EPA 1311	
Total Metals Digest	Completed			06/16/09		AG/C	SW846 - 3050	
TCLP Metals Digestion	Completed			06/17/09		E	SW846 - 3005	
Polychlorinated Biphenyls								
PCB-1016	ND	180000	ug/Kg	07/09/09		MH	SW 8082	
PCB-1221	ND	180000	ug/Kg	07/09/09		MH	SW 8082	
PCB-1232	ND	180000	ug/Kg	07/09/09		MH	SW 8082	
PCB-1242	ND	180000	ug/Kg	07/09/09		MH	SW 8082	
PCB-1248	ND	180000	ug/Kg	07/09/09		MH	SW 8082	

Client ID: WOOD GROUP 858090616-18 WC-06-11 (0-1') Phoenix I.D.: AR84610

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB-1254	560000	180000	ug/Kg	07/09/09		MH	SW 8082
PCB-1260	ND	180000	ug/Kg	07/09/09		MH	SW 8082
PCB-1262	ND	180000	ug/Kg	07/09/09		MH	SW 8082
PCB-1268	ND	180000	ug/Kg	07/09/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	07/09/09		MH	SW 8082
% TCMX	Diluted Out		%	07/09/09		MH	SW 8082

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above.
The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
July 09, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

June 25, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/16/09	13:41
Location Code:	F&O	Received by:	SW	06/16/09	14:50
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R60				

SDG I.D.: GAR84597
Phoenix I.D.: AR84611

Laboratory Data

Client ID: WOOD GROUP 858090616-19 Trip Blank - high

Parameter	Result	RL	Units	Date	Time	By	Reference	
Percent Solid	100	1	%	06/16/09		SW	E160.3	
Field Extraction	Completed			06/16/09		FO	SW5035	1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg	06/19/09		R/J	SW8260	
1,1,1-Trichloroethane	ND	250	ug/Kg	06/19/09		R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	06/19/09		R/J	SW8260	
1,1,2-Trichloroethane	ND	250	ug/Kg	06/19/09		R/J	SW8260	
1,1-Dichloroethane	ND	250	ug/Kg	06/19/09		R/J	SW8260	
1,1-Dichloroethene	ND	250	ug/Kg	06/19/09		R/J	SW8260	
1,1-Dichloropropene	ND	250	ug/Kg	06/19/09		R/J	SW8260	
1,2,3-Trichlorobenzene	ND	250	ug/Kg	06/19/09		R/J	SW8260	
1,2,3-Trichloropropane	ND	250	ug/Kg	06/19/09		R/J	SW8260	
1,2,4-Trichlorobenzene	ND	250	ug/Kg	06/19/09		R/J	SW8260	
1,2,4-Trimethylbenzene	ND	250	ug/Kg	06/19/09		R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	250	ug/Kg	06/19/09		R/J	SW8260	
1,2-Dichlorobenzene	ND	250	ug/Kg	06/19/09		R/J	SW8260	
1,2-Dichloroethane	ND	250	ug/Kg	06/19/09		R/J	SW8260	
1,2-Dichloropropane	ND	250	ug/Kg	06/19/09		R/J	SW8260	
1,3,5-Trimethylbenzene	ND	250	ug/Kg	06/19/09		R/J	SW8260	
1,3-Dichlorobenzene	ND	250	ug/Kg	06/19/09		R/J	SW8260	
1,3-Dichloropropane	ND	250	ug/Kg	06/19/09		R/J	SW8260	
1,4-Dichlorobenzene	ND	250	ug/Kg	06/19/09		R/J	SW8260	
2,2-Dichloropropane	ND	250	ug/Kg	06/19/09		R/J	SW8260	
2-Chlorotoluene	ND	250	ug/Kg	06/19/09		R/J	SW8260	
2-Hexanone	ND	1200	ug/Kg	06/19/09		R/J	SW8260	
2-Isopropyltoluene	ND	250	ug/Kg	06/19/09		R/J	SW8260	
4-Chlorotoluene	ND	250	ug/Kg	06/19/09		R/J	SW8260	
4-Methyl-2-pentanone	ND	1200	ug/Kg	06/19/09		R/J	SW8260	
Acetone	ND	5000	ug/Kg	06/19/09		R/J	SW8260	

Client ID: WOOD GROUP 858090616-19 Trip Blank-high Phoenix I.D.: AR84611

Parameter	Result	RL	Units	Date	Time	By	Reference
Acrylonitrile	ND	500	ug/Kg	06/19/09		R/J	SW8260
Benzene	ND	250	ug/Kg	06/19/09		R/J	SW8260
Bromobenzene	ND	250	ug/Kg	06/19/09		R/J	SW8260
Bromochloromethane	ND	250	ug/Kg	06/19/09		R/J	SW8260
Bromodichloromethane	ND	250	ug/Kg	06/19/09		R/J	SW8260
Bromoform	ND	250	ug/Kg	06/19/09		R/J	SW8260
Bromomethane	ND	250	ug/Kg	06/19/09		R/J	SW8260
Carbon Disulfide	ND	250	ug/Kg	06/19/09		R/J	SW8260
Carbon tetrachloride	ND	250	ug/Kg	06/19/09		R/J	SW8260
Chlorobenzene	ND	250	ug/Kg	06/19/09		R/J	SW8260
Chloroethane	ND	250	ug/Kg	06/19/09		R/J	SW8260
Chloroform	ND	250	ug/Kg	06/19/09		R/J	SW8260
Chloromethane	ND	250	ug/Kg	06/19/09		R/J	SW8260
cis-1,2-Dichloroethene	ND	250	ug/Kg	06/19/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	250	ug/Kg	06/19/09		R/J	SW8260
Dibromochloromethane	ND	250	ug/Kg	06/19/09		R/J	SW8260
Dibromoethane	ND	250	ug/Kg	06/19/09		R/J	SW8260
Dibromomethane	ND	250	ug/Kg	06/19/09		R/J	SW8260
Dichlorodifluoromethane	ND	250	ug/Kg	06/19/09		R/J	SW8260
Ethylbenzene	ND	250	ug/Kg	06/19/09		R/J	SW8260
Hexachlorobutadiene	ND	250	ug/Kg	06/19/09		R/J	SW8260
Isopropylbenzene	ND	250	ug/Kg	06/19/09		R/J	SW8260
m&p-Xylene	ND	250	ug/Kg	06/19/09		R/J	SW8260
Methyl Ethyl Ketone	ND	3000	ug/Kg	06/19/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	250	ug/Kg	06/19/09		R/J	SW8260
Methylene chloride	ND	500	ug/Kg	06/19/09		R/J	SW8260
Naphthalene	ND	250	ug/Kg	06/19/09		R/J	SW8260
n-Butylbenzene	ND	250	ug/Kg	06/19/09		R/J	SW8260
n-Propylbenzene	ND	250	ug/Kg	06/19/09		R/J	SW8260
o-Xylene	ND	250	ug/Kg	06/19/09		R/J	SW8260
p-Isopropyltoluene	ND	250	ug/Kg	06/19/09		R/J	SW8260
sec-Butylbenzene	ND	250	ug/Kg	06/19/09		R/J	SW8260
Styrene	ND	250	ug/Kg	06/19/09		R/J	SW8260
tert-Butylbenzene	ND	250	ug/Kg	06/19/09		R/J	SW8260
Tetrachloroethene	ND	250	ug/Kg	06/19/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	500	ug/Kg	06/19/09		R/J	SW8260
Toluene	ND	250	ug/Kg	06/19/09		R/J	SW8260
Total Xylenes	ND	250	ug/Kg	06/19/09		R/J	SW8260
trans-1,2-Dichloroethene	ND	250	ug/Kg	06/19/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	250	ug/Kg	06/19/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	500	ug/Kg	06/19/09		R/J	SW8260
Trichloroethene	ND	250	ug/Kg	06/19/09		R/J	SW8260
Trichlorofluoromethane	ND	250	ug/Kg	06/19/09		R/J	SW8260
Trichlorotrifluoroethane	ND	250	ug/Kg	06/19/09		R/J	SW8260
Vinyl chloride	ND	250	ug/Kg	06/19/09		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	06/19/09		R/J	SW8260
% Bromofluorobenzene	101		%	06/19/09		R/J	SW8260
% Dibromofluoromethane	98		%	06/19/09		R/J	SW8260
% Toluene-d8	100		%	06/19/09		R/J	SW8260

Client ID: WOOD GROUP 858090616-19 Trip Blank-high Phoenix I.D.: AR84611

Parameter	Result	RL	Units	Date	Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

Trip blank included. %solids assumed 100%

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
June 25, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

June 25, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/16/09	13:42
Location Code:	F&O	Received by:	SW	06/16/09	14:50
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R60				

SDG I.D.: GAR84597
Phoenix I.D.: AR84612

Laboratory Data

Client ID: WOOD GROUP 858090616-20 Trip Blank - low

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	06/16/09		SW	E160.3
Field Extraction	Completed			06/16/09		FO	SW5035
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
1,1,1-Trichloroethane	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
1,1,2-Trichloroethane	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
1,1-Dichloroethane	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
1,1-Dichloroethene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
1,1-Dichloropropene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
1,2,3-Trichloropropane	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
1,2-Dichlorobenzene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
1,2-Dichloroethane	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
1,2-Dichloropropane	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
1,3-Dichlorobenzene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
1,3-Dichloropropane	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
1,4-Dichlorobenzene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
2,2-Dichloropropane	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
2-Chlorotoluene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
2-Hexanone	ND	25	ug/Kg	06/19/09		R/J	SW8260
2-Isopropyltoluene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
4-Chlorotoluene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
4-Methyl-2-pentanone	ND	25	ug/Kg	06/19/09		R/J	SW8260
Acetone	ND	100	ug/Kg	06/19/09		R/J	SW8260

Trip Blank-low

Client ID: WOOD GROUP 858090616-20 Phoenix I.D.: AR84612

Parameter	Result	RL	Units	Date	Time	By	Reference
Acrylonitrile	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Benzene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Bromobenzene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Bromochloromethane	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Bromodichloromethane	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Bromoform	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Bromomethane	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Carbon tetrachloride	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Chlorobenzene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Chloroethane	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Chloroform	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Chloromethane	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Dibromochloromethane	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Dibromoethane	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Dibromomethane	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Dichlorodifluoromethane	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Ethylbenzene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Hexachlorobutadiene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Isopropylbenzene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
m&p-Xylene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Methyl Ethyl Ketone	ND	30	ug/Kg	06/19/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	06/19/09		R/J	SW8260
Methylene chloride	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Naphthalene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
n-Butylbenzene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
n-Propylbenzene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
o-Xylene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
p-Isopropyltoluene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
sec-Butylbenzene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Styrene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
tert-Butylbenzene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Tetrachloroethene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	06/19/09		R/J	SW8260
Toluene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Total Xylenes	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	06/19/09		R/J	SW8260
Trichloroethene	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Trichlorofluoromethane	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
Trichlorotrifluoroethane	ND	10	ug/Kg	06/19/09		R/J	SW8260
Vinyl chloride	ND	5.0	ug/Kg	06/19/09		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	06/19/09		R/J	SW8260
% Bromofluorobenzene	93		%	06/19/09		R/J	SW8260
% Dibromofluoromethane	99		%	06/19/09		R/J	SW8260
% Toluene-d8	100		%	06/19/09		R/J	SW8260

Trip Blank-(ow)

Client ID: WOOD GROUP 858090616-20 Phoenix I.D.: AR84612

Parameter	Result	RL	Units	Date	Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

Trip blank included. %solids assumed 100%

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director

June 25, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

QA/QC Report

June 25, 2009

QA/QC Data

SDG I.D.: GAR84597

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	
QA/QC Batch 129346, QC Sample No: AR84142 (AR84603, AR84610)									
ICP Metals - Aqueous Extraction									
Arsenic	BDL	NC	112	112	0.0	>130	>130	NC	3
Cadmium	BDL	NC	109	108	0.9	>130	>130	NC	3
Chromium	BDL	41.7	106	105	0.9	126	>130	NC	3
Lead	BDL	36.3	98.3	98.0	0.3	NC	NC	NC	
QA/QC Batch 129423, QC Sample No: AR84594 (AR84603, AR84610)									
ICP Metals - Soil									
Arsenic	BDL	NC	96.2	100	3.9	84.9	83.4	1.8	
Cadmium	BDL	NC	91.6	96.1	4.8	86.7	86.7	0.0	
Chromium	BDL	3.80	102	108	5.7	93.1	93.3	0.2	
Lead	BDL	9.00	97.1	103	5.9	89.5	87.5	2.3	
QA/QC Batch 129461, QC Sample No: AR84700 (AR84603, AR84610)									
Mercury	BDL	NC	94.9	102	7.2	99.8	95.5	4.4	
QA/QC Batch 129462, QC Sample No: AR84703 (AR84603, AR84610)									
Mercury	BDL	NC	105	94.7	10.3	98.5	92.0	6.8	

3 = This parameter is outside laboratory ms/msd specified limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
June 25, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

QA/QC Report

June 25, 2009

QA/QC Data

SDG I.D.: GAR84597

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 129368, QC Sample No: AR82027 (AR84603, AR84610)								
Flash Point		NC	Passed					
QA/QC Batch 129543, QC Sample No: AR84603 (AR84603, AR84610)								
Reactivity Cyanide	BDL	NC	101					

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
June 25, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

QA/QC Report

June 25, 2009

QA/QC Data

SDG I.D.: GAR84597

QA/QC Batch 129671, QC Sample No: AR84464 (AR84597, AR84605)

Volatiles

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	
1,1,1,2-Tetrachloroethane	ND	116	115	0.9	114	121	6.0	
1,1,1-Trichloroethane	ND	108	107	0.9	109	110	0.9	
1,1,2,2-Tetrachloroethane	ND	80	73	9.2	62	82	27.8	3
1,1,2-Trichloroethane	ND	107	113	5.5	111	109	1.8	
1,1-Dichloroethane	ND	109	111	1.8	108	108	0.0	
1,1-Dichloroethene	ND	107	107	0.0	107	108	0.9	
1,1-Dichloropropene	ND	113	113	0.0	113	116	2.6	
1,2,3-Trichlorobenzene	ND	94	103	9.1	82	93	12.6	
1,2,3-Trichloropropane	ND	118	>130	NC	118	117	0.9	
1,2,4-Trichlorobenzene	ND	80	87	8.4	76	84	10.0	
1,2,4-Trimethylbenzene	ND	111	109	1.8	103	114	10.1	
1,2-Dibromo-3-chloropropane	ND	95	118	21.6	106	108	1.9	
1,2-Dichlorobenzene	ND	103	107	3.8	100	108	7.7	
1,2-Dichloroethane	ND	102	109	6.6	108	106	1.9	
1,2-Dichloropropane	ND	112	114	1.8	114	108	5.4	
1,3,5-Trimethylbenzene	ND	112	111	0.9	105	116	10.0	
1,3-Dichlorobenzene	ND	99	105	5.9	95	104	9.0	
1,3-Dichloropropane	ND	115	112	2.6	113	119	5.2	
1,4-Dichlorobenzene	ND	99	99	0.0	93	100	7.3	
2,2-Dichloropropane	ND	91	90	1.1	86	87	1.2	
2-Chlorotoluene	ND	110	107	2.8	103	113	9.3	
2-Hexanone	ND	79	91	14.1	89	84	5.8	
2-Isopropyltoluene	ND	116	113	2.6	108	118	8.8	
4-Chlorotoluene	ND	106	104	1.9	98	101	3.0	
4-Methyl-2-pentanone	ND	96	109	12.7	109	100	8.6	
Acetone	ND	84	105	22.2	94	82	13.6	
Acrylonitrile	ND	101	111	9.4	108	100	7.7	
Benzene	ND	111	111	0.0	110	112	1.8	
Bromobenzene	ND	114	112	1.8	102	115	12.0	
Bromochloromethane	ND	113	116	2.6	116	110	5.3	
Bromodichloromethane	ND	112	119	6.1	113	114	0.9	
Bromoform	ND	107	118	9.8	117	119	1.7	
Bromomethane	ND	103	116	11.9	112	100	11.3	
Carbon Disulfide	ND	102	102	0.0	91	94	3.2	
Carbon tetrachloride	ND	109	108	0.9	109	107	1.9	
Chlorobenzene	ND	111	110	0.9	109	113	3.6	
Chloroethane	ND	100	98	2.0	95	97	2.1	
Chloroform	ND	109	110	0.9	108	110	1.8	

QA/QC Data

SDG I.D.: GAR84597

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	
Chloromethane	ND	102	95	7.1	85	91	6.8	
cis-1,2-Dichloroethene	ND	115	112	2.6	109	112	2.7	
cis-1,3-Dichloropropene	ND	99	103	4.0	101	102	1.0	
Dibromochloromethane	ND	112	115	2.6	113	118	4.3	
Dibromoethane	ND	104	115	10.0	115	107	7.2	
Dibromomethane	ND	109	113	3.6	114	110	3.6	
Dichlorodifluoromethane	ND	93	95	2.1	77	76	1.3	
Ethylbenzene	ND	114	111	2.7	106	113	6.4	
Hexachlorobutadiene	ND	123	121	1.6	111	121	8.6	
Isopropylbenzene	ND	111	108	2.7	96	120	22.2	
m&p-Xylene	ND	114	112	1.8	109	116	6.2	
Methyl ethyl ketone	ND	88	98	10.8	<30	95	NC	
Methyl t-butyl ether (MTBE)	ND	109	117	7.1	117	113	3.5	
Methylene chloride	ND	121	127	4.8	102	98	4.0	
Naphthalene	ND	95	114	18.2	98	111	12.4	
n-Butylbenzene	ND	107	105	1.9	93	107	14.0	
n-Propylbenzene	ND	112	110	1.8	103	115	11.0	
o-Xylene	ND	114	115	0.9	109	114	4.5	
p-Isopropyltoluene	ND	117	112	4.4	102	113	10.2	
sec-Butylbenzene	ND	118	115	2.6	112	122	8.5	
Styrene	ND	113	113	0.0	112	114	1.8	
tert-Butylbenzene	ND	122	119	2.5	115	125	8.3	
Tetrachloroethene	ND	119	112	6.1	108	117	8.0	
Tetrahydrofuran (THF)	ND	97	106	8.9	98	97	1.0	
Toluene	ND	108	112	3.6	111	111	0.0	
trans-1,2-Dichloroethene	ND	111	107	3.7	107	110	2.8	
trans-1,3-Dichloropropene	ND	94	102	8.2	101	95	6.1	
trans-1,4-dichloro-2-butene	ND	83	93	11.4	83	82	1.2	
Trichloroethene	ND	126	>130	NC	144	132	8.7	3
Trichlorofluoromethane	ND	115	111	3.5	102	103	1.0	
Trichlorotrifluoroethane	ND	117	117	0.0	113	111	1.8	
Vinyl chloride	ND	103	100	3.0	93	95	2.1	
% 1,2-dichlorobenzene-d4	99	98	99	1.0	97	102	5.0	
% Bromofluorobenzene	91	95	96	1.0	92	95	3.2	
% Dibromofluoromethane	85	97	99	2.0	93	94	1.1	
% Toluene-d8	98	99	99	0.0	101	95	6.1	

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 129419, QC Sample No: AR84606 (AR84598, AR84599, AR84600, AR84601, AR84602, AR84604, AR84606, AR84607, AR84608, AR84609)

TPH by GC (Extractable Products)

Ext. Petroleum HC	ND	74	62	17.6	62	68	9.2
% n-Pentacosane	37	73	61	17.9	61	66	7.9

QA/QC Batch 129417, QC Sample No: AR84703 (AR84603, AR84610)

Polychlorinated Biphenyls

PCB-1016	ND	93	96	3.2	119	113	5.2
PCB-1221	ND						
PCB-1232	ND						

QA/QC Data

SDG I.D.: GAR84597

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	85	90	5.7	117	111	5.3
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	82	75	78	3.9	101	96	5.1
% TCMX (Surrogate Rec)	85	70	69	1.4	85	80	6.1

3 = This parameter is outside laboratory ms/msd specified limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
June 25, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

QA/QC Report

July 09, 2009

QA/QC Data

SDG I.D.: GAR84597

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 129419, QC Sample No: AR84606 (AR84604, AR84606, AR84607, AR84608, AR84609)							
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	74	62	17.6	62	68	9.2
% n-Pentacosane	37	73	61	17.9	61	66	7.9
QA/QC Batch 129417, QC Sample No: AR84703 (AR84610)							
Polychlorinated Biphenyls							
PCB-1016	ND	93	96	3.2	119	113	5.2
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	85	90	5.7	117	111	5.3
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	82	75	78	3.9	101	96	5.1
% TCMX (Surrogate Rec)	85	70	69	1.4	85	80	6.1
QA/QC Batch 130546, QC Sample No: AR90385 (AR84604, AR84606, AR84607, AR84608, AR84609)							
Polychlorinated Biphenyls							
PCB-1016	ND	99	112	12.3	91	86	5.6
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	99	110	10.5	102	92	10.3
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	88	72	78	8.0	74	74	0.0
% TCMX (Surrogate Rec)	91	78	82	5.0	72	73	1.4

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
July 09, 2009

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** F&O

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): AR84597, AR84598, AR84599, AR84600, AR84601, AR84602, AR84603, AR84604, AR84605, AR84606, AR84607, AR84608, AR84609, AR84610, AR84611, AR84612

Sampling Date(s): 6/16/2009

RCP Methods Used:

☑ 1311/1312	☑ 6010	☐ 7000	☐ 7196	☑ 7470/7471	☐ 8081	☐ EPH
☑ 8082	☐ 8151	☑ 8260	☐ 8270	☑ ETPH	☐ 9010/9012	☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific QC samples included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence"

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Phyllis Shiller

Date: Thursday, July 09, 2009

Printed Name: Phyllis Shiller

Position: Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

RCP Certification Report

July 09, 2009

SDG I.D.: GAR84597

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-fid1 06/18/09-2 (AR84604, AR84608, AR84609)

Initial Calibration (AUFID-1-041609) - The initial calibration curve had a %RSD less than 30%, which is within method criteria.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: There were no outliers.

Printed Name Jeff Bucko
Position: Chemist
Date: 6/18/2009

QC (Site Specific)

All LCS recoveries were within 50 - 150 with the following exceptions: None.

All LCSD recoveries were within 50 - 150 with the following exceptions: None.

All MS recoveries were within 50 - 150 with the following exceptions: None.

All MSD recoveries were within 50 - 150 with the following exceptions: None.
A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

Mercury Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Merlin 06/17/09-1 (AR84610)

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name Rick Schweitzer
Position: Chemist
Date: 6/17/2009

QC (Batch Specific)

All LCS recoveries were within 80 - 120 with the following exceptions: None.

All LCSD recoveries were within 80 - 120 with the following exceptions: None.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

RCP Certification Report

July 09, 2009

SDG I.D.: GAR84597

ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Icp7 06/18/09-1 (AR84610)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Emily Kolominskaya
Position: Chemist
Date: 6/18/2009

Instrument: Icp7 06/19/09-1 (AR84610)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Tina Hall
Position: Chemist
Date: 6/19/2009

Instrument: Icp7 06/24/09-1 (AR84610)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Emily Kolominskaya
Position: Chemist
Date: 6/24/2009

QC (Batch Specific)

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 06/18/09-1 (AR84610)

8082 Narration:

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

RCP Certification Report

July 09, 2009

SDG I.D.: GAR84597

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 6/18/2009

Instrument: Au-ecd1 07/08/09-1 (AR84608, AR84609)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 7/8/2009

Instrument: Au-ecd4 07/08/09-1 (AR84608, AR84609)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 7/8/2009

Instrument: Au-ecd7 07/07/09-1 (AR84604, AR84606)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 7/7/2009

Instrument: Au-ecd8 06/18/09-1 (AR84610)

8082 Narration:

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

July 09, 2009

SDG I.D.: GAR84597

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 6/18/2009

Instrument: Au-ecd8 07/07/09-1 (AR84604, AR84606)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 7/7/2009

QC (Batch Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

WASTE CHARACTERIZATION 1/2
6°

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- [x] 146 Hartford Road, Manchester, CT 06040
- [ ] 56 Quarry Road, Trumbull, CT 06611
- [ ] 1419 Richland Street, Columbia, SC 29201
- [ ] 78 Interstate Drive, West Springfield, MA 01089
- [ ] 610 Lynnfalc Court, Suite E, Greenville, NC 27858
- [ ] 24 Madison Avenue Extension, Albany, NY 12203
- [ ] 275 Promenade Street, Suite 350, Providence, RI 02908
- [ ] 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- [ ] Other _____

CHAIN-OF-CUSTODY RECORD 18843

Turnaround
- [ ] 1 Day*
- [ ] 2 Days*
- [ ] 3 Days*
- [x] Standard (5 days)
- [ ] Other _____ (days)

*Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Wood Group	Windsor Locks, CT	20051184 R60	Phoenix

Report To: Kevin Vandeweer (F&O)
Invoice To: ↓
P.O. No.:
Sampler's Signature: [signature] Date: 6/16/09

Source Codes:
MW=Monitoring Well ~~PW=Potable Water~~ S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other TRIP BLANK

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	ETPH	VOCs (8260)	Flashpoint	pH Reactivity (Sulfide + Cyanide)	PCBs	Metals (total & TCLP) As, Cd, Cr, Hg, Pb	Soil VOA Vial, [✓] methanol	Soil VOA Vial, [✓] water [ ] NaSO4	Glass Soil Container (4) oz	Glass Soil Container (8) oz	Other	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H2SO4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H2SO4, [ ] 250 ml [ ] 500 ml	Plastic - HNO3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
					858090616-05	S	6/16/09	1100		X					1	2										84597
					-06			1105	X								1									84598
					-07			1110	X								1									84599
					-08			1115	X								1									84600
					-09			1120	X								1									84601
					-10			1125	X								1									84602
					-11			1130			X	X	X	X				2								84603
					-12			1140	X								1									84604
					-13			1220		X					1	2										84605
					-14			1225	X								1									84606

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	M Powell	6/16/09	14:50
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments:

WASTE CHARACTERIZATION 2/2

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- [x] 146 Hartford Road, Manchester, CT 06040
- [ ] 56 Quarry Road, Trumbull, CT 06611
- [ ] 1419 Richland Street, Columbia, SC 29201
- [ ] 78 Interstate Drive, West Springfield, MA 01089
- [ ] 610 Lynndale Court, Suite E, Greenville, NC 27858
- [ ] 24 Madison Avenue Extension, Albany, NY 12203
- [ ] 275 Promenade Street, Suite 350, Providence, RI 02908
- [ ] 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- [ ] Other _____

CHAIN-OF-CUSTODY RECORD 18844

Turnaround
- [ ] 1 Day*
- [ ] 2 Days*
- [ ] 3 Days*
- [x] Standard (5 days)
- [ ] Other _____ (days)

*Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Wood Group	Windsor Locks, CT	20051184.R60	Phoenix

Report To: Kevin Vandenveer (F&O)

Invoice To: ↓

P.O. No.:

Sampler's Signature: [signature] Date: 6/16/09

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air

X=Other TRIP BLANK

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	ETPH	VOCs (8260)	Flashpoint	pH, Reactivity, Sulfide + Cyanide	PCBs	Metals (total + TCLP) As, Cd, Cr, Hg, Pb	Soil VOA Vial, [ ] Methanol	Soil VOA Vial, [ ] Water	Glass Soil Container (4) oz	Glass Soil Container (8) oz	Other	Water VOA Vial, [ ] $Na(SO_4)_2$	Glass Amber ( ) ml, [ ] As is [ ] HCl	Plastic - As is, [ ] 250 ml [ ] H_2SO_4	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
					858090616 - 15	S	6/16/09	1315	X								1									84607
					-16	↓	↓	1320	X								1									84608
					-17	↓	↓	1330	X								1									84609
					-18	↓	↓	1340			X	X	X	X				2								84610
					-19	X	↓	1341		X						1						84611				TB-Hi
					-20	X	↓	1342		X							2					84612				TB-low

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	6/16/09	14:50
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments:

PHOENIX
Environmental Laboratories, Inc.

Monday, August 17, 2009

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: AS12644 - AS12661

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
TX Lab Registration #T104704451-09TX
VT Lab Registration #VT11301

PMB 8/26/2009 DMS

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 ▪ Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.

Thursday, August 27, 2009

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: AS12660 - AS12661

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
TX Lab Registration #T104704451-09TX
VT Lab Registration #VT11301

DMS

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 ▪ Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.

Wednesday, August 26, 2009

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: AS12653, AS12655

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
TX Lab Registration #T104704451-09TX
VT Lab Registration #VT11301

amb 8/26/2009

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 ▪ Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.

Tuesday, September 22, 2009

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: AS12644 - AS12661

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
TX Lab Registration #T104704451-09TX
VT Lab Registration #VT11301

amb 9/29/2009

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 ▪ Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	08/12/09	9:15
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12644
Phoenix ID: AS12644

Project ID: WOOD GROUP
Client ID: 738090812-05 PI-102 (0.5-1)

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	95		%	08/12/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	35000	ug/Kg	08/14/09		MH	SW 8082
PCB-1221	ND	35000	ug/Kg	08/14/09		MH	SW 8082
PCB-1232	ND	35000	ug/Kg	08/14/09		MH	SW 8082
PCB-1242	ND	35000	ug/Kg	08/14/09		MH	SW 8082
PCB-1248	*	35000	ug/Kg	08/14/09		MH	SW 8082
PCB-1254	*	35000	ug/Kg	08/14/09		MH	SW 8082
PCB-1260	ND	35000	ug/Kg	08/14/09		MH	SW 8082
PCB-1262	ND	35000	ug/Kg	08/14/09		MH	SW 8082
PCB-1268	ND	35000	ug/Kg	08/14/09		MH	SW 8082
Total PCBs	130000	35000	ug/Kg	08/14/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	08/14/09		MH	SW 8082
% TCMX	Diluted Out		%	08/14/09		MH	SW 8082

Project ID: WOOD GROUP
Client ID: 738090812-05

P1-102 (0.5-1)

Phoenix I.D.: AS12644

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	08/12/09	9:16
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12644
Phoenix ID: AS12645

Project ID: WOOD GROUP
Client ID: 738090812-06 P1-102 (0.5-1') Field Duplicate

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	95		%	08/12/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	1700	ug/Kg	08/14/09		MH	SW 8082
PCB-1221	ND	1700	ug/Kg	08/14/09		MH	SW 8082
PCB-1232	ND	1700	ug/Kg	08/14/09		MH	SW 8082
PCB-1242	ND	1700	ug/Kg	08/14/09		MH	SW 8082
PCB-1248	*	1700	ug/Kg	08/14/09		MH	SW 8082
PCB-1254	*	1700	ug/Kg	08/14/09		MH	SW 8082
PCB-1260	ND	1700	ug/Kg	08/14/09		MH	SW 8082
PCB-1262	ND	1700	ug/Kg	08/14/09		MH	SW 8082
PCB-1268	ND	1700	ug/Kg	08/14/09		MH	SW 8082
Total PCBs	13000	1700	ug/Kg	08/14/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	08/14/09		MH	SW 8082
% TCMX	Diluted Out		%	08/14/09		MH	SW 8082

Project ID: WOOD GROUP
Client ID: 738090812-06

P1-102 (0.5-1') Field Duplicate

Phoenix I.D.: AS12645

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	08/12/09	9:20
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12644
Phoenix ID: AS12646

Project ID: WOOD GROUP
Client ID: 738090812-07 P1-102 (1-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	94		%	08/12/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1221	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1232	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1242	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1248	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1254	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1260	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1262	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1268	ND	350	ug/Kg	08/13/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	82		%	08/13/09		MH	SW 8082
% TCMX	92		%	08/13/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	08/12/09	9:40
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12644
Phoenix ID: AS12647

Project ID: WOOD GROUP
Client ID: 738090812-10 P1-103 (0.5-1')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	93		%	08/12/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545
MS/MSD Ext. For PCB	Completed			08/13/09			
QC for PCB	Completed			08/17/09			
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1221	ND	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1232	ND	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1242	ND	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1248	*	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1254	*	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1260	ND	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1262	ND	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1268	ND	350	ug/Kg	08/14/09		MH	SW 8082
Total PCBs	680	350	ug/Kg	08/14/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	64		%	08/14/09		MH	SW 8082
% TCMX	67		%	08/14/09		MH	SW 8082

Project ID: WOOD GROUP
Client ID: 738090812-10

P1-103 (0.5-1')

Phoenix I.D.: AS12647

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	08/12/09	9:45
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12644
Phoenix ID: AS12648

Project ID: WOOD GROUP
Client ID: 738090812-11 PI-103 (1-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	94		%	08/12/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1221	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1232	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1242	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1248	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1254	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1260	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1262	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1268	ND	350	ug/Kg	08/13/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	84		%	08/13/09		MH	SW 8082
% TCMX	94		%	08/13/09		MH	SW 8082

Comments:
DUPLICATE INCLUDED
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

September 23, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	08/12/09	10:25
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12644
Phoenix ID: AS12649

Project ID: WOOD GROUP

Client ID: 738090812-18 P1-105 (0.5-1')

Parameter	Result	RL	Units	Date	Time	By	Reference	
Percent Solid	92		%	08/12/09		M-JL	E160.3	
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545	
Total Metals Digest	Completed			09/04/09		AG	SW846 - 3050	
Tungsten	241	5	mg/Kg	09/22/09		*	SW6010	1
Polychlorinated Biphenyls								
PCB-1016	ND	350000	ug/Kg	08/14/09		MH	SW 8082	
PCB-1221	ND	350000	ug/Kg	08/14/09		MH	SW 8082	
PCB-1232	ND	350000	ug/Kg	08/14/09		MH	SW 8082	
PCB-1242	ND	350000	ug/Kg	08/14/09		MH	SW 8082	
PCB-1248	*	350000	ug/Kg	08/14/09		MH	SW 8082	
PCB-1254	*	350000	ug/Kg	08/14/09		MH	SW 8082	
PCB-1260	ND	350000	ug/Kg	08/14/09		MH	SW 8082	
PCB-1262	ND	350000	ug/Kg	08/14/09		MH	SW 8082	
PCB-1268	ND	350000	ug/Kg	08/14/09		MH	SW 8082	
Total PCBs	2500000	350000	ug/Kg	08/14/09		MH	SW 8082	
QA/QC Surrogates								
% DCBP	Diluted Out		%	08/14/09		MH	SW 8082	
% TCMX	Diluted Out		%	08/14/09		MH	SW 8082	

Project ID: WOOD GROUP
Client ID: 738090812-18

PI-105 (2.5-1)

Phoenix I.D.: AS12649

Parameter	Result	RL	Units	Date	Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

* Analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
September 23, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	08/12/09	10:30
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12644
Phoenix ID: AS12650

Project ID: WOOD GROUP
Client ID: 738090812-19 PI-105 (1-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	93		%	08/12/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	3500	ug/Kg	08/14/09		MH	SW 8082
PCB-1221	ND	3500	ug/Kg	08/14/09		MH	SW 8082
PCB-1232	ND	3500	ug/Kg	08/14/09		MH	SW 8082
PCB-1242	ND	3500	ug/Kg	08/14/09		MH	SW 8082
PCB-1248	*	3500	ug/Kg	08/14/09		MH	SW 8082
PCB-1254	*	3500	ug/Kg	08/14/09		MH	SW 8082
PCB-1260	ND	3500	ug/Kg	08/14/09		MH	SW 8082
PCB-1262	ND	3500	ug/Kg	08/14/09		MH	SW 8082
PCB-1268	ND	3500	ug/Kg	08/14/09		MH	SW 8082
Total PCBs	23000	3500	ug/Kg	08/14/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	08/14/09		MH	SW 8082
% TCMX	Diluted Out		%	08/14/09		MH	SW 8082

Project ID: WOOD GROUP
Client ID: 738090812-19

P1-105(1-2')

Phoenix I.D.: AS12650

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	08/12/09	11:15
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12644
Phoenix ID: AS12651

Project ID: WOOD GROUP

Client ID: 738090812-26 PI-107 (0-1)

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	93		%	08/12/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1221	ND	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1232	ND	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1242	ND	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1248	*	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1254	*	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1260	ND	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1262	ND	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1268	ND	350	ug/Kg	08/14/09		MH	SW 8082
Total PCBs	3800	350	ug/Kg	08/14/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	102		%	08/14/09		MH	SW 8082
% TCMX	100		%	08/14/09		MH	SW 8082

Project ID: WOOD GROUP
Client ID: 738090812-26

P1-107 (0-1')

Phoenix I.D.: AS12651

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	08/12/09	11:20
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12644
Phoenix ID: AS12652

Project ID: WOOD GROUP
Client ID: 738090812-27 PI-107 (1-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	94		%	08/12/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	1700	ug/Kg	08/14/09		MH	SW 8082
PCB-1221	ND	1700	ug/Kg	08/14/09		MH	SW 8082
PCB-1232	ND	1700	ug/Kg	08/14/09		MH	SW 8082
PCB-1242	ND	1700	ug/Kg	08/14/09		MH	SW 8082
PCB-1248	*	1700	ug/Kg	08/14/09		MH	SW 8082
PCB-1254	*	1700	ug/Kg	08/14/09		MH	SW 8082
PCB-1260	ND	1700	ug/Kg	08/14/09		MH	SW 8082
PCB-1262	ND	1700	ug/Kg	08/14/09		MH	SW 8082
PCB-1268	ND	1700	ug/Kg	08/14/09		MH	SW 8082
Total PCBs	6100	1700	ug/Kg	08/14/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	08/14/09		MH	SW 8082
% TCMX	Diluted Out		%	08/14/09		MH	SW 8082

Project ID: WOOD GROUP
Client ID: 738090812-27

P1-107 (1-2')

Phoenix I.D.: AS12652

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	08/12/09	11:35
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12644
Phoenix ID: AS12653

Project ID: WOOD GROUP

Client ID: 738090812-31 P1-108 (0.5-1')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	92		%	08/12/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545
Extraction of CT ETPH	Completed			08/21/09		BS/D	3545
Extraction for PCB	Completed			08/21/09		BB/E	SW3540C
SPLP PCB Extraction	Completed			08/24/09		O/O	SW3510/3520
SPLP Extraction for Organics	Completed			08/21/09		K	EPA1312
SPLP Polychlorinated Biphenyls							
PCB-1016	ND	50	ug/L	08/26/09		MH	SW8082
PCB-1221	ND	50	ug/L	08/26/09		MH	SW8082
PCB-1232	ND	50	ug/L	08/26/09		MH	SW8082
PCB-1242	ND	50	ug/L	08/26/09		MH	SW8082
PCB-1248	*	50	ug/L	08/26/09		MH	SW8082
PCB-1254	*	50	ug/L	08/26/09		MH	SW8082
PCB-1260	ND	50	ug/L	08/26/09		MH	SW8082
PCB-1262	ND	50	ug/L	08/26/09		MH	SW8082
PCB-1268	ND	50	ug/L	08/26/09		MH	SW8082
Total PCB's	200		ug/L	08/26/09		MH	SW8082
QA/QC Surrogates							
%DCBP (Surrogate Rec)	Diluted Out		%	08/26/09		MH	SW8082
%TCMX (Surrogate Rec)	Diluted Out		%	08/26/09		MH	SW8082
TPH by GC (Extractable Products)							
Ext. Petroleum HC	460	11	mg/Kg	08/24/09		JRB	CT ETPH
Identification	**		mg/Kg	08/24/09		JRB	CT ETPH
QA/QC Surrogates							
% n-Pentacosane	Interference		%	08/24/09		JRB	CT ETPH
Polychlorinated Biphenyls							
PCB-1016	ND	360000	ug/Kg	08/14/09		MH	SW 8082

Project ID: WOOD GROUP
Client ID: 738090812-31

P1-108 (0.5-1')

Phoenix I.D.: AS12653

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB-1221	ND	360000	ug/Kg	08/14/09		MH	SW 8082
PCB-1232	ND	360000	ug/Kg	08/14/09		MH	SW 8082
PCB-1242	ND	360000	ug/Kg	08/14/09		MH	SW 8082
PCB-1248	*	360000	ug/Kg	08/14/09		MH	SW 8082
PCB-1254	*	360000	ug/Kg	08/14/09		MH	SW 8082
PCB-1260	ND	360000	ug/Kg	08/14/09		MH	SW 8082
PCB-1262	ND	360000	ug/Kg	08/14/09		MH	SW 8082
PCB-1268	ND	360000	ug/Kg	08/14/09		MH	SW 8082
Total PCBs	410000	360000	ug/Kg	08/14/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	08/14/09		MH	SW 8082
% TCMX	Diluted Out		%	08/14/09		MH	SW 8082
Polychlorinated Biphenyls							
PCB-1016	ND	36000	ug/Kg	08/25/09		MH	3540C/8082
PCB-1221	ND	36000	ug/Kg	08/25/09		MH	3540C/8082
PCB-1232	ND	36000	ug/Kg	08/25/09		MH	3540C/8082
PCB-1242	ND	36000	ug/Kg	08/25/09		MH	3540C/8082
PCB-1248	*	36000	ug/Kg	08/25/09		MH	3540C/8082
PCB-1254	*	36000	ug/Kg	08/25/09		MH	3540C/8082
PCB-1260	ND	36000	ug/Kg	08/25/09		MH	3540C/8082
PCB-1262	ND	36000	ug/Kg	08/25/09		MH	3540C/8082
PCB-1268	ND	36000	ug/Kg	08/25/09		MH	3540C/8082
Total PCBs	391000	36000	ug/Kg	08/25/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	08/25/09		MH	3540C/8082
% TCMX	Diluted Out		%	08/25/09		MH	3540C/8082

Comments:

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains a distribution in the C16 to C36 range. The sample was quantitated against a C9-C36 standard.

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

The client requested that this sample be analyzed both by ASE (3545) and Soxhlet (3540).

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	08/12/09	11:40
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12644
Phoenix ID: AS12654

Project ID: WOOD GROUP

Client ID: 738090812-32 PI-108 (1-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	94		%	08/12/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1221	ND	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1232	ND	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1242	ND	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1248	*	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1254	*	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1260	ND	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1262	ND	350	ug/Kg	08/14/09		MH	SW 8082
PCB-1268	ND	350	ug/Kg	08/14/09		MH	SW 8082
Total PCBs	830	350	ug/Kg	08/14/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	98		%	08/14/09		MH	SW 8082
% TCMX	98		%	08/14/09		MH	SW 8082

Project ID: WOOD GROUP
Client ID: 738090812-32

PI-108 (1-2')

Phoenix I.D.: AS12654

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	08/12/09	13:10
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12644
Phoenix ID: AS12655

Project ID: WOOD GROUP
Client ID: 738090812-43 P1-111 (0.5-1)

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	92		%	08/12/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545
Extraction of CT ETPH	Completed			08/21/09		BS/D	3545
Extraction for PCB	Completed			08/21/09		BB/E	SW3540C
SPLP PCB Extraction	Completed			08/24/09		O/O	SW3510/3520
SPLP Extraction for Organics	Completed			08/21/09		K	EPA1312
SPLP Polychlorinated Biphenyls							
PCB-1016	ND	0.5	ug/L	08/26/09		MH	SW8082
PCB-1221	ND	0.5	ug/L	08/26/09		MH	SW8082
PCB-1232	ND	0.5	ug/L	08/26/09		MH	SW8082
PCB-1242	ND	0.5	ug/L	08/26/09		MH	SW8082
PCB-1248	*	0.5	ug/L	08/26/09		MH	SW8082
PCB-1254	*	0.5	ug/L	08/26/09		MH	SW8082
PCB-1260	ND	0.5	ug/L	08/26/09		MH	SW8082
PCB-1262	ND	0.5	ug/L	08/26/09		MH	SW8082
PCB-1268	ND	0.5	ug/L	08/26/09		MH	SW8082
Total PCB's	2.1		ug/L	08/26/09		MH	SW8082
QA/QC Surrogates							
%DCBP (Surrogate Rec)	45		%	08/26/09		MH	SW8082
%TCMX (Surrogate Rec)	83		%	08/26/09		MH	SW8082
TPH by GC (Extractable Products)							
Ext. Petroleum HC	24	11	mg/Kg	08/24/09		JRB	CT ETPH
Identification	**		mg/Kg	08/24/09		JRB	CT ETPH
QA/QC Surrogates							
% n-Pentacosane	80		%	08/24/09		JRB	CT ETPH
Polychlorinated Biphenyls							
PCB-1016	ND	36000	ug/Kg	08/14/09		MH	SW 8082

Project ID: WOOD GROUP
Client ID: 738090812-43

PI-111 (0.5-1)

Phoenix I.D.: AS12655

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB-1221	ND	36000	ug/Kg	08/14/09		MH	SW 8082
PCB-1232	ND	36000	ug/Kg	08/14/09		MH	SW 8082
PCB-1242	ND	36000	ug/Kg	08/14/09		MH	SW 8082
PCB-1248	*	36000	ug/Kg	08/14/09		MH	SW 8082
PCB-1254	*	36000	ug/Kg	08/14/09		MH	SW 8082
PCB-1260	ND	36000	ug/Kg	08/14/09		MH	SW 8082
PCB-1262	ND	36000	ug/Kg	08/14/09		MH	SW 8082
PCB-1268	ND	36000	ug/Kg	08/14/09		MH	SW 8082
Total PCBs	54000	36000	ug/Kg	08/14/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	08/14/09		MH	SW 8082
% TCMX	Diluted Out		%	08/14/09		MH	SW 8082
Polychlorinated Biphenyls							
PCB-1016	ND	8300	ug/Kg	08/26/09		MH	3540C/8082
PCB-1221	ND	8300	ug/Kg	08/26/09		MH	3540C/8082
PCB-1232	ND	8300	ug/Kg	08/26/09		MH	3540C/8082
PCB-1242	ND	8300	ug/Kg	08/26/09		MH	3540C/8082
PCB-1248	*	8300	ug/Kg	08/26/09		MH	3540C/8082
PCB-1254	*	8300	ug/Kg	08/26/09		MH	3540C/8082
PCB-1260	ND	8300	ug/Kg	08/26/09		MH	3540C/8082
PCB-1262	ND	8300	ug/Kg	08/26/09		MH	3540C/8082
PCB-1268	ND	8300	ug/Kg	08/26/09		MH	3540C/8082
Total PCB's	39000		ug/Kg	08/26/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	08/26/09		MH	3540C/8082
% TCMX	Diluted Out		%	08/26/09		MH	3540C/8082

Comments:

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains a distribution in the C16 to C24 range. The sample was quantitated against a C9-C36 standard.

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

The client requested that this sample be analyzed both by ASE (3545) and Soxhlet (3540).

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	08/12/09	13:15
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12644
Phoenix ID: AS12656

Project ID: WOOD GROUP
Client ID: 738090812-44 P1-111 (1-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	95		%	08/12/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1221	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1232	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1242	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1248	*	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1254	*	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1260	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1262	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1268	ND	350	ug/Kg	08/13/09		MH	SW 8082
Total PCBs	2600	350	ug/Kg	08/13/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	99		%	08/13/09		MH	SW 8082
% TCMX	100		%	08/13/09		MH	SW 8082

Project ID: WOOD GROUP
Client ID: 738090812-44

P1-111 (1-2')

Phoenix I.D.: AS12656

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	08/12/09	13:16
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12644
Phoenix ID: AS12657

Project ID: WOOD GROUP
Client ID: 738090812-45 PI-111 (1-2') Field Duplicate

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	96		%	08/12/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	08/13/09		MH	SW 8082
PCB-1221	ND	340	ug/Kg	08/13/09		MH	SW 8082
PCB-1232	ND	340	ug/Kg	08/13/09		MH	SW 8082
PCB-1242	ND	340	ug/Kg	08/13/09		MH	SW 8082
PCB-1248	*	340	ug/Kg	08/13/09		MH	SW 8082
PCB-1254	*	340	ug/Kg	08/13/09		MH	SW 8082
PCB-1260	ND	340	ug/Kg	08/13/09		MH	SW 8082
PCB-1262	ND	340	ug/Kg	08/13/09		MH	SW 8082
PCB-1268	ND	340	ug/Kg	08/13/09		MH	SW 8082
Total PCBs	1000	340	ug/Kg	08/13/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	96		%	08/13/09		MH	SW 8082
% TCMX	100		%	08/13/09		MH	SW 8082

Project ID: WOOD GROUP
Client ID: 738090812-45

P1-111 (1-2) Field Duplicate

Phoenix I.D.: AS12657

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	08/12/09	15:00
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12644
Phoenix ID: AS12658

Project ID: WOOD GROUP

Client ID: 738090812-60 P1-113 (0.5-1')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	93		%	08/12/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	700	ug/Kg	08/14/09		MH	SW 8082
PCB-1221	ND	700	ug/Kg	08/14/09		MH	SW 8082
PCB-1232	ND	700	ug/Kg	08/14/09		MH	SW 8082
PCB-1242	ND	700	ug/Kg	08/14/09		MH	SW 8082
PCB-1248	*	700	ug/Kg	08/14/09		MH	SW 8082
PCB-1254	*	700	ug/Kg	08/14/09		MH	SW 8082
PCB-1260	ND	700	ug/Kg	08/14/09		MH	SW 8082
PCB-1262	ND	700	ug/Kg	08/14/09		MH	SW 8082
PCB-1268	ND	700	ug/Kg	08/14/09		MH	SW 8082
Total PCBs	4700	700	ug/Kg	08/14/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	101		%	08/14/09		MH	SW 8082
% TCMX	104		%	08/14/09		MH	SW 8082

Project ID: WOOD GROUP
Client ID: 738090812-60

P1-113 (0.5-1')

Phoenix I.D.: AS12658

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	08/12/09	15:05
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12644
Phoenix ID: AS12659

Project ID: WOOD GROUP
Client ID: 738090812-61 PI-113 (1-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	94		%	08/12/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	08/13/09		MH	SW 8082
PCB-1221	ND	340	ug/Kg	08/13/09		MH	SW 8082
PCB-1232	ND	340	ug/Kg	08/13/09		MH	SW 8082
PCB-1242	ND	340	ug/Kg	08/13/09		MH	SW 8082
PCB-1248	ND	340	ug/Kg	08/13/09		MH	SW 8082
PCB-1254	ND	340	ug/Kg	08/13/09		MH	SW 8082
PCB-1260	ND	340	ug/Kg	08/13/09		MH	SW 8082
PCB-1262	ND	340	ug/Kg	08/13/09		MH	SW 8082
PCB-1268	ND	340	ug/Kg	08/13/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	91		%	08/13/09		MH	SW 8082
% TCMX	86		%	08/13/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	MW	08/12/09	15:55
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12644
Phoenix ID: AS12660

Project ID: WOOD GROUP
Client ID: 738090812-68 Equipment Blank

Parameter	Result	RL	Units	Date	Time	By	Reference
Extraction of CT ETPH	Completed			08/12/09		O/E	3510/3520
PCB Extraction	Completed			08/12/09		O/O	SW3510/3520
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	0.072	mg/L	08/13/09		JRB	CT ETPH
Identification	ND		mg/L	08/13/09		JRB	CT ETPH
QA/QC Surrogates							
% n-Pentacosane	74		%	08/13/09		JRB	CT ETPH
Polychlorinated Biphenyls							
PCB-1016	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1221	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1232	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1242	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1248	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1254	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1260	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1262	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1268	ND	0.5	ug/L	08/13/09		MH	608/ 8082
QA/QC Surrogates							
% DCBP	60		%	08/13/09		MH	608/ 8082
% TCMX	81		%	08/13/09		MH	608/ 8082

Project ID: WOOD GROUP
Client ID: 738090812-68

Equipment Blank

Phoenix I.D.: AS12660

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	MW	08/12/09	16:00
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12644
Phoenix ID: AS12661

Project ID: WOOD GROUP

Client ID: 738090812-69 Equipment Blank

Parameter	Result	RL	Units	Date	Time	By	Reference
Extraction of CT ETPH	Completed			08/12/09		O/E	3510/3520
PCB Extraction	Completed			08/12/09		O/O	SW3510/3520
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	0.071	mg/L	08/13/09		JRB	CT ETPH
Identification	ND		mg/L	08/13/09		JRB	CT ETPH
QA/QC Surrogates							
% n-Pentacosane	56		%	08/13/09		JRB	CT ETPH
Polychlorinated Biphenyls							
PCB-1016	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1221	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1232	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1242	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1248	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1254	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1260	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1262	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1268	ND	0.5	ug/L	08/13/09		MH	608/ 8082
QA/QC Surrogates							
% DCBP	44		%	08/13/09		MH	608/ 8082
% TCMX	79		%	08/13/09		MH	608/ 8082

Project ID: WOOD GROUP
Client ID: 738090812-69

Equipment Blank

Phoenix I.D.: AS12661

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

QA/QC Report

September 23, 2009

QA/QC Data

SDG I.D.: GAS12644

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 133593, QC Sample No: AS12330 (AS12660, AS12661)							
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	100	113	12.2			
% n-Pentacosane	94	102	126	21.1			

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 133586, QC Sample No: AS12647 (AS12644, AS12645, AS12646, AS12647, AS12648, AS12649, AS12650, AS12651, AS12652, AS12653, AS12654, AS12655, AS12656, AS12657, AS12658, AS12659)

Polychlorinated Biphenyls							
PCB-1016	ND	101	99	2.0	*	*	NC
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	83	81	2.4	*	*	NC
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	90	79	75	5.2	NR	NR	NC
% TCMX (Surrogate Rec)	105	79	75	5.2	NR	NR	NC

Comment:

* The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QA/QC Batch 134419, QC Sample No: AS12653 (AS12653, AS12655)

Polychlorinated Biphenyls				
PCB-1016	ND	98	97	1.0
PCB-1221	ND			
PCB-1232	ND			
PCB-1242	ND			
PCB-1248	ND			
PCB-1254	ND			
PCB-1260	ND	96	97	1.0
PCB-1262	ND			
PCB-1268	ND			
% DCBP (Surrogate Rec)	91	84	90	6.9
% TCMX (Surrogate Rec)	88	91	90	1.1

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Data

SDG I.D.: GAS12644

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 133595, QC Sample No: AS12716 (AS12660, AS12661)							
Polychlorinated Biphenyls							
PCB-1016	ND	98	93	5.2	93	91	2.2
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	84	83	1.2	85	73	15.2
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	82	66	89	29.7	83	80	3.7
% TCMX (Surrogate Rec)	84	89	84	5.8	92	90	2.2
QA/QC Batch 134069, QC Sample No: AS15246 (AS12653, AS12655)							
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	81	100	21.0	104	92	12.2
% n-Pentacosane	44	56	72	25.0	66	56	16.4
QA/QC Batch 134243, QC Sample No: AS15823 (AS12653, AS12655)							
Polychlorinated Biphenyls							
PCB-1016	ND	110	114	3.6	98	91	7.4
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	96	93	3.2	*	*	NC
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	82	69	69	0.0	57	61	6.8
% TCMX (Surrogate Rec)	77	63	69	9.1	61	65	6.3

Comment:

* The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
September 23, 2009

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** F&O

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): AS12644, AS12645, AS12646, AS12647, AS12648, AS12649, AS12650, AS12651, AS12652, AS12653, AS12654, AS12655, AS12656, AS12657, AS12658, AS12659, AS12660, AS12661

Sampling Date(s): 8/12/2009

RCP Methods Used:

☑ 1311/1312	☑ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific QC samples included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence"

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Phyllis Shiller

Date: Tuesday, September 29, 2009

Printed Name: Phyllis Shiller

Position: Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

September 29, 2009

SDG I.D.: GAS12644

Some samples required a dilution due to the presence of one or more PCB aroclors in the sample.

AS12653, AS12655: The client requested that this sample be analyzed both by ASE (3545) and Soxhlet (3540).

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Dual_fid1 08/13/09-1 (AS12660, AS12661)

Initial Calibration (DualFID-1 072109) - The initial calibration curve had a %RSD less than 30%, which is within method criteria.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers:C36 on the A-side column. C36 on the B-si column.

Printed Name Jeff Bucko
Position: Chemist
Date: 8/13/2009

Instrument: Dual_fid1 08/24/09-1 (AS12653, AS12655)

Initial Calibration (DualFID-1 072109) - The initial calibration curve had a %RSD less than 30%, which is within method criteria.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: There were no outliers.

Printed Name Jeff Bucko
Position: Chemist
Date: 8/24/2009

QC Comments: QC Batch 33593 08/12/09 (AS12660, AS12661)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC (Batch Specific)

All LCS recoveries were within 50 - 150 with the following exceptions: None.

All LCSD recoveries were within 50 - 150 with the following exceptions: None.

ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

September 29, 2009

SDG I.D.: GAS12644

Instrument: Icp7 09/04/09-1 (AS12649)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Emily Kolominskaya
Position: Chemist
Date: 9/4/2009

Instrument: Icp7 09/05/09-1 (AS12649)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Emily Kolominskaya
Position: Chemist
Date: 9/5/2009

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 08/25/09-1 (AS12653, AS12655)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 8/25/2009

Instrument: Au-ecd5 08/13/09-1 (AS12656, AS12657, AS12659, AS12660, AS12661)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

September 29, 2009

SDG I.D.: GAS12644

Printed Name Michael Hahn
Position: Chemist
Date: 8/13/2009

Instrument: Au-ecd5 08/14/09-1 (AS12644, AS12645, AS12647, AS12649, AS12650, AS12651, AS12652, AS12653, AS12654, AS12655, AS12658)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 8/14/2009

Instrument: Au-ecd5 08/25/09-1 (AS12653, AS12655)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 8/25/2009

Instrument: Au-ecd8 08/24/09-1 (AS12653, AS12655)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 8/24/2009

Instrument: Au-ecd8 08/26/09-1 (AS12653, AS12655)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

September 29, 2009

SDG I.D.: GAS12644

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 8/26/2009

QC Comments: QC Batch 33586 08/12/09 (AS12644, AS12645, AS12646, AS12647, AS12648, AS12649, AS12650, AS12651, AS12652, AS12653, AS12654, AS12655, AS12656, AS12657, AS12658, AS12659)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were v QA/QC limits.

QC Comments: QC Batch 34419 08/24/09 (AS12653, AS12655)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC Comments: QC Batch 34243 08/21/09 (AS12653, AS12655)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were v QA/QC limits.

QC (Site Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All MS recoveries were within 30 - 130 with the following exceptions: None.

All MSD recoveries were within 30 - 130 with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within cı

QC (Batch Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

Temperature Narration

The samples were received at 12C with cooling initiated.
No bias in the sample results are suspected due to temperature.

Printed Name Lori Bryda
Position: Login
Date: 9/29/2009 2:10:51 PM

12° wk

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- ☑ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other _____

CHAIN-OF-CUSTODY RECORD 18962

Turnaround
☐ 1 Day* ☑ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184R70
LABORATORY: Phoenix

REPORT TO: Kevin Vandervoer F&O
INVOICE TO: ↓
P.O. No.:
Sampler's Signature: Matt Wlyak Date: 8/12/09

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request: * PCBs 8082

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water; Glass Soil Container ( ) oz; Glass Soil Container ( ) oz; Other: [ ] $Na(SO_4)_2$; Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4; Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml; Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	* PCBs 8082	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container ( ) oz	Glass Soil Container ( ) oz	Other: [ ] $Na(SO_4)_2$	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
01					738090812-05	S	8/12/09	0915	✓			1				12644					
02					-06			0916	✓			1				12645					
03					-07			0920	✓			1				12646					
04					-10			0940	✓			3				12647					MS/MSD
05					-11			0945	✓			1				12648					DUP-N/C
06					-18			1025	✓			1				12649					
07					-19			1030	✓			1				12650					
08					-26			1115	✓			1				12651					
09					-27			1120	✓			1				12652					
10					-31			1135	✓			1				12653					

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Matt Wlyak	[illegible]	8/12	16:46
2				
3				
4				

Reporting and Detection Limit Requirements: GA PMC, Res DEC, GWPC, SWPC

Additional Comments:
* 72 hour TAT
* includes 1 duplicate + 1 MS/MSD

12° w/c

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- ☑ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other _____

CHAIN-OF-CUSTODY RECORD 18963

Turnaround
☐ 1 Day* ☑ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184R70
LABORATORY: Phoenix

REPORT TO: Kevin Vardenveer F&O
INVOICE TO: ↓
P.O. No.:
Sampler's Signature: Matt Wyatt Date: 8/12/09

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other X=Equipment Blank

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	*PCB's 8082	*EPH	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container (B) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber (1000) ml, [X] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
11					738090812-32	5	8/12/09	1310	✓				1			12654						
12					-43	↓	↓	1310	✓				3			12655						MS/MSD
13					-44			1315	✓				1			12656						
14					-45			1316	✓				1			12657						
15					-60			1500	✓				1			12658						
16					-61	↓		1505	✓				1			12659						
17					-68	X		1555	✓	✓						2 12660						EB
18					-69	X	↓	1600	✓	✓						2 12661						EB

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Matt Wyatt	Lisa F	8/12	16:46
2				
3				
4				

Reporting and Detection Limit Requirements: GAPMC, RESDEC, GWPC, SWPC

Additional Comments:
* 72 hour TAT
* includes ① duplicate / ① MS/MSD / ② Equipment blanks

PHOENIX
Environmental Laboratories, Inc.

Wednesday, August 26, 2009

Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: AS12662, AS12664 - AS12665, AS12695, AS12709, AS12711 - AS12712

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
TX Lab Registration #T104704451-09TX
VT Lab Registration #VT11301

PMB 9/8/2009

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 ▪ Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.

Thursday, August 20, 2009

Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: AS12662 - AS12663, AS12674 - AS12675, AS12680 - AS12683, AS12693, AS12695 - AS12696, AS12709 - AS12710

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
TX Lab Registration #T104704451-09TX
VT Lab Registration #VT11301

PMB 8/20/2009

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 ▪ Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	8:50
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12662

Project ID: WOOD GROUP
Client ID: 738090812-01 P1-101 (0.5-1')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	94		%	08/17/09		C-JL	E160.3
Extraction of CT ETPH	Completed			08/21/09		BS/D	3545
Extraction for PCB	Completed			08/17/09		BB/E	SW3540C
SPLP PCB Extraction	Completed			08/24/09		O/O	SW3510/3520
SPLP Extraction for Organics	Completed			08/21/09		K	EPA1312
SPLP Polychlorinated Biphenyls							
PCB-1016	ND	0.5	ug/L	08/26/09		MH	SW8082
PCB-1221	ND	0.5	ug/L	08/26/09		MH	SW8082
PCB-1232	ND	0.5	ug/L	08/26/09		MH	SW8082
PCB-1242	ND	0.5	ug/L	08/26/09		MH	SW8082
PCB-1248	*	0.5	ug/L	08/26/09		MH	SW8082
PCB-1254	*	0.5	ug/L	08/26/09		MH	SW8082
PCB-1260	ND	0.5	ug/L	08/26/09		MH	SW8082
PCB-1262	ND	0.5	ug/L	08/26/09		MH	SW8082
PCB-1268	ND	0.5	ug/L	08/26/09		MH	SW8082
Total PCB's	3.3		ug/L	08/26/09		MH	SW8082
QA/QC Surrogates							
%DCBP (Surrogate Rec)	<30**		%	08/26/09		MH	SW8082
%TCMX (Surrogate Rec)	87		%	08/26/09		MH	SW8082
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	08/24/09		JRB	CT ETPH
Identification	ND		mg/Kg	08/24/09		JRB	CT ETPH
QA/QC Surrogates							
% n-Pentacosane	74		%	08/24/09		JRB	CT ETPH
Polychlorinated Biphenyls							
PCB-1016	ND	3500	ug/Kg	08/19/09		MH	3540C/8082
PCB-1221	ND	3500	ug/Kg	08/19/09		MH	3540C/8082

Project ID: WOOD GROUP
Client ID: 738090812-01

P1-1D1 (0.5-1')

Phoenix I.D.: AS12662

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB-1232	ND	3500	ug/Kg	08/19/09		MH	3540C/8082
PCB-1242	ND	3500	ug/Kg	08/19/09		MH	3540C/8082
PCB-1248	*	3500	ug/Kg	08/19/09		MH	3540C/8082
PCB-1254	*	3500	ug/Kg	08/19/09		MH	3540C/8082
PCB-1260	ND	3500	ug/Kg	08/19/09		MH	3540C/8082
PCB-1262	ND	3500	ug/Kg	08/19/09		MH	3540C/8082
PCB-1268	ND	3500	ug/Kg	08/19/09		MH	3540C/8082
Total PCBs	20000	3500	ug/Kg	08/19/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	08/19/09		MH	3540C/8082
% TCMX	Diluted Out		%	08/19/09		MH	3540C/8082

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

** Poor surrogate recovery was observed.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	8:55
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12663

Project ID: WOOD GROUP
Client ID: 738090812-02 P1-101 (1-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	95		%	08/17/09		C-JL	E160.3
Extraction for PCB	Completed			08/17/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	08/19/09		MH	3540C/8082
PCB-1221	ND	350	ug/Kg	08/19/09		MH	3540C/8082
PCB-1232	ND	350	ug/Kg	08/19/09		MH	3540C/8082
PCB-1242	ND	350	ug/Kg	08/19/09		MH	3540C/8082
PCB-1248	*	350	ug/Kg	08/19/09		MH	3540C/8082
PCB-1254	*	350	ug/Kg	08/19/09		MH	3540C/8082
PCB-1260	ND	350	ug/Kg	08/19/09		MH	3540C/8082
PCB-1262	ND	350	ug/Kg	08/19/09		MH	3540C/8082
PCB-1268	ND	350	ug/Kg	08/19/09		MH	3540C/8082
Total PCBs	2600	350	ug/Kg	08/19/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	102		%	08/19/09		MH	3540C/8082
% TCMX	97		%	08/19/09		MH	3540C/8082

Project ID: WOOD GROUP
Client ID: 738090812-02

P1-101 (1-2')

Phoenix I.D.: AS12663

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	9:00
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12664

Project ID: WOOD GROUP
Client ID: 738090812-03 P1-101 (2-3')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	95		%	08/21/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/21/09		BB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	08/24/09		MH	SW 8082
PCB-1221	ND	340	ug/Kg	08/24/09		MH	SW 8082
PCB-1232	ND	340	ug/Kg	08/24/09		MH	SW 8082
PCB-1242	ND	340	ug/Kg	08/24/09		MH	SW 8082
PCB-1248	ND	340	ug/Kg	08/24/09		MH	SW 8082
PCB-1254	ND	340	ug/Kg	08/24/09		MH	SW 8082
PCB-1260	ND	340	ug/Kg	08/24/09		MH	SW 8082
PCB-1262	ND	340	ug/Kg	08/24/09		MH	SW 8082
PCB-1268	ND	340	ug/Kg	08/24/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	84		%	08/24/09		MH	SW 8082
% TCMX	84		%	08/24/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	9:05
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12665

Project ID: WOOD GROUP
Client ID: 738090812-04 PH101 (3-5')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	93		%	08/21/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/21/09		BB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	08/24/09		MH	SW 8082
PCB-1221	ND	350	ug/Kg	08/24/09		MH	SW 8082
PCB-1232	ND	350	ug/Kg	08/24/09		MH	SW 8082
PCB-1242	ND	350	ug/Kg	08/24/09		MH	SW 8082
PCB-1248	ND	350	ug/Kg	08/24/09		MH	SW 8082
PCB-1254	ND	350	ug/Kg	08/24/09		MH	SW 8082
PCB-1260	ND	350	ug/Kg	08/24/09		MH	SW 8082
PCB-1262	ND	350	ug/Kg	08/24/09		MH	SW 8082
PCB-1268	ND	350	ug/Kg	08/24/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	84		%	08/24/09		MH	SW 8082
% TCMX	81		%	08/24/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	9:25
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12666

Project ID: WOOD GROUP
Client ID: 738090812-08 P1-102 (2-3')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	9:30
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12667

Project ID: WOOD GROUP
Client ID: 738090812-09 P1-102 (3-5')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	9:50
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12668

Project ID: WOOD GROUP
Client ID: 738090812-12 P1-103 (2-3')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	9:55
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12669

Project ID: WOOD GROUP
Client ID: 738090812-13 P1-103 (3-5')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	10:00
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12670

Project ID: WOOD GROUP
Client ID: 738090812-14 P1-104 (0.5-1)

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	10:05
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12671

Project ID: WOOD GROUP
Client ID: 738090812-15 P1-104 (1-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	10:10
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12672

Project ID: WOOD GROUP
Client ID: 738090812-16 P1-104 (2-3')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	10:15
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12673

Project ID: WOOD GROUP
Client ID: 738090812-17 P1-104 (3-5')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	10:35
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12674

Project ID: WOOD GROUP
Client ID: 738090812-20 P1-105 (2-3')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	96		%	08/17/09		C-JL	E160.3
Extraction for PCB	Completed			08/17/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1221	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1232	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1242	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1248	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1254	1600	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1260	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1262	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1268	ND	340	ug/Kg	08/18/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	111		%	08/18/09		MH	3540C/8082
% TCMX	104		%	08/18/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	10:40
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12675

Project ID: WOOD GROUP
Client ID: 738090812-21 P1-105 (3-5')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	95		%	08/17/09		C-JL	E160.3
Extraction for PCB	Completed			08/17/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	17000	ug/Kg	08/19/09		MH	3540C/8082
PCB-1221	ND	17000	ug/Kg	08/19/09		MH	3540C/8082
PCB-1232	ND	17000	ug/Kg	08/19/09		MH	3540C/8082
PCB-1242	ND	17000	ug/Kg	08/19/09		MH	3540C/8082
PCB-1248	*	17000	ug/Kg	08/19/09		MH	3540C/8082
PCB-1254	*	17000	ug/Kg	08/19/09		MH	3540C/8082
PCB-1260	ND	17000	ug/Kg	08/19/09		MH	3540C/8082
PCB-1262	ND	17000	ug/Kg	08/19/09		MH	3540C/8082
PCB-1268	ND	17000	ug/Kg	08/19/09		MH	3540C/8082
Total PCBs	68000	17000	ug/Kg	08/19/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	08/19/09		MH	3540C/8082
% TCMX	Diluted Out		%	08/19/09		MH	3540C/8082

Project ID: WOOD GROUP
Client ID: 738090812-21

P1-105 (3-5')

Phoenix I.D.: AS12675

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	10:50
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12676

Project ID: WOOD GROUP
Client ID: 738090812-22 P1-106 (0.5-1)

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	10:55
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12677

Project ID: WOOD GROUP
Client ID: 738090812-23 P1-106 (1-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	11:00
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12678

Project ID: WOOD GROUP
Client ID: 738090812-24 P1-106 (2-3')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	11:05
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12679

Project ID: WOOD GROUP
Client ID: 738090812-25 PI-106 (3-5')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	11:25
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12680

Project ID: WOOD GROUP

Client ID: 738090812-28 P1-107 (2-3')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	95		%	08/17/09		C-JL	E160.3
Extraction for PCB	Completed			08/17/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1700	ug/Kg	08/20/09		MH	3540C/8082
PCB-1221	ND	1700	ug/Kg	08/20/09		MH	3540C/8082
PCB-1232	ND	1700	ug/Kg	08/20/09		MH	3540C/8082
PCB-1242	ND	1700	ug/Kg	08/20/09		MH	3540C/8082
PCB-1248	*	1700	ug/Kg	08/20/09		MH	3540C/8082
PCB-1254	*	1700	ug/Kg	08/20/09		MH	3540C/8082
PCB-1260	ND	1700	ug/Kg	08/20/09		MH	3540C/8082
PCB-1262	ND	1700	ug/Kg	08/20/09		MH	3540C/8082
PCB-1268	ND	1700	ug/Kg	08/20/09		MH	3540C/8082
Total PCBs	6800	1700	ug/Kg	08/20/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	08/20/09		MH	3540C/8082
% TCMX	Diluted Out		%	08/20/09		MH	3540C/8082

Project ID: WOOD GROUP
Client ID: 738090812-28

P1-107 (2-3')

Phoenix I.D.: AS12680

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	11:26
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12681

Project ID: WOOD GROUP
Client ID: 738090812-29 P1-107 (2-3') Field Duplicate

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	93		%	08/17/09		C-JL	E160.3
Extraction for PCB	Completed			08/17/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1800	ug/Kg	08/20/09		MH	3540C/8082
PCB-1221	ND	1800	ug/Kg	08/20/09		MH	3540C/8082
PCB-1232	ND	1800	ug/Kg	08/20/09		MH	3540C/8082
PCB-1242	ND	1800	ug/Kg	08/20/09		MH	3540C/8082
PCB-1248	*	1800	ug/Kg	08/20/09		MH	3540C/8082
PCB-1254	*	1800	ug/Kg	08/20/09		MH	3540C/8082
PCB-1260	ND	1800	ug/Kg	08/20/09		MH	3540C/8082
PCB-1262	ND	1800	ug/Kg	08/20/09		MH	3540C/8082
PCB-1268	ND	1800	ug/Kg	08/20/09		MH	3540C/8082
Total PCBs	9600	1800	ug/Kg	08/20/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	08/20/09		MH	3540C/8082
% TCMX	Diluted Out		%	08/20/09		MH	3540C/8082

Project ID: WOOD GROUP
Client ID: 738090812-29 P1-107 (2-3') Field Duplicate

Phoenix I.D.: AS12681

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	11:30
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12682

Project ID: WOOD GROUP
Client ID: 738090812-30 P1-107 (3-5')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	96		%	08/17/09		C-JL	E160.3
Extraction for PCB	Completed			08/17/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	08/18/09		MH	3540C/8082
PCB-1221	ND	350	ug/Kg	08/18/09		MH	3540C/8082
PCB-1232	ND	350	ug/Kg	08/18/09		MH	3540C/8082
PCB-1242	ND	350	ug/Kg	08/18/09		MH	3540C/8082
PCB-1248	ND	350	ug/Kg	08/18/09		MH	3540C/8082
PCB-1254	ND	350	ug/Kg	08/18/09		MH	3540C/8082
PCB-1260	ND	350	ug/Kg	08/18/09		MH	3540C/8082
PCB-1262	ND	350	ug/Kg	08/18/09		MH	3540C/8082
PCB-1268	ND	350	ug/Kg	08/18/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	89		%	08/18/09		MH	3540C/8082
% TCMX	88		%	08/18/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	11:45
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12683

Project ID: WOOD GROUP
Client ID: 738090812-33 P1-108 (2-3')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	96		%	08/17/09		C-JL	E160.3
Extraction for PCB	Completed			08/17/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1221	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1232	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1242	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1248	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1254	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1260	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1262	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1268	ND	340	ug/Kg	08/18/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	90		%	08/18/09		MH	3540C/8082
% TCMX	88		%	08/18/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	11:50
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12684

Project ID: WOOD GROUP
Client ID: 738090812-34 P1-108 (3-5')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	12:00
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12685

Project ID: WOOD GROUP
Client ID: 738090812-35 P1-109 (0.5-1)

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	12:05
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12686

Project ID: WOOD GROUP
Client ID: 738090812-36 P1-109 (1-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	12:10
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12687

Project ID: WOOD GROUP
Client ID: 738090812-37 P1-109 (2-3')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	12:15
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12688

Project ID: WOOD GROUP
Client ID: 738090812-38 P1-109 (3-5')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	12:45
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12689

Project ID: WOOD GROUP
Client ID: 738090812-39 P1-110 (0.5-1')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	12:50
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12690

Project ID: WOOD GROUP
Client ID: 738090812-40 PI-110 (1-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	12:55
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12691

Project ID: WOOD GROUP
Client ID: 738090812-41 P1-110 (2-3')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	13:00
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12692

Project ID: WOOD GROUP
Client ID: 738090812-42 P1-110 (3-5')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	13:20
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12693

Project ID: WOOD GROUP
Client ID: 738090812-46 P1-111 (2-3')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	97		%	08/17/09		C-JL	E160.3
Extraction for PCB	Completed			08/17/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1221	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1232	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1242	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1248	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1254	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1260	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1262	ND	340	ug/Kg	08/18/09		MH	3540C/8082
PCB-1268	ND	340	ug/Kg	08/18/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	90		%	08/18/09		MH	3540C/8082
% TCMX	87		%	08/18/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	13:25
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12694

Project ID: WOOD GROUP
Client ID: 738090812-47 P1-111 (3-5')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	13:35
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12695

Project ID: WOOD GROUP
Client ID: 738090812-48 P1-112 (0.5-1)

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	92		%	08/17/09		C-JL	E160.3
Extraction of CT ETPH	Completed			08/21/09		BS/D	3545
Extraction for PCB	Completed			08/17/09		BB/E	SW3540C
SPLP PCB Extraction	Completed			08/24/09		O/O	SW3510/3520
SPLP Extraction for Organics	Completed			08/21/09		K	EPA1312
SPLP Polychlorinated Biphenyls							
PCB-1016	ND	5	ug/L	08/26/09		MH	SW8082
PCB-1221	ND	5	ug/L	08/26/09		MH	SW8082
PCB-1232	ND	5	ug/L	08/26/09		MH	SW8082
PCB-1242	ND	5	ug/L	08/26/09		MH	SW8082
PCB-1248	*	5	ug/L	08/26/09		MH	SW8082
PCB-1254	*	5	ug/L	08/26/09		MH	SW8082
PCB-1260	ND	5	ug/L	08/26/09		MH	SW8082
PCB-1262	ND	5	ug/L	08/26/09		MH	SW8082
PCB-1268	ND	5	ug/L	08/26/09		MH	SW8082
Total PCB's	17		ug/L	08/26/09		MH	SW8082
QA/QC Surrogates							
%DCBP (Surrogate Rec)	Diluted Out		%	08/26/09		MH	SW8082
%TCMX (Surrogate Rec)	Diluted Out		%	08/26/09		MH	SW8082
TPH by GC (Extractable Products)							
Ext. Petroleum HC	51	11	mg/Kg	08/24/09		JRB	CT ETPH
Identification	**		mg/Kg	08/24/09		JRB	CT ETPH
QA/QC Surrogates							
% n-Pentacosane	93		%	08/24/09		JRB	CT ETPH
Polychlorinated Biphenyls							
PCB-1016	ND	36000	ug/Kg	08/19/09		MH	3540C/8082
PCB-1221	ND	36000	ug/Kg	08/19/09		MH	3540C/8082

Project ID: WOOD GROUP
Client ID: 738090812-48

P1-112 (0.5-1')

Phoenix I.D.: AS12695

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB-1232	ND	36000	ug/Kg	08/19/09		MH	3540C/8082
PCB-1242	ND	36000	ug/Kg	08/19/09		MH	3540C/8082
PCB-1248	*	36000	ug/Kg	08/19/09		MH	3540C/8082
PCB-1254	*	36000	ug/Kg	08/19/09		MH	3540C/8082
PCB-1260	ND	36000	ug/Kg	08/19/09		MH	3540C/8082
PCB-1262	ND	36000	ug/Kg	08/19/09		MH	3540C/8082
PCB-1268	ND	36000	ug/Kg	08/19/09		MH	3540C/8082
Total PCBs	190000	36000	ug/Kg	08/19/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	08/19/09		MH	3540C/8082
% TCMX	Diluted Out		%	08/19/09		MH	3540C/8082

Comments:

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains a distribution in the C16 to C24 range. The sample was quantitated against a C9-C36 standard.

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	13:40
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12696

Project ID: WOOD GROUP
Client ID: 738090812-49 P1-112 (1-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	93		%	08/17/09		C-JL	E160.3
Extraction for PCB	Completed			08/17/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	08/19/09		MH	3540C/8082
PCB-1221	ND	350	ug/Kg	08/19/09		MH	3540C/8082
PCB-1232	ND	350	ug/Kg	08/19/09		MH	3540C/8082
PCB-1242	ND	350	ug/Kg	08/19/09		MH	3540C/8082
PCB-1248	*	350	ug/Kg	08/19/09		MH	3540C/8082
PCB-1254	*	350	ug/Kg	08/19/09		MH	3540C/8082
PCB-1260	ND	350	ug/Kg	08/19/09		MH	3540C/8082
PCB-1262	ND	350	ug/Kg	08/19/09		MH	3540C/8082
PCB-1268	ND	350	ug/Kg	08/19/09		MH	3540C/8082
Total PCBs	670	350	ug/Kg	08/19/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	96		%	08/19/09		MH	3540C/8082
% TCMX	90		%	08/19/09		MH	3540C/8082

Project ID: WOOD GROUP
Client ID: 738090812-49

P1-112 (1.2')

Phoenix I.D.: AS12696

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	13:45
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12697

Project ID: WOOD GROUP
Client ID: 738090812-50 P1-112 (2-3')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	13:50
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12698

Project ID: WOOD GROUP
Client ID: 738090812-51 P1-112 (3-5')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	14:00
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12699

Project ID: WOOD GROUP
Client ID: 738090812-52 PI-115 (0.5-1')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	14:05
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12700

Project ID: WOOD GROUP
Client ID: 738090812-53 P1-115 (1-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	14:10
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12701

Project ID: WOOD GROUP
Client ID: 738090812-54 P1-11S (2-3')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	14:15
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12702

Project ID: WOOD GROUP
Client ID: 738090812-55 P1-115 (3-5')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	14:25
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12703

Project ID: WOOD GROUP
Client ID: 738090812-56 P1-116 (0.5-1)

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	14:30
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12704

Project ID: WOOD GROUP
Client ID: 738090812-57 P1-116 (1-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	14:35
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12705

Project ID: WOOD GROUP
Client ID: 738090812-58

PL-116 (2-3')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	14:40
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12706

Project ID: WOOD GROUP
Client ID: 738090812-59

Pt-116 (3-5')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	15:10
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12707

Project ID: WOOD GROUP
Client ID: 738090812-62 P1-113 (2-3')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	15:15
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12708

Project ID: WOOD GROUP
Client ID: 738090812-63

P1-113 (3-4')

Parameter	Result	RL	Units	Date	Time	By	Reference
On Hold	Pending						

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	15:30
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12709

Project ID: WOOD GROUP
Client ID: 738090812-64 P1-114 (0.5-1')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	92		%	08/17/09		C-JL	E160.3
Extraction of CT ETPH	Completed			08/21/09		BS/D	3545
Extraction for PCB	Completed			08/17/09		BB/E	SW3540C
SPLP PCB Extraction	Completed			08/24/09		O/O	SW3510/3520
SPLP Extraction for Organics	Completed			08/21/09		K	EPA1312
SPLP Polychlorinated Biphenyls							
PCB-1016	ND	0.5	ug/L	08/26/09		MH	SW8082
PCB-1221	ND	0.5	ug/L	08/26/09		MH	SW8082
PCB-1232	ND	0.5	ug/L	08/26/09		MH	SW8082
PCB-1242	ND	0.5	ug/L	08/26/09		MH	SW8082
PCB-1248	0.58	0.5	ug/L	08/26/09		MH	SW8082
PCB-1254	ND	0.5	ug/L	08/26/09		MH	SW8082
PCB-1260	ND	0.5	ug/L	08/26/09		MH	SW8082
PCB-1262	ND	0.5	ug/L	08/26/09		MH	SW8082
PCB-1268	ND	0.5	ug/L	08/26/09		MH	SW8082
QA/QC Surrogates							
%DCBP (Surrogate Rec)	<30**		%	08/26/09		MH	SW8082
%TCMX (Surrogate Rec)	86		%	08/26/09		MH	SW8082
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	08/24/09		JRB	CT ETPH
Identification	ND		mg/Kg	08/24/09		JRB	CT ETPH
QA/QC Surrogates							
% n-Pentacosane	62		%	08/24/09		JRB	CT ETPH
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	08/19/09		MH	3540C/8082
PCB-1221	ND	360	ug/Kg	08/19/09		MH	3540C/8082
PCB-1232	ND	360	ug/Kg	08/19/09		MH	3540C/8082

Project ID: WOOD GROUP
Client ID: 738090812-64

PI-114 (0.5-1')

Phoenix I.D.: AS12709

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB-1242	ND	360	ug/Kg	08/19/09		MH	3540C/8082
PCB-1248	*	360	ug/Kg	08/19/09		MH	3540C/8082
PCB-1254	*	360	ug/Kg	08/19/09		MH	3540C/8082
PCB-1260	ND	360	ug/Kg	08/19/09		MH	3540C/8082
PCB-1262	ND	360	ug/Kg	08/19/09		MH	3540C/8082
PCB-1268	ND	360	ug/Kg	08/19/09		MH	3540C/8082
Total PCBs	2600	360	ug/Kg	08/19/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	104		%	08/19/09		MH	3540C/8082
% TCMX	95		%	08/19/09		MH	3540C/8082

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

** Poor surrogate recovery was observed.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	15:35
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12710

Project ID: WOOD GROUP
Client ID: 738090812-65 P1-114 (1-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	93		%	08/17/09		C-JL	E160.3
Extraction for PCB	Completed			08/17/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1800	ug/Kg	08/20/09		MH	3540C/8082
PCB-1221	ND	1800	ug/Kg	08/20/09		MH	3540C/8082
PCB-1232	ND	1800	ug/Kg	08/20/09		MH	3540C/8082
PCB-1242	ND	1800	ug/Kg	08/20/09		MH	3540C/8082
PCB-1248	*	1800	ug/Kg	08/20/09		MH	3540C/8082
PCB-1254	*	1800	ug/Kg	08/20/09		MH	3540C/8082
PCB-1260	ND	1800	ug/Kg	08/20/09		MH	3540C/8082
PCB-1262	ND	1800	ug/Kg	08/20/09		MH	3540C/8082
PCB-1268	ND	1800	ug/Kg	08/20/09		MH	3540C/8082
Total PCBs	7100	1800	ug/Kg	08/20/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	08/20/09		MH	3540C/8082
% TCMX	Diluted Out		%	08/20/09		MH	3540C/8082

Project ID: WOOD GROUP
Client ID: 738090812-65

P1-114 (1-2')

Phoenix I.D.: AS12710

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	15:40
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12711

Project ID: WOOD GROUP
Client ID: 738090812-66

P1-114 (2-5')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	95		%	08/21/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/21/09		BB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	08/24/09		MH	SW 8082
PCB-1221	ND	340	ug/Kg	08/24/09		MH	SW 8082
PCB-1232	ND	340	ug/Kg	08/24/09		MH	SW 8082
PCB-1242	ND	340	ug/Kg	08/24/09		MH	SW 8082
PCB-1248	ND	340	ug/Kg	08/24/09		MH	SW 8082
PCB-1254	ND	340	ug/Kg	08/24/09		MH	SW 8082
PCB-1260	ND	340	ug/Kg	08/24/09		MH	SW 8082
PCB-1262	ND	340	ug/Kg	08/24/09		MH	SW 8082
PCB-1268	ND	340	ug/Kg	08/24/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	79		%	08/24/09		MH	SW 8082
% TCMX	79		%	08/24/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 27, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	08/12/09	15:45
Location Code:	F&O	Received by:	SW	08/12/09	16:44
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70				

Laboratory Data

SDG ID: GAS12662
Phoenix ID: AS12712

Project ID: WOOD GROUP
Client ID: 738090812-67 P1-114 (3-4')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	91		%	08/21/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/21/09		BB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	08/24/09		MH	SW 8082
PCB-1221	ND	360	ug/Kg	08/24/09		MH	SW 8082
PCB-1232	ND	360	ug/Kg	08/24/09		MH	SW 8082
PCB-1242	ND	360	ug/Kg	08/24/09		MH	SW 8082
PCB-1248	ND	360	ug/Kg	08/24/09		MH	SW 8082
PCB-1254	ND	360	ug/Kg	08/24/09		MH	SW 8082
PCB-1260	ND	360	ug/Kg	08/24/09		MH	SW 8082
PCB-1262	ND	360	ug/Kg	08/24/09		MH	SW 8082
PCB-1268	ND	360	ug/Kg	08/24/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	82		%	08/24/09		MH	SW 8082
% TCMX	80		%	08/24/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

QA/QC Report

August 27, 2009

QA/QC Data

SDG I.D.: GAS12662

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 134419, QC Sample No: AS12653 (AS12662, AS12695, AS12709)							
Polychlorinated Biphenyls							
PCB-1016	ND	95	87	8.8			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	96	91	5.3			
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	103	78	86	9.8			
% TCMX (Surrogate Rec)	89	92	83	10.3			
Comment:							
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.							
QA/QC Batch 133900, QC Sample No: AS12682 (AS12662, AS12663, AS12674, AS12675, AS12680, AS12681, AS12682, AS12683, AS12693, AS12695, AS12696, AS12709, AS12710)							
Polychlorinated Biphenyls							
PCB-1016	ND	91	92	1.1	99	100	1.0
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	96	107	10.8	105	112	6.5
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	82	74	79	6.5	72	79	9.3
% TCMX (Surrogate Rec)	79	54	47	13.9	53	47	12.0
QA/QC Batch 134069, QC Sample No: AS15246 (AS12662, AS12695, AS12709)							
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	81	100	21.0	104	92	12.2
% n-Pentacosane	44	56	72	25.0	66	56	16.4
QA/QC Batch 134144, QC Sample No: AS15361 (AS12664, AS12665, AS12711, AS12712)							
Polychlorinated Biphenyls							
PCB-1016	ND	100	86	15.1	90	98	8.5
PCB-1221	ND						
PCB-1232	ND						

QA/QC Data

SDG I.D.: GAS12662

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	95	86	9.9	116	111	4.4
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	67	47	45	4.3	44	43	2.3
% TCMX (Surrogate Rec)	73	60	57	5.1	61	62	1.6

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 27, 2009

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** F&O

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): AS12662, AS12663, AS12664, AS12665, AS12666, AS12667, AS12668, AS12669, AS12670, AS12671, AS12672, AS12673, AS12674, AS12675, AS12676, AS12677, AS12678, AS12679, AS12680, AS12681, AS12682, AS12683, AS12684, AS12685, AS12686, AS12687, AS12688, AS12689, AS12690, AS12691, AS12692, AS12693, AS12694, AS12695, AS12696, AS12697, AS12698, AS12699, AS12700, AS12701, AS12702, AS12703, AS12704, AS12705, AS12706, AS12707, AS12708, AS12709, AS12710, AS12711, AS12712

Sampling Date(s): 8/12/2009

RCP Methods Used:

☑ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Section: PCB Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific QC samples included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence"

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Phyllis Shiller

Date: Thursday, August 27, 2009

Printed Name: Phyllis Shiller

Position: Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

RCP Certification Report

August 27, 2009

SDG I.D.: GAS12662

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Dual_fid1 08/24/09-1 (AS12662, AS12695, AS12709)

Initial Calibration (DualFID-1 072109) - The initial calibration curve had a %RSD less than 30%, which is within method criteria.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: There were no outliers.

Printed Name Jeff Bucko
Position: Chemist
Date: 8/24/2009

QC (Batch Specific)

All LCS recoveries were within 50 - 150 with the following exceptions: None.

All LCSD recoveries were within 50 - 150 with the following exceptions: None.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

SPLP PCBs had a low DCBP surrogate recovery. The TCMX recovery was well within acceptance criteria. A bias is not suspected in the range of the PCBs reported.

Instrument: Au-ecd1 08/18/09-1 (AS12674, AS12682, AS12683, AS12693)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 8/18/2009

Instrument: Au-ecd1 08/19/09-1 (AS12682)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 8/19/2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

RCP Certification Report

August 27, 2009

SDG I.D.: GAS12662

Instrument: Au-ecd1 08/25/09-1 (AS12662, AS12695, AS12709)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 8/25/2009

Instrument: Au-ecd7 08/24/09-1 (AS12664, AS12665, AS12711, AS12712)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 8/24/2009

Instrument: Au-ecd8 08/19/09-1 (AS12662, AS12663, AS12675, AS12695, AS12696, AS12709)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 8/19/2009

Instrument: Au-ecd8 08/20/09-1 (AS12680, AS12681, AS12710)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 8/20/2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

RCP Certification Report

August 27, 2009

SDG I.D.: GAS12662

Instrument: Au-ecd8 08/26/09-1 (AS12662, AS12695, AS12709)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 8/26/2009

QC Comments: QC Batch 34419 08/24/09 (AS12662, AS12695, AS12709)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC (Site Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All MS recoveries were within 30 - 130 with the following exceptions: None.

All MSD recoveries were within 30 - 130 with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

Temperature Narration

The samples were received at 12C with cooling initiated.
No bias in the sample results are suspected due to temperature.

Printed Name Phyllis Shiller
Position: Chemist
Date: 8/27/2009 2:27:55 PM

12 of 4C

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- ☑ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other _____

CHAIN-OF-CUSTODY RECORD 18964

Turnaround
☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184R70
LABORATORY: Phoenix

REPORT TO: Kevin Vanderveer F+O
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: Matt Wyatt Date: 8/12/09

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request: * HOLD

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$; Glass Soil Container ( ) oz; Glass Soil Container ( ) oz; Other:; Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4; Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml; Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	* HOLD	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$	Glass Soil Container ( ) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
01					738090812-01	S	8/12/09	0850	✓				1								12662
02					-02			0855	✓												12663
03					-03			0900	✓												12664
04					-04			0905	✓												12665
05					-08			0925	✓												12666
06					-09			0930	✓												12667
07					-12			0950	✓												12668
08					-13			0955	✓												12669
09					-14			1000	✓												12670
10					-15			1005	✓												12671

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Matt Wyatt	Lisa	8/12	16:44
2				
3				
4				

Reporting and Detection Limit Requirements: GAPMC, ResDec, GWPC, SWPC

Additional Comments:
* Hold samples
*

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

☑ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
☐ 24 Madison Avenue Extension, Albany, NY 12203
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
☐ Other _____

18 0 w/c

CHAIN-OF-CUSTODY RECORD 18965

Turnaround
☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184R70
LABORATORY: Phoenix

REPORT TO: Kevin Vandenreen F&O
INVOICE TO: *
P.O. NO.:
Sampler's Signature: Matt Wyatt Date: 8/12/09

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	*HOLD	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container ( ) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] As is	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
11					738090812-16	S	8/12/09	1010	✓			1									12672
12					-17			1015	✓			1									12673
13					-20			1035	✓			1									12674
14					-21			1040	✓			1									12675
15					-22			1050	✓			1									12676
16					-23			1055	✓			1									12677
17					-24			1100	✓			1									12678
18					-25			1105	✓			1									12679
19					-28			1125	✓			1									12680
20					-29			1126	✓			1									12681

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Matt Wyatt	Rosa F	8/12	1624
2				
3				
4				

Reporting and Detection Limit Requirements: GAPMC, ResDec, GWPC, SWPC

Additional Comments:
* Hold Samples
* includes ① duplicate

120 W/c

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- ☑ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other _____

CHAIN-OF-CUSTODY RECORD 16664

Turnaround
☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184R70
LABORATORY: Phoenix

REPORT TO: Kevin Vanderveer F&O
INVOICE TO: ↓
P.O. No.:
Sampler's Signature: Matt Wyat Date: 8/12/09

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	* HOLD	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water [ ] Na(SO4)2	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H2SO4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H2SO4, [ ] 250 ml [ ] 500 ml	Plastic - HNO3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
21					738090812-30	S	8/12/09	1130	✓			3					12682				MS/MSD
22					-33			1145	✓			1									12683
23					-34			1150	✓												12684
24					-35			1200	✓												12685
25					-36			1205	✓												12686
26					-37			1210	✓												12687
27					-38			1215	✓												12688
28					-39			1245	✓												12689
29					-40			1250	✓												12690
30					-41			1255	✓												12691

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Matt Wyat	Lisa R	8/12	16:46
2				
3				
4				

Reporting and Detection Limit Requirements: GAPMC, ResDec, GWPC, SWPC

Additional Comments:
* Hold Samples
* Includes ① MS/MSD

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

☑ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
☐ 24 Madison Avenue Extension, Albany, NY 12203
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
☐ Other _____

Route

CHAIN-OF-CUSTODY RECORD 16678

Turnaround
☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184R70
LABORATORY: Phoenix

REPORT TO: Kevin Vandervoer F&O
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: Matt Wujak Date: 8/12/09

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	* Hold	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
31					738090812-42	S	8/12/09	1300	✓			1									12692
32					-46			1320	✓												12693
33					-47			1325	✓												12694
34					-48			1335	✓												12695
35					-49			1340	✓												12696
36					-50			1345	✓												12697
37					-51			1350	✓												12698
38					-52			1400	✓												12699
39					-53			1405	✓												12700
40					-54			~~0940~~ 1410	✓												12701

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Matt Wujak	L Bu	8/2	1634
2				
3				
4				

Reporting and Detection Limit Requirements: GAPMC, ResDec, GWPC, SWPC

Additional Comments: * HOLD samples

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

☑ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
☐ 24 Madison Avenue Extension, Albany, NY 12203
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
☐ Other _____

12 4C

CHAIN-OF-CUSTODY RECORD 16679

Turnaround
☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184R70
LABORATORY: Phoenix

REPORT TO: Kevin Vandenecar F&O
INVOICE TO: ↓
P.O. No.:
Sampler's Signature: Matt Wuycak Date: 8/12

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	* HOLD	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$	Glass Soil Container ( ) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
41					738090812-55	S	8/12/09	1415	✓			1									12702
42					-56			1425	✓												12703
43					-57			1430	✓												12704
44					-58			1435	✓												12705
45					-59			1440	✓												12706
46					-62			1510	✓												12707
47					-63			1515	✓												12708
48					-64			1530	✓												12709
49					-65			1535	✓												12710
50					-66			1540	✓												12711

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Matt Wuycak	Rizzo F	8/12	16:40
2				
3				
4				

Reporting and Detection Limit Requirements: GAPMC, ResDec, GWPC, SWPC

Additional Comments: * Hold Samples

120 wlc

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
☐ 24 Madison Avenue Extension, Albany, NY 12203
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
☐ Other _____

CHAIN-OF-CUSTODY RECORD 16663

Turnaround
☐ 1 Day* ~~Same Day~~
☐ 2 Days* ☐ Standard (____ days)
☐ Other _____ (days)
*Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184 R70
LABORATORY: Phoenix

REPORT TO: Kevin Vanderveer f+o
INVOICE TO: ↓
P.O. No.:
Sampler's Signature: Matt Wyatt
Date: 8/12/09

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request: HOLD

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water; Glass Soil Container [ ] $Na(SO_4)_2$; Glass Soil Container (8) oz; Glass Soil Container ( ) oz; Other; Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4; Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml; Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	HOLD	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container [ ] $Na(SO_4)_2$	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
51					7380908+2-67	S	8/12/09	1545	✓				1									12712

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Matt Wyatt	Lisa F	8/12	1624
2				
3				
4				

Reporting and Detection Limit Requirements: GA PMC, RSDEC, GWPC, SWPC

Additional Comments: RCP deliverables
Hold sample

PHOENIX
Environmental Laboratories, Inc.

Tuesday, August 18, 2009

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: AS12713 - AS12722

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
TX Lab Registration #T104704451-09TX
VT Lab Registration #VT11301

RmB 8/21/2009 DMS

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 ▪ Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 19, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		08/12/09	9:26
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184.R70				

Laboratory Data

SDG ID: GAS12713
Phoenix ID: AS12713

Project ID: WOOD GROUP

Client ID: 790090812-01 MW-02

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Extraction	Completed			08/12/09		O/O	SW3510/3520
Polychlorinated Biphenyls							
PCB-1016	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1221	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1232	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1242	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1248	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1254	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1260	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1262	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1268	ND	0.5	ug/L	08/13/09		MH	608/ 8082
QA/QC Surrogates							
% DCBP	62		%	08/13/09		MH	608/ 8082
% TCMX	80		%	08/13/09		MH	608/ 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 19, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 19, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		08/12/09	11:38
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184.R70				

Laboratory Data

SDG ID: GAS12713
Phoenix ID: AS12714

Project ID: WOOD GROUP

Client ID: 790090812-02 FOMW-908

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Extraction	Completed			08/12/09		O/O	SW3510/3520
Polychlorinated Biphenyls							
PCB-1016	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1221	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1232	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1242	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1248	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1254	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1260	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1262	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1268	ND	0.5	ug/L	08/13/09		MH	608/ 8082
QA/QC Surrogates							
% DCBP	66		%	08/13/09		MH	608/ 8082
% TCMX	75		%	08/13/09		MH	608/ 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 19, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 19, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		08/12/09	11:08
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184.R70				

Laboratory Data

SDG ID: GAS12713
Phoenix ID: AS12715

Project ID: WOOD GROUP
Client ID: 790090812-03 FOMW-908 (field duplicate)

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Extraction	Completed			08/12/09		O/O	SW3510/3520
Polychlorinated Biphenyls							
PCB-1016	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1221	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1232	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1242	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1248	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1254	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1260	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1262	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1268	ND	0.5	ug/L	08/13/09		MH	608/ 8082
QA/QC Surrogates							
% DCBP	66		%	08/13/09		MH	608/ 8082
% TCMX	81		%	08/13/09		MH	608/ 8082

Comments:
DUPLICATE INCLUDED
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 19, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 19, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		08/12/09	14:08
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184.R70				

Laboratory Data

SDG ID: GAS12713
Phoenix ID: AS12716

Project ID: WOOD GROUP
Client ID: 790090812-04 FOMW-903

Parameter	Result	RL	Units	Date	Time	By	Reference
MS/MSD Ext. For PCB	Completed			08/12/09			
PCB Extraction	Completed			08/12/09		O/O	SW3510/3520
QC for PCB	Completed			08/17/09			
Polychlorinated Biphenyls							
PCB-1016	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1221	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1232	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1242	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1248	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1254	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1260	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1262	ND	0.5	ug/L	08/13/09		MH	608/ 8082
PCB-1268	ND	0.5	ug/L	08/13/09		MH	608/ 8082
QA/QC Surrogates							
% DCBP	72		%	08/13/09		MH	608/ 8082
% TCMX	59		%	08/13/09		MH	608/ 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 19, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 19, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/12/09	9:45
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184.R70				

Laboratory Data

SDG ID: GAS12713
Phoenix ID: AS12717

Project ID: WOOD GROUP
Client ID: 790090812-05 P3-101 (0-1)

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	70		%	08/12/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	4800	ug/Kg	08/17/09		MH	SW 8082
PCB-1221	ND	4800	ug/Kg	08/17/09		MH	SW 8082
PCB-1232	ND	4800	ug/Kg	08/17/09		MH	SW 8082
PCB-1242	ND	4800	ug/Kg	08/17/09		MH	SW 8082
PCB-1248	ND	4800	ug/Kg	08/17/09		MH	SW 8082
PCB-1254	33000	4800	ug/Kg	08/17/09		MH	SW 8082
PCB-1260	ND	4800	ug/Kg	08/17/09		MH	SW 8082
PCB-1262	ND	4800	ug/Kg	08/17/09		MH	SW 8082
PCB-1268	ND	4800	ug/Kg	08/17/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	08/17/09		MH	SW 8082
% TCMX	Diluted Out		%	08/17/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 19, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 19, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/12/09	9:45
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184.R70				

Laboratory Data

SDG ID: GAS12713
Phoenix ID: AS12718

Project ID: WOOD GROUP
Client ID: 790090812-06 P3-101 (0-1) (field duplicate)

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	67		%	08/12/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	4800	ug/Kg	08/14/09		MH	SW 8082
PCB-1221	ND	4800	ug/Kg	08/14/09		MH	SW 8082
PCB-1232	ND	4800	ug/Kg	08/14/09		MH	SW 8082
PCB-1242	ND	4800	ug/Kg	08/14/09		MH	SW 8082
PCB-1248	ND	4800	ug/Kg	08/14/09		MH	SW 8082
PCB-1254	33000	4800	ug/Kg	08/14/09		MH	SW 8082
PCB-1260	ND	4800	ug/Kg	08/14/09		MH	SW 8082
PCB-1262	ND	4800	ug/Kg	08/14/09		MH	SW 8082
PCB-1268	ND	4800	ug/Kg	08/14/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	08/14/09		MH	SW 8082
% TCMX	Diluted Out		%	08/14/09		MH	SW 8082

Comments:
DUPLICATE INCLUDED
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller
Phyllis Shiller, Laboratory Director
August 19, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 19, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/12/09	9:55
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184.R70				

Laboratory Data

SDG ID: GAS12713
Phoenix ID: AS12719

Project ID: WOOD GROUP
Client ID: 790090812-07 P3-102 (0-1')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	82		%	08/12/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545
MS/MSD Ext. For PCB	Completed			08/13/09			
QC for PCB	Completed			08/14/09			
Polychlorinated Biphenyls							
PCB-1016	ND	4000	ug/Kg	08/14/09		MH	SW 8082
PCB-1221	ND	4000	ug/Kg	08/14/09		MH	SW 8082
PCB-1232	ND	4000	ug/Kg	08/14/09		MH	SW 8082
PCB-1242	ND	4000	ug/Kg	08/14/09		MH	SW 8082
PCB-1248	ND	4000	ug/Kg	08/14/09		MH	SW 8082
PCB-1254	38000	4000	ug/Kg	08/14/09		MH	SW 8082
PCB-1260	ND	4000	ug/Kg	08/14/09		MH	SW 8082
PCB-1262	ND	4000	ug/Kg	08/14/09		MH	SW 8082
PCB-1268	ND	4000	ug/Kg	08/14/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	08/14/09		MH	SW 8082
% TCMX	Diluted Out		%	08/14/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 19, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 19, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/12/09	10:00
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184.R70				

Laboratory Data

SDG ID: GAS12713
Phoenix ID: AS12720

Project ID: WOOD GROUP
Client ID: 790090812-08 P3-103 (0-1')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	71		%	08/12/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	4600	ug/Kg	08/14/09		MH	SW 8082
PCB-1221	ND	4600	ug/Kg	08/14/09		MH	SW 8082
PCB-1232	ND	4600	ug/Kg	08/14/09		MH	SW 8082
PCB-1242	ND	4600	ug/Kg	08/14/09		MH	SW 8082
PCB-1248	ND	4600	ug/Kg	08/14/09		MH	SW 8082
PCB-1254	13000	4600	ug/Kg	08/14/09		MH	SW 8082
PCB-1260	ND	4600	ug/Kg	08/14/09		MH	SW 8082
PCB-1262	ND	4600	ug/Kg	08/14/09		MH	SW 8082
PCB-1268	ND	4600	ug/Kg	08/14/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	08/14/09		MH	SW 8082
% TCMX	Diluted Out		%	08/14/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
August 19, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

August 19, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/12/09	10:20
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184.R70				

Laboratory Data

SDG ID: GAS12713
Phoenix ID: AS12721

Project ID: WOOD GROUP
Client ID: 790090812-09 P2-101 (0-1')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	95		%	08/12/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1221	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1232	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1242	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1248	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1254	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1260	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1262	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1268	ND	350	ug/Kg	08/13/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	92		%	08/13/09		MH	SW 8082
% TCMX	92		%	08/13/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 19, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 19, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/12/09	10:25
Location Code:	F&O	Received by:	LB	08/12/09	16:46
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184.R70				

Laboratory Data

SDG ID: GAS12713
Phoenix ID: AS12722

Project ID: WOOD GROUP
Client ID: 790090812-10 P2-102 (0-1')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	94		%	08/12/09		M-JL	E160.3
Soil Extraction for PCB	Completed			08/12/09		CB/D	SW3545
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1221	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1232	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1242	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1248	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1254	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1260	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1262	ND	350	ug/Kg	08/13/09		MH	SW 8082
PCB-1268	ND	350	ug/Kg	08/13/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	84		%	08/13/09		MH	SW 8082
% TCMX	89		%	08/13/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 19, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

QA/QC Report

August 19, 2009

QA/QC Data

SDG I.D.: GAS12713

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 133595, QC Sample No: AS12716 (AS12713, AS12714, AS12715, AS12716)							
Polychlorinated Biphenyls							
PCB-1016	ND	98	93	5.2	93	91	2.2
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	84	83	1.2	85	73	15.2
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	82	66	89	29.7	83	80	3.7
% TCMX (Surrogate Rec)	84	89	84	5.8	92	90	2.2
QA/QC Batch 133587, QC Sample No: AS12719 (AS12717, AS12718, AS12719, AS12720, AS12721, AS12722)							
Polychlorinated Biphenyls							
PCB-1016	ND	98	100	2.0	*	*	NC
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	102	104	1.9	*	*	NC
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	90	73	75	2.7	NR	NR	NC
% TCMX (Surrogate Rec)	88	76	79	3.9	NR	NR	NC

Comment:

* The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller

Phyllis Shiller, Laboratory Director
August 19, 2009

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** F&O

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): AS12713, AS12714, AS12715, AS12716, AS12717, AS12718, AS12719, AS12720, AS12721, AS12722

Sampling Date(s): 8/12/2009

RCP Methods Used:

☐ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific QC samples included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence"

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Phyllis Shiller

Date: Wednesday, August 19, 2009

Printed Name: Phyllis Shiller

Position: Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

August 19, 2009

SDG I.D.: GAS12713

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd4 08/14/09-1 (AS12716)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 8/14/2009

Instrument: Au-ecd5 08/13/09-1 (AS12713, AS12714, AS12715, AS12716)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 8/13/2009

Instrument: Au-ecd5 08/14/09-1 (AS12718, AS12719, AS12720)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 8/14/2009

Instrument: Au-ecd5 08/17/09-1 (AS12717)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

August 19, 2009

SDG I.D.: GAS12713

Printed Name Michael Hahn
Position: Chemist
Date: 8/17/2009

Instrument: Au-ecd7 08/13/09-1 (AS12721, AS12722)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 8/13/2009

QC Comments: QC Batch 33587 08/12/09 (AS12717, AS12718, AS12719, AS12720, AS12721, AS12722)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QC (Site Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All MS recoveries were within 30 - 130 with the following exceptions: None.

All MSD recoveries were within 30 - 130 with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

Temperature Narration

The samples were received at 12C with cooling initiated.
No bias in the sample results are suspected due to temperature.

Printed Name Lori Bryda
Position: Login
Date: 8/19/2009 2:35:18 PM

120 w/c

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- ☒ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other _____

CHAIN-OF-CUSTODY RECORD 17122

Turnaround
☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
~~☒ 3 Days*~~ ☒ Standard (____ days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
WOOD GROUP	WINDSOR LOCKS, CT	20051184. R70	PHOENIX

REPORT TO: Kevin Vanderveer, F+O
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: [signature] Date: 8/12/09

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request: PCB 8082

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water; Glass Soil Container ( ) oz; Glass Soil Container (8) oz; Other; Water VOA Vial, [ ] As is [ ] HCl; Glass Amber (1000) ml, [ ] As is [ ] H_2SO_4; Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml; Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCB 8082	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container ( ) oz	Glass Soil Container (8) oz	Other	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber (1000) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
1					790090812-01	MW	8.12.09	0926	✓				12713				1					
2					-02			1138					12714				1					
3					-03			1140					12715				1					Duplicate
4					-04			1408 ~~0945~~					12716				3					MS/MSD
5					-05	S		0945					12717				1					
6					-06			0945					12718				1					Duplicate
7					-07			0955					12719				3					MS/MSD
8					-08			1000					12720				1					
9					-09			1020					12721				1					
10					-10			1025					12722				1					

Transfer Number	Relinquished By	Accepted By	Date	Time
1	K. Connell	[signature]	8/12	16:40
2				
3				
4				

Reporting and Detection Limit Requirements:
GA PMC, ResDEC, GWPC, SWPC

Additional Comments:
RCP deliverables
Standard turnaround
Includes Dup and MS/MSD for Soil and water

PHOENIX
Environmental Laboratories, Inc.

Tuesday, October 06, 2009

Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: AS30545 - AS30559

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
TX Lab Registration #T104704451-09TX
VT Lab Registration #VT11301

DMS

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 ▪ Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 06, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	10/01/09	9:25
Location Code:	F&O	Received by:	SW	10/01/09	16:42
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK1				

Laboratory Data

SDG ID: GAS30545
Phoenix ID: AS30545

Project ID: WOOD GROUP
Client ID: 738091001-01 P3-101A (0-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	79		%	10/01/09		M-JL	E160.3
MS/MSD Ext. For PCB	Completed			10/02/09		PS	
Extraction for PCB	Completed			10/01/09		BB/E	SW3540C
QC for PCB	Completed			10/06/09			
Polychlorinated Biphenyls							
PCB-1016	ND	42000	ug/Kg	10/05/09		MH	3540C/8082
PCB-1221	ND	42000	ug/Kg	10/05/09		MH	3540C/8082
PCB-1232	ND	42000	ug/Kg	10/05/09		MH	3540C/8082
PCB-1242	ND	42000	ug/Kg	10/05/09		MH	3540C/8082
PCB-1248	ND	42000	ug/Kg	10/05/09		MH	3540C/8082
PCB-1254	56000	42000	ug/Kg	10/05/09		MH	3540C/8082
PCB-1260	ND	42000	ug/Kg	10/05/09		MH	3540C/8082
PCB-1262	ND	42000	ug/Kg	10/05/09		MH	3540C/8082
PCB-1268	ND	42000	ug/Kg	10/05/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	10/05/09		MH	3540C/8082
% TCMX	Diluted Out		%	10/05/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
October 06, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 06, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	10/01/09	9:55
Location Code:	F&O	Received by:	SW	10/01/09	16:42
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK1				

Laboratory Data

SDG ID: GAS30545
Phoenix ID: AS30546

Project ID: WOOD GROUP

Client ID: 738091001-04 P3-104 (0.2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	90		%	10/01/09		M-JL	E160.3
Extraction for PCB	Completed			10/01/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1221	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1232	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1242	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1248	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1254	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1260	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1262	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1268	ND	370	ug/Kg	10/05/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	75		%	10/05/09		MH	3540C/8082
% TCMX	94		%	10/05/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 06, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 06, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	10/01/09	9:56
Location Code:	F&O	Received by:	SW	10/01/09	16:42
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK1				

Laboratory Data

SDG ID: GAS30545
Phoenix ID: AS30547

Project ID: WOOD GROUP
Client ID: 738091001-05 P3-104 (0-2') Field Duplicate

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	91		%	10/01/09		M-JL	E160.3
Extraction for PCB	Completed			10/01/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1221	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1232	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1242	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1248	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1254	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1260	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1262	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1268	ND	360	ug/Kg	10/05/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	77		%	10/05/09		MH	3540C/8082
% TCMX	93		%	10/05/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 06, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 06, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	10/01/09	10:30
Location Code:	F&O	Received by:	SW	10/01/09	16:42
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK1				

Laboratory Data

SDG ID: GAS30545
Phoenix ID: AS30548

Project ID: WOOD GROUP
Client ID: 738091001-08 P3-105 (0-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	83		%	10/01/09		M-JL	E160.3
Extraction for PCB	Completed			10/01/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	4000	ug/Kg	10/05/09		MH	3540C/8082
PCB-1221	ND	4000	ug/Kg	10/05/09		MH	3540C/8082
PCB-1232	ND	4000	ug/Kg	10/05/09		MH	3540C/8082
PCB-1242	ND	4000	ug/Kg	10/05/09		MH	3540C/8082
PCB-1248	ND	4000	ug/Kg	10/05/09		MH	3540C/8082
PCB-1254	5300	4000	ug/Kg	10/05/09		MH	3540C/8082
PCB-1260	ND	4000	ug/Kg	10/05/09		MH	3540C/8082
PCB-1262	ND	4000	ug/Kg	10/05/09		MH	3540C/8082
PCB-1268	ND	4000	ug/Kg	10/05/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	10/05/09		MH	3540C/8082
% TCMX	Diluted Out		%	10/05/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 06, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 06, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	10/01/09	11:15
Location Code:	F&O	Received by:	SW	10/01/09	16:42
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK1				

Laboratory Data

SDG ID: GAS30545
Phoenix ID: AS30549

Project ID: WOOD GROUP
Client ID: 738091001-11 P3-106 (0-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	91		%	10/01/09		M-JL	E160.3
Extraction for PCB	Completed			10/01/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1221	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1232	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1242	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1248	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1254	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1260	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1262	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1268	ND	360	ug/Kg	10/05/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	75		%	10/05/09		MH	3540C/8082
% TCMX	90		%	10/05/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 06, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 06, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	10/01/09	11:45
Location Code:	F&O	Received by:	SW	10/01/09	16:42
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK1				

Laboratory Data

SDG ID: GAS30545
Phoenix ID: AS30550

Project ID: WOOD GROUP
Client ID: 738091001-14 P3-102A (0-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	90		%	10/01/09		M-JL	E160.3
Extraction for PCB	Completed			10/01/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1221	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1232	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1242	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1248	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1254	1700	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1260	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1262	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1268	ND	370	ug/Kg	10/05/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	104		%	10/05/09		MH	3540C/8082
% TCMX	93		%	10/05/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 06, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 06, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	10/01/09	12:15
Location Code:	F&O	Received by:	SW	10/01/09	16:42
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK1				

Laboratory Data

SDG ID: GAS30545
Phoenix ID: AS30551

Project ID: WOOD GROUP
Client ID: 738091001-17 P3-107 (0-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	92		%	10/01/09		M-JL	E160.3
Extraction for PCB	Completed			10/01/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1221	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1232	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1242	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1248	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1254	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1260	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1262	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1268	ND	360	ug/Kg	10/05/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	77		%	10/05/09		MH	3540C/8082
% TCMX	93		%	10/05/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 06, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 06, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	10/01/09	12:50
Location Code:	F&O	Received by:	SW	10/01/09	16:42
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK1				

Laboratory Data

SDG ID: GAS30545
Phoenix ID: AS30552

Project ID: WOOD GROUP

Client ID: 738091001-20 P3-108 (0-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	88		%	10/01/09		M-JL	E160.3
Extraction for PCB	Completed			10/01/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1221	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1232	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1242	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1248	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1254	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1260	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1262	ND	370	ug/Kg	10/05/09		MH	3540C/8082
PCB-1268	ND	370	ug/Kg	10/05/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	73		%	10/05/09		MH	3540C/8082
% TCMX	91		%	10/05/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 06, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 06, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	10/01/09	13:20
Location Code:	F&O	Received by:	SW	10/01/09	16:42
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK1				

Laboratory Data

SDG ID: GAS30545
Phoenix ID: AS30553

Project ID: WOOD GROUP
Client ID: 738091001-23 P3-109 (0-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	86		%	10/01/09		M-JL	E160.3
MS/MSD Ext. For PCB	Completed			10/02/09		PS	
Extraction for PCB	Completed			10/02/09		BB/E	SW3540C
QC for PCB	Completed			10/06/09			
Polychlorinated Biphenyls							
PCB-1016	ND	390	ug/Kg	10/05/09		MH	3540C/8082
PCB-1221	ND	390	ug/Kg	10/05/09		MH	3540C/8082
PCB-1232	ND	390	ug/Kg	10/05/09		MH	3540C/8082
PCB-1242	ND	390	ug/Kg	10/05/09		MH	3540C/8082
PCB-1248	ND	390	ug/Kg	10/05/09		MH	3540C/8082
PCB-1254	ND	390	ug/Kg	10/05/09		MH	3540C/8082
PCB-1260	ND	390	ug/Kg	10/05/09		MH	3540C/8082
PCB-1262	ND	390	ug/Kg	10/05/09		MH	3540C/8082
PCB-1268	ND	390	ug/Kg	10/05/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	68		%	10/05/09		MH	3540C/8082
% TCMX	90		%	10/05/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
October 06, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 06, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	10/01/09	13:50
Location Code:	F&O	Received by:	SW	10/01/09	16:42
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK1				

Laboratory Data

SDG ID: GAS30545
Phoenix ID: AS30554

Project ID: WOOD GROUP
Client ID: 738091001-26 P3-110 (0-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	96		%	10/01/09		M-JL	E160.3
Extraction for PCB	Completed			10/01/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	10/05/09		MH	3540C/8082
PCB-1221	ND	340	ug/Kg	10/05/09		MH	3540C/8082
PCB-1232	ND	340	ug/Kg	10/05/09		MH	3540C/8082
PCB-1242	ND	340	ug/Kg	10/05/09		MH	3540C/8082
PCB-1248	ND	340	ug/Kg	10/05/09		MH	3540C/8082
PCB-1254	ND	340	ug/Kg	10/05/09		MH	3540C/8082
PCB-1260	ND	340	ug/Kg	10/05/09		MH	3540C/8082
PCB-1262	ND	340	ug/Kg	10/05/09		MH	3540C/8082
PCB-1268	ND	340	ug/Kg	10/05/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	78		%	10/05/09		MH	3540C/8082
% TCMX	91		%	10/05/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 06, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 06, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	10/01/09	13:51
Location Code:	F&O	Received by:	SW	10/01/09	16:42
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK1				

Laboratory Data

SDG ID: GAS30545
Phoenix ID: AS30555

Project ID: WOOD GROUP
Client ID: 738091001-27 P3-110 (0-2') Field Duplicate

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	92		%	10/01/09		M-JL	E160.3
Extraction for PCB	Completed			10/01/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1221	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1232	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1242	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1248	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1254	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1260	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1262	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1268	ND	360	ug/Kg	10/05/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	76		%	10/05/09		MH	3540C/8082
% TCMX	92		%	10/05/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 06, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 06, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	10/01/09	14:20
Location Code:	F&O	Received by:	SW	10/01/09	16:42
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK1				

Laboratory Data

SDG ID: GAS30545
Phoenix ID: AS30556

Project ID: WOOD GROUP

Client ID: 738091001-30 P3-111 (0-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	68		%	10/01/09		M-JL	E160.3
Extraction for PCB	Completed			10/01/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	480	ug/Kg	10/05/09		MH	3540C/8082
PCB-1221	ND	480	ug/Kg	10/05/09		MH	3540C/8082
PCB-1232	ND	480	ug/Kg	10/05/09		MH	3540C/8082
PCB-1242	ND	480	ug/Kg	10/05/09		MH	3540C/8082
PCB-1248	ND	480	ug/Kg	10/05/09		MH	3540C/8082
PCB-1254	560	480	ug/Kg	10/05/09		MH	3540C/8082
PCB-1260	ND	480	ug/Kg	10/05/09		MH	3540C/8082
PCB-1262	ND	480	ug/Kg	10/05/09		MH	3540C/8082
PCB-1268	ND	480	ug/Kg	10/05/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	104		%	10/05/09		MH	3540C/8082
% TCMX	90		%	10/05/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 06, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 06, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	MW	10/01/09	14:40
Location Code:	F&O	Received by:	SW	10/01/09	16:42
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK1				

Laboratory Data

SDG ID: GAS30545
Phoenix ID: AS30557

Project ID: WOOD GROUP

Client ID: 738091001-32 Equipment Blank (Shovel)

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Extraction	Completed			10/02/09		O/O	SW3510/3520
Polychlorinated Biphenyls							
PCB-1016	ND	0.50	ug/L	10/05/09		MH	608/ 8082
PCB-1221	ND	0.50	ug/L	10/05/09		MH	608/ 8082
PCB-1232	ND	0.50	ug/L	10/05/09		MH	608/ 8082
PCB-1242	ND	0.50	ug/L	10/05/09		MH	608/ 8082
PCB-1248	ND	0.50	ug/L	10/05/09		MH	608/ 8082
PCB-1254	ND	0.50	ug/L	10/05/09		MH	608/ 8082
PCB-1260	ND	0.50	ug/L	10/05/09		MH	608/ 8082
PCB-1262	ND	0.50	ug/L	10/05/09		MH	608/ 8082
PCB-1268	ND	0.50	ug/L	10/05/09		MH	608/ 8082
QA/QC Surrogates							
% DCBP	94		%	10/05/09		MH	608/ 8082
% TCMX	79		%	10/05/09		MH	608/ 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 06, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 06, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	MW	10/01/09	14:42
Location Code:	F&O	Received by:	SW	10/01/09	16:42
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK1				

Laboratory Data

SDG ID: GAS30545
Phoenix ID: AS30558

Project ID: WOOD GROUP
Client ID: 738091001-33 Equipment Blank (Auger)

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Extraction	Completed			10/02/09		O/O	SW3510/3520
Polychlorinated Biphenyls							
PCB-1016	ND	0.50	ug/L	10/05/09		MH	608/ 8082
PCB-1221	ND	0.50	ug/L	10/05/09		MH	608/ 8082
PCB-1232	ND	0.50	ug/L	10/05/09		MH	608/ 8082
PCB-1242	ND	0.50	ug/L	10/05/09		MH	608/ 8082
PCB-1248	ND	0.50	ug/L	10/05/09		MH	608/ 8082
PCB-1254	ND	0.50	ug/L	10/05/09		MH	608/ 8082
PCB-1260	ND	0.50	ug/L	10/05/09		MH	608/ 8082
PCB-1262	ND	0.50	ug/L	10/05/09		MH	608/ 8082
PCB-1268	ND	0.50	ug/L	10/05/09		MH	608/ 8082
QA/QC Surrogates							
% DCBP	107		%	10/05/09		MH	608/ 8082
% TCMX	94		%	10/05/09		MH	608/ 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 06, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 06, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	MW	10/01/09	14:44
Location Code:	F&O	Received by:	SW	10/01/09	16:42
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK1				

Laboratory Data

SDG ID: GAS30545
Phoenix ID: AS30559

Project ID: WOOD GROUP
Client ID: 738091001-34 Equipment Blank (hand-geoprobe)

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Extraction	Completed			10/02/09		O/O	SW3510/3520
Polychlorinated Biphenyls							
PCB-1016	ND	0.57	ug/L	10/05/09		MH	608/ 8082
PCB-1221	ND	0.57	ug/L	10/05/09		MH	608/ 8082
PCB-1232	ND	0.57	ug/L	10/05/09		MH	608/ 8082
PCB-1242	ND	0.57	ug/L	10/05/09		MH	608/ 8082
PCB-1248	ND	0.57	ug/L	10/05/09		MH	608/ 8082
PCB-1254	ND	0.57	ug/L	10/05/09		MH	608/ 8082
PCB-1260	ND	0.57	ug/L	10/05/09		MH	608/ 8082
PCB-1262	ND	0.57	ug/L	10/05/09		MH	608/ 8082
PCB-1268	ND	0.57	ug/L	10/05/09		MH	608/ 8082
QA/QC Surrogates							
% DCBP	92		%	10/05/09		MH	608/ 8082
% TCMX	91		%	10/05/09		MH	608/ 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
October 06, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

QA/QC Report

October 08, 2009

QA/QC Data

SDG I.D.: GAS30545

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 137438, QC Sample No: AS30545 (AS30545, AS30546, AS30547, AS30548, AS30549, AS30550, AS30551, AS30552, AS30554, AS30555, AS30556)							
Polychlorinated Biphenyls							
PCB-1016	ND	118	116	1.7	*	*	NC
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	98	94	4.2	*	*	NC
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	74	51	51	0.0	NR	NR	NC
% TCMX (Surrogate Rec)	87	74	75	1.3	NR	NR	NC

Comment:

* The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QA/QC Batch 137440, QC Sample No: AS30553 (AS30553)							
Polychlorinated Biphenyls							
PCB-1016	ND	115	118	2.6	103	106	2.9
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	92	96	4.3	101	80	23.2
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	72	49	49	0.0	53	48	9.9
% TCMX (Surrogate Rec)	83	73	75	2.7	73	72	1.4
QA/QC Batch 137483, QC Sample No: AS30765 (AS30557, AS30558, AS30559)							
Polychlorinated Biphenyls							
PCB-1016	ND	87	81	7.1			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	93	87	6.7			

QA/QC Data

SDG I.D.: GAS30545

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	121	104	96	8.0			
% TCMX (Surrogate Rec)	82	83	74	11.5			

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
October 08, 2009

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** F&O

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): AS30545, AS30546, AS30547, AS30548, AS30549, AS30550, AS30551, AS30552, AS30553, AS30554, AS30555, AS30556, AS30557, AS30558, AS30559

Sampling Date(s): 10/1/2009

RCP Methods Used:

☐ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific QC samples included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence"

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Phyllis Shiller

Date: Thursday, October 08, 2009

Printed Name: Phyllis Shiller

Position: Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

October 08, 2009

SDG I.D.: GAS30545

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd5 10/05/09-1 (AS30545, AS30546, AS30547, AS30548, AS30549, AS30550, AS30551, AS30552, AS30553, AS30554, AS30555, AS30556)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/5/2009

Instrument: Au-ecd5 10/06/09-1 (AS30553)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/6/2009

Instrument: Au-ecd8 10/05/09-1 (AS30557, AS30558, AS30559)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/5/2009

QC Comments: QC Batch 37483 10/02/09 (AS30557, AS30558, AS30559)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC Comments: QC Batch 37337 10/01/09 (AS30553)

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

RCP Certification Report

October 08, 2009

SDG I.D.: GAS30545

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QC Comments: QC Batch 37438 10/02/09 (AS30545, AS30546, AS30547, AS30548, AS30549, AS30550, AS30551, AS30552, AS30554, AS30555, AS30556)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QC (Site Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All MS recoveries were within 30 - 130 with the following exceptions: None.

All MSD recoveries were within 30 - 130 with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

6° w/c

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- ☑ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other _____

CHAIN-OF-CUSTODY RECORD 20609

Turnaround
☐ 1 Day* ☑ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184R70 / task 1
LABORATORY: Phoenix

REPORT TO: Kevin Vanderveer F&O
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: Matt Wujcik Date: 10/1/09

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request: * total PCBs by Soxhlet extraction

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$; Glass Soil Container (B) oz; Glass Soil Container ( ) oz; Other: Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4; Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml; Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	* total PCBs by Soxhlet extraction	Containers	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$	Glass Soil Container (B) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
01					738091001-01	S	10/1/09	0925	✓	30545			3									MS/MSD
02					-04			0955	✓	30546			1									
03					-05			0956	✓	30547			1									No charge
04					-08			1030	✓	30548			1									
05					-11			1115	✓	30549			1									
06					-14			1145	✓	30550			1									
07					-17			1215	✓	30551			1									
08					-20			1250	✓	30552			1									
09					-23			1320	✓	30553			3									MS/MSD
10					-26			1350	✓	30554			1									

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Matt Wujcik	[signature]	10.1.09	16:42
2				
3				
4				

Reporting and Detection Limit Requirements: GA PMC & Res DEC / RCP deliverables

Additional Comments:
* includes (2) MS/MSD & (1) duplicate
* 72 hour TAT

6 of 10

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- ☑ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other _____

CHAIN-OF-CUSTODY RECORD 20610

Turnaround
☐ 1 Day* ☑ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184R70 / task 1
LABORATORY: Phoenix

REPORT TO: Kevin Vandermeer F&O
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: Matt Wlyak Date: 10/1/09

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other X= Equip blank

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	* total PCBs by Soxhlet extraction	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber (1000) ml, [X] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
11					738091001-27	S	10/1/09	1351	✓	30555		1									No Charge
12					-30	S	↓	1420	✓	30556		1									
13					-32	X	↓	1440	✓	30557					1						EB
14					-33	X	↓	1442	✓	30558					1						EB
15					-34	X	↓	1444	✓	30559					1						EB

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Matt Wlyak	Monica J. Rice	10.1.09	16:42
2				
3				
4				

Reporting and Detection Limit Requirements: GAPMC & ResDEC / RCP deliverables

Additional Comments:
* includes (1) duplicate & (3) Equip blanks
* 72 hour TAT

PHOENIX
Environmental Laboratories, Inc.

Friday, October 09, 2009

Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: AS30560, AS30564, AS30568, AS30578

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
TX Lab Registration #T104704451-09TX
VT Lab Registration #VT11301

DMS 10/20/2009

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 ▪ Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.

Friday, October 16, 2009

Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: AS30561

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
TX Lab Registration #T104704451-09TX
VT Lab Registration #VT11301

PMB 10/20/09 DMS

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 ▪ Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 09, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	10/01/09	9:35
Location Code:	F&O	Received by:	SW	10/01/09	16:42
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK1				

Laboratory Data

SDG ID: GAS30560
Phoenix ID: AS30560

Project ID: WOOD GROUP
Client ID: 738091001-02 P3-101A (2-4')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	89		%	10/07/09		M/edg/JL	E160.3
Extraction for PCB	Completed			10/06/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	370	ug/Kg	10/08/09		MH	3540C/8082
PCB-1221	ND	370	ug/Kg	10/08/09		MH	3540C/8082
PCB-1232	ND	370	ug/Kg	10/08/09		MH	3540C/8082
PCB-1242	ND	370	ug/Kg	10/08/09		MH	3540C/8082
PCB-1248	530	370	ug/Kg	10/08/09		MH	3540C/8082
PCB-1254	ND	370	ug/Kg	10/08/09		MH	3540C/8082
PCB-1260	ND	370	ug/Kg	10/08/09		MH	3540C/8082
PCB-1262	ND	370	ug/Kg	10/08/09		MH	3540C/8082
PCB-1268	ND	370	ug/Kg	10/08/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	114		%	10/08/09		MH	3540C/8082
% TCMX	97		%	10/08/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 09, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 16, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	10/01/09	9:45
Location Code:	F&O	Received by:	SW	10/01/09	16:42
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK1				

Laboratory Data

SDG ID: GAS30560
Phoenix ID: AS30561

Project ID: WOOD GROUP
Client ID: 738091001-03 P3-101A (4-6')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	89		%	10/13/09		M/JL	E160.3
Extraction for PCB	Completed			10/13/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	370	ug/Kg	10/14/09		MH	3540C/8082
PCB-1221	ND	370	ug/Kg	10/14/09		MH	3540C/8082
PCB-1232	ND	370	ug/Kg	10/14/09		MH	3540C/8082
PCB-1242	ND	370	ug/Kg	10/14/09		MH	3540C/8082
PCB-1248	ND	370	ug/Kg	10/14/09		MH	3540C/8082
PCB-1254	ND	370	ug/Kg	10/14/09		MH	3540C/8082
PCB-1260	ND	370	ug/Kg	10/14/09		MH	3540C/8082
PCB-1262	ND	370	ug/Kg	10/14/09		MH	3540C/8082
PCB-1268	ND	370	ug/Kg	10/14/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	102		%	10/14/09		MH	3540C/8082
% TCMX	88		%	10/14/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
October 16, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 09, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	10/01/09	10:40
Location Code:	F&O	Received by:	SW	10/01/09	16:42
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK1				

Laboratory Data

SDG ID: GAS30560
Phoenix ID: AS30564

Project ID: WOOD GROUP
Client ID: 738091001-09 P3-105 (2-4')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	97		%	10/07/09		M/edg/JL	E160.3
Extraction for PCB	Completed			10/06/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	10/07/09		MH	3540C/8082
PCB-1221	ND	340	ug/Kg	10/07/09		MH	3540C/8082
PCB-1232	ND	340	ug/Kg	10/07/09		MH	3540C/8082
PCB-1242	ND	340	ug/Kg	10/07/09		MH	3540C/8082
PCB-1248	ND	340	ug/Kg	10/07/09		MH	3540C/8082
PCB-1254	ND	340	ug/Kg	10/07/09		MH	3540C/8082
PCB-1260	ND	340	ug/Kg	10/07/09		MH	3540C/8082
PCB-1262	ND	340	ug/Kg	10/07/09		MH	3540C/8082
PCB-1268	ND	340	ug/Kg	10/07/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	108		%	10/07/09		MH	3540C/8082
% TCMX	90		%	10/07/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 09, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 09, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	10/01/09	11:55
Location Code:	F&O	Received by:	SW	10/01/09	16:42
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK1				

Laboratory Data

SDG ID: GAS30560
Phoenix ID: AS30568

Project ID: WOOD GROUP
Client ID: 738091001-15 P3-102A (2-4')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	89		%	10/07/09		M/edg/JL	E160.3
Extraction for PCB	Completed			10/06/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	370	ug/Kg	10/07/09		MH	3540C/8082
PCB-1221	ND	370	ug/Kg	10/07/09		MH	3540C/8082
PCB-1232	ND	370	ug/Kg	10/07/09		MH	3540C/8082
PCB-1242	ND	370	ug/Kg	10/07/09		MH	3540C/8082
PCB-1248	ND	370	ug/Kg	10/07/09		MH	3540C/8082
PCB-1254	ND	370	ug/Kg	10/07/09		MH	3540C/8082
PCB-1260	ND	370	ug/Kg	10/07/09		MH	3540C/8082
PCB-1262	ND	370	ug/Kg	10/07/09		MH	3540C/8082
PCB-1268	ND	370	ug/Kg	10/07/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	99		%	10/07/09		MH	3540C/8082
% TCMX	89		%	10/07/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 09, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 09, 2009

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MW	10/01/09	14:30
Location Code:	F&O	Received by:	SW	10/01/09	16:42
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK1				

Laboratory Data

SDG ID: GAS30560
Phoenix ID: AS30578

Project ID: WOOD GROUP
Client ID: 738091001-31 P3-111 (2-4')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	80		%	10/07/09		M/edg/JL	E160.3
Extraction for PCB	Completed			10/06/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	10/07/09		MH	3540C/8082
PCB-1221	ND	400	ug/Kg	10/07/09		MH	3540C/8082
PCB-1232	ND	400	ug/Kg	10/07/09		MH	3540C/8082
PCB-1242	ND	400	ug/Kg	10/07/09		MH	3540C/8082
PCB-1248	ND	400	ug/Kg	10/07/09		MH	3540C/8082
PCB-1254	ND	400	ug/Kg	10/07/09		MH	3540C/8082
PCB-1260	ND	400	ug/Kg	10/07/09		MH	3540C/8082
PCB-1262	ND	400	ug/Kg	10/07/09		MH	3540C/8082
PCB-1268	ND	400	ug/Kg	10/07/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	94		%	10/07/09		MH	3540C/8082
% TCMX	86		%	10/07/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 09, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

QA/QC Report

October 09, 2009

QA/QC Data

SDG I.D.: GAS30560

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 137587, QC Sample No: AS32128 (AS30560, AS30564, AS30568, AS30578)							
Polychlorinated Biphenyls							
PCB-1016	ND	117	116	0.9	*	*	NC
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	89	93	4.4	116	116	0.0
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	75	49	50	2.0	51	49	4.0
% TCMX (Surrogate Rec)	92	75	76	1.3	78	76	2.6

Comment:

* The MS/MSD could not be reported due to matrix interference in the unspiked sample. LCS\LCSD recoveries were within QA/QC limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
October 09, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

QA/QC Report

October 16, 2009

QA/QC Data

SDG I.D.: GAS30560

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 138467, QC Sample No: AS30561 (AS30561)							
Polychlorinated Biphenyls							
PCB-1016	ND	90	92	2.2	105	103	1.9
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	86	84	2.4	97	94	3.1
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	99	73	66	10.1	82	77	6.3
% TCMX (Surrogate Rec)	82	65	57	13.1	71	71	0.0

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
October 16, 2009

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** F&O

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): AS30560, AS30561, AS30562, AS30563, AS30564, AS30565, AS30566, AS30567, AS30568, AS30569, AS30570, AS30571, AS30572, AS30573, AS30574, AS30575, AS30576, AS30577, AS30578

Sampling Date(s): 10/1/2009

RCP Methods Used:

☐ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific QC samples included in the data set?	☐ Yes ☐ No ☑ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence"

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: _____

Date: Monday, October 12, 2009

Printed Name: Greg Lawrence

Position: Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

October 12, 2009

SDG I.D.: GAS30560

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 10/07/09-1 (AS30564, AS30568, AS30578)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/7/2009

Instrument: Au-ecd5 10/08/09-1 (AS30560)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/8/2009

QC Comments: QC Batch 37587 10/05/09 (AS30560, AS30564, AS30568, AS30578)

The MS/MSD could not be reported due to matrix interference in the unspiked sample. LCS\LCSD recoveries were within QA/QC limits.

QC (Batch Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

6" WIC

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- ☑ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other _____

CHAIN-OF-CUSTODY RECORD 20611

Turnaround
☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184R70 / task 1
LABORATORY: Phoenix

REPORT TO: Kevin Vanderveer F&O
INVOICE TO: ↓
P.O. No.:
Sampler's Signature: Matt Wujak Date: 10/1/09

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	* Hold	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container ( ) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
16					738091001-02	5	10/1/09	0935	✓								1				30560
17					-03			0945	✓								1				30561
18					-06			1005	✓								1				30562
19					-07			1015	✓								1				30563
20					-09			1040	✓								1				30564
21					-10			1050	✓								1				30565
22					-12			1125	✓								1				30566
23					-13			1135	✓								1				30567
24					-15			1155	✓								1				30568
25					-16			1205	✓								1				30569

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Matt Wujak	Monica J. Peer	10.1.09	16:42
2				
3				
4				

Reporting and Detection Limit Requirements: GA PMC & ResDEC RCP deliverables

Additional Comments:
* Hold samples

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- ☑ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other _____

CHAIN-OF-CUSTODY RECORD 20612

Turnaround
☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184R70 / task 1
LABORATORY: Phoenix

REPORT TO: Kevin Vanderveer F&O
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: Matt Wujcik Date: 10/1/09

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	* Hold	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is	Plastic - As is, [ ] 250 ml	Plastic - H_2SO_4, [ ] 250 ml	Plastic - HNO_3, 250 ml	Plastic - NaOH, 250 ml	[ ] $Na(SO_4)_2$	[ ] 500 ml	[ ] 1000 ml	[ ] Filtered	[ ] Unfiltered	Comments
26					738091001-18	S	10/1/09	1225	✓			1														30570
27					-19			1235	✓			1														30571
28					-21			1300	✓			1														30572
29					-22			1310	✓			1														30573
30					-24			1330	✓			1														30574
31					-25			1340	✓			1														30575
32					-28			1400	✓			1														30576
33					-29			1410	✓			1														30577
34					-31			1430	✓			1														30578

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Matt Wujcik	Veronica Rice	10.1.09	16:42
2				
3				
4				

Reporting and Detection Limit Requirements: GA PMC & RESDEC / RCP deliverables

Additional Comments:
* Hold samples

PHOENIX
Environmental Laboratories, Inc.

Monday, October 12, 2009

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: AS30877 - AS30886, AS30890

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
TX Lab Registration #T104704451-09TX
VT Lab Registration #VT11301

DMS 10/20/09

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 ▪ Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.

Monday, October 19, 2009

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: AS30879

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
TX Lab Registration #T104704451-09TX
VT Lab Registration #VT11301

PMB 10/20/2009 DMS

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 ▪ Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 12, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/02/09	9:10
Location Code:	F&O	Received by:	LB	10/02/09	15:08
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS30877
Phoenix ID: AS30877

Project ID: WOOD GROUP

Client ID: 738091002-35 P1-117 (0.5-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	92		%	10/02/09		M-JL	E160.3
Extraction for PCB	Completed			10/02/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	3500	ug/Kg	10/06/09		MH	3540C/8082
PCB-1221	ND	3500	ug/Kg	10/06/09		MH	3540C/8082
PCB-1232	ND	3500	ug/Kg	10/06/09		MH	3540C/8082
PCB-1242	ND	3500	ug/Kg	10/06/09		MH	3540C/8082
PCB-1248	*	3500	ug/Kg	10/06/09		MH	3540C/8082
PCB-1254	*	3500	ug/Kg	10/06/09		MH	3540C/8082
PCB-1260	ND	3500	ug/Kg	10/06/09		MH	3540C/8082
PCB-1262	ND	3500	ug/Kg	10/06/09		MH	3540C/8082
PCB-1268	ND	3500	ug/Kg	10/06/09		MH	3540C/8082
Total PCBs	8300	3500	ug/Kg	10/06/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	10/06/09		MH	3540C/8082
% TCMX	Diluted Out		%	10/06/09		MH	3540C/8082

Project ID: WOOD GROUP
Client ID: 738091002-35

P1-117 (0.5-2')

Phoenix I.D.: AS30877

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 12, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 12, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/02/09	9:30
Location Code:	F&O	Received by:	LB	10/02/09	15:08
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS30877
Phoenix ID: AS30878

Project ID: WOOD GROUP

Client ID: 738091002-38 PI-118 (0.5-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	95		%	10/02/09		M-JL	E160.3
Extraction for PCB	Completed			10/02/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1221	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1232	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1242	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1248	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1254	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1260	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1262	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1268	ND	350	ug/Kg	10/05/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	99		%	10/05/09		MH	3540C/8082
% TCMX	85		%	10/05/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 12, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 19, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/02/09	10:00
Location Code:	F&O	Received by:	LB	10/02/09	15:08
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS30877
Phoenix ID: AS30879

Project ID: WOOD GROUP
Client ID: 738091002-41 P1-119 (0.5-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	93		%	10/02/09		M-JL	E160.3
Extraction for PCB	Completed			10/02/09		BB/E	SW3540C
SPLP PCB Extraction	Completed			10/18/09		O/O	SW3510/3520
SPLP Extraction for Organics	Completed			10/16/09		O	EPA1312
SPLP Polychlorinated Biphenyls							
PCB-1016	ND	0.5	ug/L	10/19/09		MH	SW8082
PCB-1221	ND	0.5	ug/L	10/19/09		MH	SW8082
PCB-1232	ND	0.5	ug/L	10/19/09		MH	SW8082
PCB-1242	ND	0.5	ug/L	10/19/09		MH	SW8082
PCB-1248	ND	0.5	ug/L	10/19/09		MH	SW8082
PCB-1254	ND	0.5	ug/L	10/19/09		MH	SW8082
PCB-1260	ND	0.5	ug/L	10/19/09		MH	SW8082
PCB-1262	ND	0.5	ug/L	10/19/09		MH	SW8082
PCB-1268	ND	0.5	ug/L	10/19/09		MH	SW8082
QA/QC Surrogates							
%DCBP (Surrogate Rec)	37		%	10/19/09		MH	SW8082
%TCMX (Surrogate Rec)	84		%	10/19/09		MH	SW8082
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	10/06/09		MH	3540C/8082
PCB-1221	ND	350	ug/Kg	10/06/09		MH	3540C/8082
PCB-1232	ND	350	ug/Kg	10/06/09		MH	3540C/8082
PCB-1242	ND	350	ug/Kg	10/06/09		MH	3540C/8082
PCB-1248	*	350	ug/Kg	10/06/09		MH	3540C/8082
PCB-1254	*	350	ug/Kg	10/06/09		MH	3540C/8082
PCB-1260	ND	350	ug/Kg	10/06/09		MH	3540C/8082
PCB-1262	ND	350	ug/Kg	10/06/09		MH	3540C/8082
PCB-1268	ND	350	ug/Kg	10/06/09		MH	3540C/8082
Total PCBs	890	350	ug/Kg	10/06/09		MH	3540C/8082

Project ID: WOOD GROUP
Client ID: 738091002-41 P1-119 (0.5-2')

Phoenix I.D.: AS30879

Parameter	Result	RL	Units	Date	Time	By	Reference
QA/QC Surrogates							
% DCBP	106		%	10/06/09		MH	3540C/8082
% TCMX	103		%	10/06/09		MH	3540C/8082

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 19, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 12, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/02/09	10:02
Location Code:	F&O	Received by:	LB	10/02/09	15:08
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS30877
Phoenix ID: AS30880

Project ID: WOOD GROUP
Client ID: 738091002-42 PI-119 (0.5-2') Field Duplicate

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	94		%	10/02/09		M-JL	E160.3
Extraction for PCB	Completed			10/02/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1221	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1232	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1242	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1248	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1254	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1260	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1262	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1268	ND	350	ug/Kg	10/05/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	110		%	10/05/09		MH	3540C/8082
% TCMX	94		%	10/05/09		MH	3540C/8082

Comments:
DUPLICATE INCLUDED
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller
Phyllis Shiller, Laboratory Director
October 12, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 12, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/02/09	10:25
Location Code:	F&O	Received by:	LB	10/02/09	15:08
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS30877
Phoenix ID: AS30881

Project ID: WOOD GROUP
Client ID: 738091002-45 P1-120 (0.5-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	91		%	10/02/09		M-JL	E160.3
MS/MSD Ext. For PCB	Completed			10/02/09		PL	
Extraction for PCB	Completed			10/02/09		BB/E	SW3540C
QC for PCB	Completed			10/07/09			
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1221	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1232	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1242	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1248	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1254	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1260	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1262	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1268	ND	360	ug/Kg	10/05/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	104		%	10/05/09		MH	3540C/8082
% TCMX	89		%	10/05/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
October 12, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 12, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/02/09	10:50
Location Code:	F&O	Received by:	LB	10/02/09	15:08
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS30877
Phoenix ID: AS30882

Project ID: WOOD GROUP
Client ID: 738091002-48 PI-121 (0.5-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	95		%	10/02/09		M-JL	E160.3
Extraction for PCB	Completed			10/02/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1221	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1232	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1242	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1248	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1254	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1260	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1262	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1268	ND	350	ug/Kg	10/05/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	101		%	10/05/09		MH	3540C/8082
% TCMX	86		%	10/05/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 12, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 12, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/02/09	11:20
Location Code:	F&O	Received by:	LB	10/02/09	15:08
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS30877
Phoenix ID: AS30883

Project ID: WOOD GROUP
Client ID: 738091002-51 P1-122 (0.5-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	94		%	10/02/09		M-JL	E160.3
Extraction for PCB	Completed			10/02/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1221	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1232	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1242	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1248	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1254	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1260	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1262	ND	350	ug/Kg	10/05/09		MH	3540C/8082
PCB-1268	ND	350	ug/Kg	10/05/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	101		%	10/05/09		MH	3540C/8082
% TCMX	87		%	10/05/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 12, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 12, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/02/09	12:05
Location Code:	F&O	Received by:	LB	10/02/09	15:08
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS30877
Phoenix ID: AS30884

Project ID: WOOD GROUP
Client ID: 738091002-54 P1-123 (0.5-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	93		%	10/02/09		M-JL	E160.3
Extraction for PCB	Completed			10/02/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1221	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1232	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1242	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1248	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1254	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1260	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1262	ND	360	ug/Kg	10/05/09		MH	3540C/8082
PCB-1268	ND	360	ug/Kg	10/05/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	103		%	10/05/09		MH	3540C/8082
% TCMX	90		%	10/05/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 12, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 12, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	MW	10/02/09	12:00
Location Code:	F&O	Received by:	LB	10/02/09	15:08
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS30877
Phoenix ID: AS30885

Project ID: WOOD GROUP
Client ID: 738091002-57 Equipment Blank

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Extraction	Completed			10/02/09		O/O	SW3510/3520
Polychlorinated Biphenyls							
PCB-1016	ND	0.51	ug/L	10/05/09		MH	608/ 8082
PCB-1221	ND	0.51	ug/L	10/05/09		MH	608/ 8082
PCB-1232	ND	0.51	ug/L	10/05/09		MH	608/ 8082
PCB-1242	ND	0.51	ug/L	10/05/09		MH	608/ 8082
PCB-1248	ND	0.51	ug/L	10/05/09		MH	608/ 8082
PCB-1254	ND	0.51	ug/L	10/05/09		MH	608/ 8082
PCB-1260	ND	0.51	ug/L	10/05/09		MH	608/ 8082
PCB-1262	ND	0.51	ug/L	10/05/09		MH	608/ 8082
PCB-1268	ND	0.51	ug/L	10/05/09		MH	608/ 8082
QA/QC Surrogates							
% DCBP	94		%	10/05/09		MH	608/ 8082
% TCMX	92		%	10/05/09		MH	608/ 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 12, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 12, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/02/09	9:12
Location Code:	F&O	Received by:	LB	10/02/09	15:08
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS30877
Phoenix ID: AS30886

Project ID: WOOD GROUP
Client ID: 738091002-36 P1-117 (2-4')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	96		%	10/07/09		c/JL	E160.3
Extraction for PCB	Completed			10/07/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1221	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1232	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1242	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1248	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1254	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1260	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1262	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1268	ND	340	ug/Kg	10/08/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	97		%	10/08/09		MH	3540C/8082
% TCMX	84		%	10/08/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 12, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 12, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/02/09	10:06
Location Code:	F&O	Received by:	LB	10/02/09	15:08
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS30877
Phoenix ID: AS30890

Project ID: WOOD GROUP
Client ID: 738091002-43 P1-119 (2-4')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	96		%	10/07/09		c/JL	E160.3
Extraction for PCB	Completed			10/07/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1221	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1232	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1242	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1248	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1254	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1260	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1262	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1268	ND	340	ug/Kg	10/08/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	96		%	10/08/09		MH	3540C/8082
% TCMX	87		%	10/08/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
October 12, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

QA/QC Report

October 12, 2009

QA/QC Data

SDG I.D.: GAS30877

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 137483, QC Sample No: AS30765 (AS30885)							
Polychlorinated Biphenyls							
PCB-1016	ND	87	81	7.1			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	93	87	6.7			
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	121	104	96	8.0			
% TCMX (Surrogate Rec)	82	83	74	11.5			
Comment:							
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.							
QA/QC Batch 137457, QC Sample No: AS30881 (AS30877, AS30878, AS30879, AS30880, AS30881, AS30882, AS30883, AS30884)							
Polychlorinated Biphenyls							
PCB-1016	ND	111	102	8.5	110	108	1.8
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	110	108	1.8	116	118	1.7
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	76	66	73	10.1	77	70	9.5
% TCMX (Surrogate Rec)	81	53	58	9.0	60	57	5.1
QA/QC Batch 137830, QC Sample No: AS30890 (AS30886, AS30890)							
Polychlorinated Biphenyls							
PCB-1016	ND	104	115	10.0	79	88	10.8
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	115	117	1.7	89	111	22.0
PCB-1262	ND						

QA/QC Data

SDG I.D.: GAS30877

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
PCB-1268	ND						
% DCBP (Surrogate Rec)	95	95	99	4.1	96	92	4.3
% TCMX (Surrogate Rec)	81	69	74	7.0	60	72	18.2

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
October 12, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

QA/QC Report

October 19, 2009

QA/QC Data

SDG I.D.: GAS30877

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 137457, QC Sample No: AS30881 (AS30879)							
Polychlorinated Biphenyls							
PCB-1016	ND	111	102	8.5	110	108	1.8
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	110	108	1.8	116	118	1.7
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	76	66	73	10.1	77	70	9.5
% TCMX (Surrogate Rec)	81	53	58	9.0	60	57	5.1

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
October 19, 2009

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** F&O

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): AS30877, AS30878, AS30879, AS30880, AS30881, AS30882, AS30883, AS30884, AS30885, AS30886, AS30887, AS30888, AS30889, AS30890, AS30891, AS30892, AS30893, AS30894, AS30895, AS30896, AS30897, AS30898, AS30899

Sampling Date(s): 10/2/2009

RCP Methods Used:

☐ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☐ Yes ☑ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific QC samples included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence"

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Greg Lawrence

Date: Tuesday, October 13, 2009

Printed Name: Greg Lawrence

Position: Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

October 13, 2009

SDG I.D.: GAS30877

For sample ID 738091002-35 the requested criteria could not be achieved due to the concentration of PCBs in the sample.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd5 10/06/09-1 (AS30877, AS30879)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/6/2009

Instrument: Au-ecd7 10/05/09-1 (AS30878, AS30880, AS30881, AS30882, AS30883, AS30884)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/5/2009

Instrument: Au-ecd7 10/06/09-1 (AS30881)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/6/2009

Instrument: Au-ecd8 10/05/09-1 (AS30885)

8082 Narration:

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

RCP Certification Report

October 13, 2009

SDG I.D.: GAS30877

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/5/2009

Instrument: Au-ecd8 10/08/09-1 (AS30886, AS30890)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/8/2009

Instrument: Au-ecd8 10/09/09-1 (AS30890)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/9/2009

QC Comments: QC Batch 37483 10/02/09 (AS30885)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

RCP Certification Report

October 13, 2009

SDG I.D.: GAS30877

QC (Site Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All MS recoveries were within 30 - 130 with the following exceptions: None.

All MSD recoveries were within 30 - 130 with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

Temperature Narration

The samples were received at 7C with cooling initiated.
No bias in the sample results are suspected due to temperature.

Printed Name Lori Bryda
Position: Login
Date: 10/13/2009 11:58:10 AM

7° wk 1/3

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- ☑ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lyndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other _____

CHAIN-OF-CUSTODY RECORD 20613

Turnaround
☐ 1 Day* ☑ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184R70 / task 1
LABORATORY: Phoenix

REPORT TO: Kevin Vanderveer F&O
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: Matt Wujcik Date: 10/2/09

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other X= Equipment blank

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	* total PCBs by soxhlet extraction	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber (1000) ml, [X] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
01					738091002-35	S	10/2/09	0910	✓			1				30877					
02					-38	↓	↓	0930	✓			1				30878					
03					-41	↓	↓	1000	✓			1				30879					
04					-42	↓	↓	1002	✓			1				30880					No charge
05					-45	↓	↓	1025	✓			3				30881					MS/MSD
06					-48	↓	↓	1050	✓			1				30882					
07					-51	↓	↓	1120	✓			1				30883					
08					-54	↓	↓	1205	✓			1				30884					
09					-57	X	↓	1200	✓						1	30885					

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Matt Wujcik	[illegible]	10/2	15:08
2				
3				
4				

Reporting and Detection Limit Requirements: GA PMC + Res DEC / RCP deliverables

Additional Comments:
* includes ① duplicate + ① MS/MSD + ① Equipment blank
* 72-hour TAT

70 we 2/3

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- ☑ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other _____

CHAIN-OF-CUSTODY RECORD 20614

Turnaround
☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184R70/task 1
LABORATORY: Phoenix

REPORT TO: Kevin Vanderveer F+O
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: Matt Wujak Date: 10/2/09

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	* Hold Samples	Soil VOA Vial, [ ] methanol [ ] water	Soil VOA Vial, [ ] $Na(SO_4)_2$	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
10					738091002-36	S	10/2/09	0912	✓			1									30886
11					-37	↓	↓	0920	✓			1									30887
12					-39			0932	✓			1									30888
13					-40			0940	✓			1									30889
14					-43			~~0952~~ 1000	✓			1									30890
15					-44			~~1000~~ 1015	✓			1									30891
16					-46			1027	✓			1									30892
17					-47			1035	✓			1									30893
18					-49			1052	✓			1									30894
19					-50	↓	↓	1105	✓			1									30895

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Matt Wujak	[illegible]	10/2	15:08
2				
3				
4				

Reporting and Detection Limit Requirements: GAPMC & ResDEC / RCP deliverables

Additional Comments:
* Hold Samples

nozlc 3/3

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- ☑ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lyndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other _____

CHAIN-OF-CUSTODY RECORD 20615

Turnaround
☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184R70 | task 1
LABORATORY: Phoenix

REPORT TO: Kevin Vandervreer F+O
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: Matt Wyck Date: 10/2/09

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	* Hold Samples	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
20					738091002-52	S	10/2/09	1122	✓			1									308960
21					-53	↓	↓	1135	✓			1									308897
22					-55	↓	↓	1207	✓			1									308898
23					-56	↓	↓	1215	✓			1									308899

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Matt Wyck	[illegible]	10/2	15:08
2				
3				
4				

Reporting and Detection Limit Requirements: GAPMC + Res DEC / RCP deliverables

Additional Comments:
* Hold Samples

PHOENIX
Environmental Laboratories, Inc.

Monday, October 19, 2009

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: AS32136, AS32144

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
TX Lab Registration #T104704451-09TX
VT Lab Registration #VT11301

DMS

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 ▪ Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.

Tuesday, October 20, 2009

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: AS32143

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
TX Lab Registration #T104704451-09TX
VT Lab Registration #VT11301

pmb 10/26/2009 DMS

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 ▪ Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.

Wednesday, October 14, 2009

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: AS32117 - AS32131, AS32135, AS32137, AS32143

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
TX Lab Registration #T104704451-09TX
VT Lab Registration #VT11301

DMS

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 ▪ Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 14, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/05/09	9:45
Location Code:	F&O	Received by:	LB	10/05/09	14:25
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS32117
Phoenix ID: AS32117

Project ID: WOOD GROUP
Client ID: 738091005-58 PI-124 (0.4-0.6')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	98		%	10/05/09		M-JL	E160.3
Extraction for PCB	Completed			10/05/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	330	ug/Kg	10/06/09		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	10/06/09		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	10/06/09		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	10/06/09		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	10/06/09		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	10/06/09		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	10/06/09		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	10/06/09		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	10/06/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	94		%	10/06/09		MH	3540C/8082
% TCMX	92		%	10/06/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 14, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 14, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/05/09	10:00
Location Code:	F&O	Received by:	LB	10/05/09	14:25
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS32117
Phoenix ID: AS32118

Project ID: WOOD GROUP
Client ID: 738091005-59 PI-124 (0.7-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	96		%	10/05/09		M-JL	E160.3
Extraction for PCB	Completed			10/05/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1221	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1232	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1242	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1248	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1254	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1260	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1262	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1268	ND	340	ug/Kg	10/06/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	94		%	10/06/09		MH	3540C/8082
% TCMX	91		%	10/06/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 14, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 14, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/05/09	10:30
Location Code:	F&O	Received by:	LB	10/05/09	14:25
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS32117
Phoenix ID: AS32119

Project ID: WOOD GROUP
Client ID: 738091005-61 P1-125 (0.5-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	98		%	10/05/09		M-JL	E160.3
Extraction for PCB	Completed			10/05/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1221	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1232	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1242	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1248	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1254	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1260	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1262	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1268	ND	340	ug/Kg	10/06/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	96		%	10/06/09		MH	3540C/8082
% TCMX	91		%	10/06/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 14, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 14, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/05/09	10:55
Location Code:	F&O	Received by:	LB	10/05/09	14:25
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS32117
Phoenix ID: AS32120

Project ID: WOOD GROUP
Client ID: 738091005-64 P1-126 (0.5-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	97		%	10/05/09		M-JL	E160.3
Extraction for PCB	Completed			10/05/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1221	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1232	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1242	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1248	*	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1254	*	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1260	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1262	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1268	ND	340	ug/Kg	10/08/09		MH	3540C/8082
Total PCBs	3600	340	ug/Kg	10/08/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	107		%	10/08/09		MH	3540C/8082
% TCMX	114		%	10/08/09		MH	3540C/8082

Project ID: WOOD GROUP
Client ID: 738091005-64

P1-126 (0.5-2')

Phoenix I.D.: AS32120

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 14, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 14, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/05/09	10:57
Location Code:	F&O	Received by:	LB	10/05/09	14:25
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS32117
Phoenix ID: AS32121

Project ID: WOOD GROUP
Client ID: 738091005-65 PI-126 (0.5-2') Field Duplicate

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	96		%	10/05/09		M-JL	E160.3
Extraction for PCB	Completed			10/05/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1221	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1232	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1242	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1248	*	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1254	*	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1260	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1262	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1268	ND	340	ug/Kg	10/08/09		MH	3540C/8082
Total PCBs	3400	340	ug/Kg	10/08/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	109		%	10/08/09		MH	3540C/8082
% TCMX	114		%	10/08/09		MH	3540C/8082

Project ID: WOOD GROUP P1-126 (0.5-2') Field Duplicate Phoenix I.D.: AS32121
Client ID: 738091005-65

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

DUPLICATE INCLUDED* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 14, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 19, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/05/09	11:10
Location Code:	F&O	Received by:	LB	10/05/09	14:25
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS32117
Phoenix ID: AS32136

Project ID: WOOD GROUP
Client ID: 738091005-67 P1-126 (4-6')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	97		%	10/16/09		c/JL	E160.3
Extraction for PCB	Completed			10/16/09		BB/DE	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	330	ug/Kg	10/17/09		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	10/17/09		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	10/17/09		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	10/17/09		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	10/17/09		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	10/17/09		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	10/17/09		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	10/17/09		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	10/17/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	72		%	10/17/09		MH	3540C/8082
% TCMX	83		%	10/17/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 19, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 14, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/05/09	11:25
Location Code:	F&O	Received by:	LB	10/05/09	14:25
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS32117
Phoenix ID: AS32122

Project ID: WOOD GROUP
Client ID: 738091005-68 PI-127 (0.5-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	94		%	10/05/09		M-JL	E160.3
MS/MSD Ext. For PCB	Completed			10/08/09		E	
Extraction for PCB	Completed			10/05/09		BB/E	SW3540C
QC for PCB	Completed			10/07/09			
Polychlorinated Biphenyls							
PCB-1016	ND	350000	ug/Kg	10/06/09		MH	3540C/8082
PCB-1221	ND	350000	ug/Kg	10/06/09		MH	3540C/8082
PCB-1232	ND	350000	ug/Kg	10/06/09		MH	3540C/8082
PCB-1242	ND	350000	ug/Kg	10/06/09		MH	3540C/8082
PCB-1248	450000	350000	ug/Kg	10/06/09		MH	3540C/8082
PCB-1254	ND	350000	ug/Kg	10/06/09		MH	3540C/8082
PCB-1260	ND	350000	ug/Kg	10/06/09		MH	3540C/8082
PCB-1262	ND	350000	ug/Kg	10/06/09		MH	3540C/8082
PCB-1268	ND	350000	ug/Kg	10/06/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	10/06/09		MH	3540C/8082
% TCMX	Diluted Out		%	10/06/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
October 14, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 14, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/05/09	11:50
Location Code:	F&O	Received by:	LB	10/05/09	14:25
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS32117
Phoenix ID: AS32123

Project ID: WOOD GROUP
Client ID: 738091005-71 P1-128 (0.5-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	94		%	10/05/09		M-JL	E160.3
Extraction for PCB	Completed			10/05/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	10/06/09		MH	3540C/8082
PCB-1221	ND	350	ug/Kg	10/06/09		MH	3540C/8082
PCB-1232	ND	350	ug/Kg	10/06/09		MH	3540C/8082
PCB-1242	ND	350	ug/Kg	10/06/09		MH	3540C/8082
PCB-1248	ND	350	ug/Kg	10/06/09		MH	3540C/8082
PCB-1254	ND	350	ug/Kg	10/06/09		MH	3540C/8082
PCB-1260	ND	350	ug/Kg	10/06/09		MH	3540C/8082
PCB-1262	ND	350	ug/Kg	10/06/09		MH	3540C/8082
PCB-1268	ND	350	ug/Kg	10/06/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	94		%	10/06/09		MH	3540C/8082
% TCMX	90		%	10/06/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
October 14, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 14, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/05/09	12:45
Location Code:	F&O	Received by:	LB	10/05/09	14:25
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS32117
Phoenix ID: AS32124

Project ID: WOOD GROUP
Client ID: 738091005-74 PI-129 (0.5-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	99		%	10/05/09		M-JL	E160.3
Extraction for PCB	Completed			10/05/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	330	ug/Kg	10/06/09		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	10/06/09		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	10/06/09		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	10/06/09		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	10/06/09		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	10/06/09		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	10/06/09		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	10/06/09		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	10/06/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	89		%	10/06/09		MH	3540C/8082
% TCMX	88		%	10/06/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 14, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 14, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/05/09	13:15
Location Code:	F&O	Received by:	LB	10/05/09	14:25
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS32117
Phoenix ID: AS32125

Project ID: WOOD GROUP
Client ID: 738091005-77 P1-130 (0.5-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	97		%	10/05/09		M-JL	E160.3
Extraction for PCB	Completed			10/05/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1221	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1232	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1242	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1248	*	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1254	*	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1260	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1262	ND	340	ug/Kg	10/08/09		MH	3540C/8082
PCB-1268	ND	340	ug/Kg	10/08/09		MH	3540C/8082
Total PCBs	2600	340	ug/Kg	10/08/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	100		%	10/08/09		MH	3540C/8082
% TCMX	110		%	10/08/09		MH	3540C/8082

Project ID: WOOD GROUP
Client ID: 738091005-77

P1-130 (0.5-2')

Phoenix I.D.: AS32125

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by using the total area of the PCB pattern to that of the acroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 14, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 20, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/05/09	13:17
Location Code:	F&O	Received by:	LB	10/05/09	14:25
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS32117
Phoenix ID: AS32143

Project ID: WOOD GROUP
Client ID: 738091005-78 P1-130 (2-4')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	95		%	10/08/09		c/JL	E160.3
Extraction for PCB	Completed			10/08/09		BB/E	SW3540C
SPLP PCB Extraction	Completed			10/18/09		O/O	SW3510/3520
SPLP Extraction for Organics	Completed			10/16/09		O	EPA1312
SPLP Polychlorinated Biphenyls							
PCB-1016	ND	0.5	ug/L	10/19/09		MH	SW8082
PCB-1221	ND	0.5	ug/L	10/19/09		MH	SW8082
PCB-1232	ND	0.5	ug/L	10/19/09		MH	SW8082
PCB-1242	ND	0.5	ug/L	10/19/09		MH	SW8082
PCB-1248	ND	0.5	ug/L	10/19/09		MH	SW8082
PCB-1254	ND	0.5	ug/L	10/19/09		MH	SW8082
PCB-1260	ND	0.5	ug/L	10/19/09		MH	SW8082
PCB-1262	ND	0.5	ug/L	10/19/09		MH	SW8082
PCB-1268	ND	0.5	ug/L	10/19/09		MH	SW8082
QA/QC Surrogates							
%DCBP (Surrogate Rec)	<30*		%	10/19/09		MH	SW8082
%TCMX (Surrogate Rec)	97		%	10/19/09		MH	SW8082
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	10/13/09		MH	3540C/8082
PCB-1221	ND	340	ug/Kg	10/13/09		MH	3540C/8082
PCB-1232	ND	340	ug/Kg	10/13/09		MH	3540C/8082
PCB-1242	ND	340	ug/Kg	10/13/09		MH	3540C/8082
PCB-1248	1300*	340	ug/Kg	10/13/09		MH	3540C/8082
PCB-1254	ND	340	ug/Kg	10/13/09		MH	3540C/8082
PCB-1260	ND	340	ug/Kg	10/13/09		MH	3540C/8082
PCB-1262	ND	340	ug/Kg	10/13/09		MH	3540C/8082
PCB-1268	ND	340	ug/Kg	10/13/09		MH	3540C/8082

Project ID: WOOD GROUP
Client ID: 738091005-78

P1-130 (2-4')

Phoenix I.D.: AS32143

Parameter	Result	RL	Units	Date	Time	By	Reference
QA/QC Surrogates							
% DCBP	118		%	10/13/09		MH	3540C/8082
% TCMX	100		%	10/13/09		MH	3540C/8082

Comments:

The PCB pattern did not resemble any of the standards, but most closely resembles aroclor 1248.

* Poor surrogate recovery was observed.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 20, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 19, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/05/09	13:25
Location Code:	F&O	Received by:	LB	10/05/09	14:25
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS32117
Phoenix ID: AS32144

Project ID: WOOD GROUP
Client ID: 738091005-79 PI-130 (4-6')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	95		%	10/16/09		c/JL	E160.3
Extraction for PCB	Completed			10/16/09		BB/DE	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	10/17/09		MH	3540C/8082
PCB-1221	ND	340	ug/Kg	10/17/09		MH	3540C/8082
PCB-1232	ND	340	ug/Kg	10/17/09		MH	3540C/8082
PCB-1242	ND	340	ug/Kg	10/17/09		MH	3540C/8082
PCB-1248	ND	340	ug/Kg	10/17/09		MH	3540C/8082
PCB-1254	ND	340	ug/Kg	10/17/09		MH	3540C/8082
PCB-1260	ND	340	ug/Kg	10/17/09		MH	3540C/8082
PCB-1262	ND	340	ug/Kg	10/17/09		MH	3540C/8082
PCB-1268	ND	340	ug/Kg	10/17/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	73		%	10/17/09		MH	3540C/8082
% TCMX	86		%	10/17/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 19, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 14, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/05/09	13:45
Location Code:	F&O	Received by:	LB	10/05/09	14:25
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS32117
Phoenix ID: AS32126

Project ID: WOOD GROUP
Client ID: 738091005-80 P1-131 (0.5-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	96		%	10/05/09		M-JL	E160.3
Extraction for PCB	Completed			10/05/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1221	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1232	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1242	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1248	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1254	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1260	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1262	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1268	ND	340	ug/Kg	10/06/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	92		%	10/06/09		MH	3540C/8082
% TCMX	93		%	10/06/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 14, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 14, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/05/09	11:00
Location Code:	F&O	Received by:	LB	10/05/09	14:25
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS32117
Phoenix ID: AS32135

Project ID: WOOD GROUP
Client ID: 738091005-66 PI-126 (2-4')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	94		%	10/08/09		c/JL	E160.3
Extraction for PCB	Completed			10/08/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	3500	ug/Kg	10/12/09		MH	3540C/8082
PCB-1221	ND	3500	ug/Kg	10/12/09		MH	3540C/8082
PCB-1232	ND	3500	ug/Kg	10/12/09		MH	3540C/8082
PCB-1242	ND	3500	ug/Kg	10/12/09		MH	3540C/8082
PCB-1248	ND	3500	ug/Kg	10/12/09		MH	3540C/8082
PCB-1254	8500	3500	ug/Kg	10/12/09		MH	3540C/8082
PCB-1260	ND	3500	ug/Kg	10/12/09		MH	3540C/8082
PCB-1262	ND	3500	ug/Kg	10/12/09		MH	3540C/8082
PCB-1268	ND	3500	ug/Kg	10/12/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	10/12/09		MH	3540C/8082
% TCMX	Diluted Out		%	10/12/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 14, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 14, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/05/09	11:28
Location Code:	F&O	Received by:	LB	10/05/09	14:25
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS32117
Phoenix ID: AS32137

Project ID: WOOD GROUP
Client ID: 738091005-69 PI-127 (2-4')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	98		%	10/08/09		c/JL	E160.3
Extraction for PCB	Completed			10/08/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	10/09/09		MH	3540C/8082
PCB-1221	ND	340	ug/Kg	10/09/09		MH	3540C/8082
PCB-1232	ND	340	ug/Kg	10/09/09		MH	3540C/8082
PCB-1242	ND	340	ug/Kg	10/09/09		MH	3540C/8082
PCB-1248	ND	340	ug/Kg	10/09/09		MH	3540C/8082
PCB-1254	ND	340	ug/Kg	10/09/09		MH	3540C/8082
PCB-1260	ND	340	ug/Kg	10/09/09		MH	3540C/8082
PCB-1262	ND	340	ug/Kg	10/09/09		MH	3540C/8082
PCB-1268	ND	340	ug/Kg	10/09/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	94		%	10/09/09		MH	3540C/8082
% TCMX	85		%	10/09/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 14, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 14, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/05/09	13:47
Location Code:	F&O	Received by:	LB	10/05/09	14:25
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS32117
Phoenix ID: AS32127

Project ID: WOOD GROUP
Client ID: 738091005-81 PI-131 (0.5-2') Field Duplicate

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	95		%	10/05/09		M-JL	E160.3
Extraction for PCB	Completed			10/05/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1221	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1232	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1242	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1248	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1254	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1260	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1262	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1268	ND	340	ug/Kg	10/06/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	88		%	10/06/09		MH	3540C/8082
% TCMX	88		%	10/06/09		MH	3540C/8082

Comments:
DUPLICATE INCLUDED
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
October 14, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 14, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/05/09	14:45
Location Code:	F&O	Received by:	LB	10/05/09	14:25
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS32117
Phoenix ID: AS32128

Project ID: WOOD GROUP
Client ID: 738091005-84 P1-105A (3-5')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	97		%	10/05/09		M-JL	E160.3
MS/MSD Ext. For PCB	Completed			10/08/09		E	
Extraction for PCB	Completed			10/05/09		BB/E	SW3540C
QC for PCB	Completed			10/08/09			
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1221	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1232	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1242	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1248	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1254	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1260	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1262	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1268	ND	340	ug/Kg	10/06/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	74		%	10/06/09		MH	3540C/8082
% TCMX	88		%	10/06/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 14, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 14, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/05/09	15:15
Location Code:	F&O	Received by:	LB	10/05/09	14:25
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS32117
Phoenix ID: AS32129

Project ID: WOOD GROUP
Client ID: 738091005-86 P1-132 (0.3-2')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	96		%	10/05/09		M-JL	E160.3
Extraction for PCB	Completed			10/05/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1221	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1232	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1242	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1248	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1254	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1260	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1262	ND	340	ug/Kg	10/06/09		MH	3540C/8082
PCB-1268	ND	340	ug/Kg	10/06/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	87		%	10/06/09		MH	3540C/8082
% TCMX	88		%	10/06/09		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 14, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 14, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	MW	10/05/09	15:37
Location Code:	F&O	Received by:	LB	10/05/09	14:25
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS32117
Phoenix ID: AS32130

Project ID: WOOD GROUP
Client ID: 738091005-88 Equipment Blank (geoprobe)

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Extraction	Completed			10/05/09		O/O	SW3510/3520
Polychlorinated Biphenyls							
PCB-1016	ND	0.50	ug/L	10/06/09		MH	608/ 8082
PCB-1221	ND	0.50	ug/L	10/06/09		MH	608/ 8082
PCB-1232	ND	0.50	ug/L	10/06/09		MH	608/ 8082
PCB-1242	ND	0.50	ug/L	10/06/09		MH	608/ 8082
PCB-1248	ND	0.50	ug/L	10/06/09		MH	608/ 8082
PCB-1254	ND	0.50	ug/L	10/06/09		MH	608/ 8082
PCB-1260	ND	0.50	ug/L	10/06/09		MH	608/ 8082
PCB-1262	ND	0.50	ug/L	10/06/09		MH	608/ 8082
PCB-1268	ND	0.50	ug/L	10/06/09		MH	608/ 8082
QA/QC Surrogates							
% DCBP	96		%	10/06/09		MH	608/ 8082
% TCMX	83		%	10/06/09		MH	608/ 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
October 14, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 14, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	MW	10/05/09	15:38
Location Code:	F&O	Received by:	LB	10/05/09	14:25
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS32117
Phoenix ID: AS32131

Project ID: WOOD GROUP
Client ID: 738091005-89 Equipment Blank (hand geoprobe)

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Extraction	Completed			10/05/09		O/O	SW3510/3520
Polychlorinated Biphenyls							
PCB-1016	ND	0.53	ug/L	10/06/09		MH	608/ 8082
PCB-1221	ND	0.53	ug/L	10/06/09		MH	608/ 8082
PCB-1232	ND	0.53	ug/L	10/06/09		MH	608/ 8082
PCB-1242	ND	0.53	ug/L	10/06/09		MH	608/ 8082
PCB-1248	ND	0.53	ug/L	10/06/09		MH	608/ 8082
PCB-1254	ND	0.53	ug/L	10/06/09		MH	608/ 8082
PCB-1260	ND	0.53	ug/L	10/06/09		MH	608/ 8082
PCB-1262	ND	0.53	ug/L	10/06/09		MH	608/ 8082
PCB-1268	ND	0.53	ug/L	10/06/09		MH	608/ 8082
QA/QC Surrogates							
% DCBP	80		%	10/06/09		MH	608/ 8082
% TCMX	86		%	10/06/09		MH	608/ 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 14, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 14, 2009

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MW	10/05/09	13:17
Location Code:	F&O	Received by:	LB	10/05/09	14:25
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20051184R70/TASK				

Laboratory Data

SDG ID: GAS32117
Phoenix ID: AS32143

Project ID: WOOD GROUP
Client ID: 738091005-78 P1-130 (2-4')

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	95		%	10/08/09		c/JL	E160.3
Extraction for PCB	Completed			10/08/09		BB/E	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	10/13/09		MH	3540C/8082
PCB-1221	ND	340	ug/Kg	10/13/09		MH	3540C/8082
PCB-1232	ND	340	ug/Kg	10/13/09		MH	3540C/8082
PCB-1242	ND	340	ug/Kg	10/13/09		MH	3540C/8082
PCB-1248	1300*	340	ug/Kg	10/13/09		MH	3540C/8082
PCB-1254	ND	340	ug/Kg	10/13/09		MH	3540C/8082
PCB-1260	ND	340	ug/Kg	10/13/09		MH	3540C/8082
PCB-1262	ND	340	ug/Kg	10/13/09		MH	3540C/8082
PCB-1268	ND	340	ug/Kg	10/13/09		MH	3540C/8082
QA/QC Surrogates							
% DCBP	118		%	10/13/09		MH	3540C/8082
% TCMX	100		%	10/13/09		MH	3540C/8082

Comments:

The PCB pattern did not resemble any of the standards, but most closely resembles aroclor 1248.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 14, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

QA/QC Report

October 14, 2009

QA/QC Data

SDG I.D.: GAS32117

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 137483, QC Sample No: AS30765 (AS32130, AS32131)							
Polychlorinated Biphenyls							
PCB-1016	ND	87	81	7.1			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	93	87	6.7			
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	121	104	96	8.0			
% TCMX (Surrogate Rec)	82	83	74	11.5			
Comment:							
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.							
QA/QC Batch 137830, QC Sample No: AS30890 (AS32135, AS32137, AS32143)							
Polychlorinated Biphenyls							
PCB-1016	ND	104	115	10.0	79	88	10.8
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	115	117	1.7	89	111	22.0
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	95	95	99	4.1	96	92	4.3
% TCMX (Surrogate Rec)	81	69	74	7.0	60	72	18.2
QA/QC Batch 137586, QC Sample No: AS32122 (AS32117, AS32118, AS32119, AS32120, AS32121, AS32122, AS32123, AS32124, AS32125, AS32126, AS32127, AS32129)							
Polychlorinated Biphenyls							
PCB-1016	ND	116	130	11.4	*	*	NC
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	121	122	0.8	*	*	NC
PCB-1262	ND						

QA/QC Data

SDG I.D.: GAS32117

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
PCB-1268	ND						
% DCBP (Surrogate Rec)	97	80	72	10.5	NR	NR	NC
% TCMX (Surrogate Rec)	85	62	54	13.8	NR	NR	NC

Comment:

* The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QA/QC Batch 137587, QC Sample No: AS32128 (AS32128)

Polychlorinated Biphenyls

PCB-1016	ND	117	116	0.9	*	*	NC
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	89	93	4.4	116	116	0.0
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	75	49	50	2.0	51	49	4.0
% TCMX (Surrogate Rec)	92	75	76	1.3	78	76	2.6

Comment:

* The MS/MSD could not be reported due to matrix interference in the unspiked sample. LCS\LCSD recoveries were within QA/QC limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 14, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

QA/QC Report

October 19, 2009

QA/QC Data

SDG I.D.: GAS32117

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 138687, QC Sample No: AS36227 (AS32136, AS32144)							
Polychlorinated Biphenyls							
PCB-1016	ND	77	105	30.8			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	71	88	21.4			
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	99	115	114	0.9			
% TCMX (Surrogate Rec)	60	91	90	1.1			

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
October 19, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

QA/QC Report

October 20, 2009

QA/QC Data

SDG I.D.: GAS32117

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 137830, QC Sample No: AS30890 (AS32143)							
Polychlorinated Biphenyls							
PCB-1016	ND	104	115	10.0	79	88	10.8
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	115	117	1.7	89	111	22.0
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	95	95	99	4.1	96	92	4.3
% TCMX (Surrogate Rec)	81	69	74	7.0	60	72	18.2
QA/QC Batch 138855, QC Sample No: AS36581 (AS32143)							
Polychlorinated Biphenyls							
PCB-1016	ND	108	103	4.7			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	90	86	4.5			
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	89	90	88	2.2			
% TCMX (Surrogate Rec)	87	89	86	3.4			

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller

Phyllis Shiller, Laboratory Director
October 20, 2009

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** F&O

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): AS32117, AS32118, AS32119, AS32120, AS32121, AS32122, AS32123, AS32124, AS32125, AS32126, AS32127, AS32128, AS32129, AS32130, AS32131, AS32132, AS32133, AS32134, AS32135, AS32136, AS32137, AS32138, AS32139, AS32140, AS32141, AS32142, AS32143, AS32144, AS32145, AS32146, AS32147, AS32148

Sampling Date(s): 10/5/2009

RCP Methods Used:

☑ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Section: PCB Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific QC samples included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence"

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: _____

Date: Wednesday, October 21, 2009

Printed Name: Greg Lawrence

Position: Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

October 21, 2009

SDG I.D.: GAS32117

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

For the SPLP PCB the surrogate DBCP did not meet criteria. The other surrogate was within criteria and is more representitive of the PCB reported in the original sample. Therefore, no significant analytical bias is suspected.

Instrument: Au-ecd11 10/13/09-1 (AS32143)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/13/2009

Instrument: Au-ecd5 10/06/09-1 (AS32122, AS32128)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/6/2009

Instrument: Au-ecd5 10/07/09-1 (AS32128)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/7/2009

Instrument: Au-ecd5 10/08/09-1 (AS32120, AS32121, AS32125)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

October 21, 2009

SDG I.D.: GAS32117

Printed Name Michael Hahn
Position: Chemist
Date: 10/8/2009

Instrument: Au-ecd5 10/12/09-1 (AS32135)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/12/2009

Instrument: Au-ecd5 10/17/09-1 (AS32136, AS32144)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/17/2009

Instrument: Au-ecd5 10/19/09-1 (AS32143)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/19/2009

Instrument: Au-ecd7 10/06/09-1 (AS32117, AS32118, AS32119, AS32123, AS32124, AS32126, AS32127, AS32129)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

October 21, 2009

SDG I.D.: GAS32117

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/6/2009

Instrument: Au-ecd8 10/06/09-1 (AS32130, AS32131)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/6/2009

Instrument: Au-ecd8 10/09/09-1 (AS32137)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/9/2009

QC Comments: QC Batch 37483 10/02/09 (AS32130, AS32131)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC Comments: QC Batch 38855 10/18/09 (AS32143)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC Comments: QC Batch 37586 10/05/09 (AS32117, AS32118, AS32119, AS32120, AS32121, AS32122, AS32123, AS32124, AS32125, AS32126, AS32127, AS32129)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QC Comments: QC Batch 37587 10/05/09 (AS32128)

The MS/MSD could not be reported due to matrix interference in the unspiked sample. LCS\LCSD recoveries were within QA/QC limits.

QC Comments: QC Batch 38687 10/15/09 (AS32136, AS32144)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

RCP Certification Report

October 21, 2009

SDG I.D.: GAS32117

QC (Site Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All MS recoveries were within 30 - 130 with the following exceptions: None.

All MSD recoveries were within 30 - 130 with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

Temperature Narration

The samples were received at 7C with cooling initiated.
No bias in the sample results are suspected due to temperature.

Printed Name	Lori Bryda
Position:	Login
Date:	10/21/2009 10:42:30 AM

170 wk

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- ☒ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other _____

CHAIN-OF-CUSTODY RECORD 20616

Turnaround
☐ 1 Day* ☒ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184R70/task 1
LABORATORY: Phoenix

REPORT TO: Kevin Vanderveer F&O
INVOICE TO:
P.O. No.:
Sampler's Signature: Matt Wujak Date: 10/5/09

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	* total PCBs by Soxhlet Extraction	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
01					738091005-58	S	10/5/09	0945	✓			1			32117						
02					-59			1000	✓			1			32118						
03					-61			1030	✓			1			32119						
04					-64			1055	✓			1			32120						
05					-65			1057	✓			1			32121						No charge
06					-68			1125	✓			3			32122						MS/MSD
07					-71			1150	✓			1			32123						
08					-74			1245	✓			1			32124						
09					-77			1315	✓			1			32125						
10					-80			1345	✓			1			32126						

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Matt Wujak	[illegible]	10.5.09	14:25
2				
3				
4				

Reporting and Detection Limit Requirements: GA PMC & ResDEC / RCP deliverables

Additional Comments:
* includes (1) duplicate & (1) MS/MSD
* 72-hour TAT

70 WIC

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- ☑ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other _____

CHAIN-OF-CUSTODY RECORD 20617

Turnaround
☐ 1 Day* ☑ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184R70 Task 1
LABORATORY: Phoenix

REPORT TO: Kevin Vanderveer F&O
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: Matt Wujcik Date: 10/5/09

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	*Total PCBs by Soxhlet Extraction	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber (1000 ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
11					738091005-81	S	10/5/09	1347	✓			1					32127				No Charge
12					-84	↓	↓	1445	✓			3					32128				MS/MSD
13					-86	↓		1515	✓			1					32129				
14					-88	X		1537	✓							1	32130				
15					-89	X	↓	1538	✓							1	32131				

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Matt Wujcik	[signature]	10/5/09	16:25
2				
3				
4				

Reporting and Detection Limit Requirements: GA RMC & ResDEC / RCP deliverables

Additional Comments:
* includes 2 EBs & 1 duplicate & 1 MS/MSD
* 72 hour - TAT

70WK

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- ☑ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other _____

CHAIN-OF-CUSTODY RECORD 20618

Turnaround
☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184R70 / task 1
LABORATORY: Phoenix

REPORT TO: Kevin Vanderveer F&O
INVOICE TO:
P.O. NO.:
Sampler's Signature: Matt Wujcik Date: 10/5/09

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	* Hold	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
16					738091005-60	S	10/5/09	1015	✓			1									32132
17					-62			1035	✓			1									32133
18					-63			1045	✓			1									32134
19					-66			1100	✓			1									32135
20					-67			1110	✓			1									32136
21					-69			1128	✓			1									32137
22					-70			1135	✓			1									32138
23					-72			1153	✓			1									32139
24					-73			1205	✓			1									32140
25					-75			1247	✓			1									32141

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Matt Wujcik	[signature]	10.5.09	16:25
2				
3				
4				

Reporting and Detection Limit Requirements: GAPMC & ResDEC / RCP deliverables

Additional Comments:
* Hold samples

7 of 10

FUSS & O'NEILL
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- ☑ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other _____

CHAIN-OF-CUSTODY RECORD 20619

Turnaround
☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184R70 / task 1
LABORATORY: Phoenix

REPORT TO: Kevin Vandeveer F&O
INVOICE TO: ↓
P.O. No.:
Sampler's Signature: Matt Wujak Date: 10/5/09

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	* Hold	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	[ ] $Na(SO_3)_2$	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
26					738091005-76	S	10/5/09	1300	✓				1									32142
27					-78	↓	↓	1317	✓				1									32143
28					-79			1325	✓				1									32144
29					-82			1350	✓				1									32145
30					-83			1400	✓				1									32146
31					-85			1455	✓				1									32147
32					-87			1530	✓				1									32148

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Matt Wujak	[illegible]	10.5.09	1625
2				
3				
4				

Reporting and Detection Limit Requirements: GA PMC & ResDEC / RCP deliverables

Additional Comments:
* Hold samples

PHOENIX
Environmental Laboratories, Inc.

Tuesday, July 01, 2014

Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BG59245, BG59250, BG59252, BG59254, BG59257, BG59259, BG59263, BG59269, BG59272

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

REVIEWED **DMS**
By pbibeau at 10:57 am, Jul 09, 2014

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.

Friday, June 20, 2014

Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BG59237 - BG59276

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

REVIEWED **DMS**
By pbibeau at 10:47 am, Jun 26, 2014

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	8:30
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59237

Project ID: WOOD GROUP
Client ID: 1218140613-119

P1-C401 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	98		%	06/16/14	AW	30 - 150 %
% TCMX	94		%	06/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-119

P1-C401 (0' - 0.04')

Phoenix I.D.: BG59237

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	8:33
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59238

Project ID: WOOD GROUP
Client ID: 1218140613-120

P1-C402 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	1.7	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	106		%	06/16/14	AW	30 - 150 %
% TCMX	105		%	06/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-120

P1-C402 (0' - 0.04')

Phoenix I.D.: BG59238

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	8:36
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59239

Project ID: WOOD GROUP
Client ID: 1218140613-121

P1-C403 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	1.3	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	98		%	06/17/14	AW	30 - 150 %
% TCMX	104		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-121

P1-C403 (0' - 0.04')

Phoenix I.D.: BG59239

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	8:39
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59240

Project ID: WOOD GROUP
Client ID: 1218140613-122

P1-C404 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	118		%	06/16/14	AW	30 - 150 %
% TCMX	105		%	06/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-122

P1-C404 (0' - 0.04')

Phoenix I.D.: BG59240

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	8:42
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59241

Project ID: WOOD GROUP
Client ID: 1218140613-123

P1-C405 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
MS/MSD Ext. For PCB	Completed			06/16/14		
Extraction for PCB	Completed			06/13/14	QP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	0.58	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	119		%	06/17/14	AW	30 - 150 %
% TCMX	110		%	06/17/14	AW	30 - 150 %
QC for PCB	Completed			06/17/14	AW	

Project ID: WOOD GROUP
Client ID: 1218140613-123

P1-C405 (0' - 0.04')

Phoenix I.D.: BG59241

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	8:45
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59242

Project ID: WOOD GROUP
Client ID: 1218140613-124

P1-C406 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	*	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	*	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
Total PCBs	0.97	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	90		%	06/17/14	AW	30 - 150 %
% TCMX	95		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-124

P1-C406 (0' - 0.04')

Phoenix I.D.: BG59242

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	8:46
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59243

Project ID: WOOD GROUP
Client ID: 1218140613-125

P1-C406 (0' - 0.04') Duplicate

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	06/18/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	06/18/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	06/18/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	06/18/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	06/18/14	AW	3540C/8082
PCB-1254	0.83	0.34	mg/kg	06/18/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	06/18/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	06/18/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	06/18/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	108		%	06/18/14	AW	30 - 150 %
% TCMX	116		%	06/18/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-125

P1-C406 (0' - 0.04') Duplicate

Phoenix I.D.: BG59243

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	8:50
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59244

Project ID: WOOD GROUP
Client ID: 1218140613-126

P1-C407 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.32	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.32	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.32	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.32	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.32	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	0.6	0.32	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.32	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.32	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.32	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	112		%	06/17/14	AW	30 - 150 %
% TCMX	88		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-126

P1-C407 (0' - 0.04')

Phoenix I.D.: BG59244

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 01, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	8:55
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59245

Project ID: WOOD GROUP
Client ID: 1218140613-127

P1-C408 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Percent Solid	99		%	06/13/14	I	E160.3	
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C	
Total Metals Digest	Completed			06/24/14	CB/AG	SW846 - 3050	
Tungsten	91.3	3.5	mg/Kg	06/27/14	*	SW6010	S
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1248	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1254	1.7	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
QA/QC Surrogates							
% DCBP	110		%	06/17/14	AW	30 - 150 %	
% TCMX	106		%	06/17/14	AW	30 - 150 %	

Project ID: WOOD GROUP
Client ID: 1218140613-127

P1-C408 (0-0.04')

Phoenix I.D.: BG59245

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

S = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

Tungsten (SW6010) was analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 01, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	9:00
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59246

Project ID: WOOD GROUP
Client ID: 1218140613-128

P1-C409 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	QP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	0.38	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	109		%	06/17/14	AW	30 - 150 %
% TCMX	112		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-128

P1-C409 (0' - 0.04')

Phoenix I.D.: BG59246

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	9:05
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59247

Project ID: WOOD GROUP
Client ID: 1218140613-129

P1-C410 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	QP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	0.56	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	110		%	06/17/14	AW	30 - 150 %
% TCMX	103		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-129

P1-C410 (0' - 0.04')

Phoenix I.D.: BG59247

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	9:10
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59248

Project ID: WOOD GROUP
Client ID: 1218140613-130

P1-C411 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	QP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	*	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	*	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
Total PCBs	0.51	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	89		%	06/17/14	AW	30 - 150 %
% TCMX	92		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-130

P1-C411 (0' - 0.04')

Phoenix I.D.: BG59248

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	9:15
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59249

Project ID: WOOD GROUP
Client ID: 1218140613-131

P1-C412 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	QP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	95		%	06/17/14	AW	30 - 150 %
% TCMX	106		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-131

P1-C412 (0' - 0.04')

Phoenix I.D.: BG59249

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 01, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	10:00
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59250

Project ID: WOOD GROUP
Client ID: 1218140613-132 P1-C413 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Percent Solid	99		%	06/13/14	I	E160.3	
Extraction for PCB	Completed			06/13/14	QP/X	SW3540C	
Total Metals Digest	Completed			06/24/14	CB/AG	SW846 - 3050	
Tungsten	4.71	3.5	mg/Kg	06/27/14	*	SW6010	S
PCB (Soxhlet)							
PCB-1016	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1221	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1232	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1242	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1248	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1254	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1260	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1262	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1268	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
QA/QC Surrogates							
% DCBP	70		%	06/17/14	AW	30 - 150 %	
% TCMX	65		%	06/17/14	AW	30 - 150 %	

Project ID: WOOD GROUP
Client ID: 1218140613-132

P1-C413 (0-0.04')

Phoenix I.D.: BG59250

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

S = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

Tungsten (SW6010) was analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 01, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	10:05
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59251

Project ID: WOOD GROUP
Client ID: 1218140613-133

P1-C414 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	QP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	*	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	*	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
Total PCBs	1.1	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	86		%	06/17/14	AW	30 - 150 %
% TCMX	91		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-133

P1-C414 (0' - 0.04')

Phoenix I.D.: BG59251

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 01, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	10:10
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59252

Project ID: WOOD GROUP
Client ID: 1218140613-134 P1-C415 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Percent Solid	100		%	06/13/14	I	E160.3	
Extraction for PCB	Completed			06/13/14	QP/X	SW3540C	
Total Metals Digest	Completed			06/24/14	CB/AG	SW846 - 3050	
Tungsten	69.4	3.5	mg/Kg	06/27/14	*	SW6010	S
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1248	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1254	1.4	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
QA/QC Surrogates							
% DCBP	99		%	06/17/14	AW	30 - 150 %	
% TCMX	104		%	06/17/14	AW	30 - 150 %	

Project ID: WOOD GROUP
Client ID: 1218140613-134

P1-C415 (0-0.04')

Phoenix I.D.: BG59252

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

S = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

Tungsten (SW6010) was analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 01, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	10:15
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59253

Project ID: WOOD GROUP
Client ID: 1218140613-135

P1-C416 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	*	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	*	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
Total PCBs	1.2	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	83		%	06/17/14	AW	30 - 150 %
% TCMX	91		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-135

P1-C416 (0' - 0.04')

Phoenix I.D.: BG59253

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 01, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	10:20
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59254

Project ID: WOOD GROUP
Client ID: 1218140613-136 P1-C417 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Percent Solid	98		%	06/13/14	I	E160.3	
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C	
Total Metals Digest	Completed			06/24/14	CB/AG	SW846 - 3050	
Tungsten	9.9	3.5	mg/Kg	06/27/14	*	SW6010	S
PCB (Soxhlet)							
PCB-1016	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1221	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1232	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1242	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1248	12	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1254	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1260	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1262	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1268	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
QA/QC Surrogates							
% DCBP	Diluted Out		%	06/17/14	AW	30 - 150 %	
% TCMX	Diluted Out		%	06/17/14	AW	30 - 150 %	

Project ID: WOOD GROUP
Client ID: 1218140613-136

P1-C417 (0-0.04')

Phoenix I.D.: BG59254

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

S = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

Tungsten (SW6010) was analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 01, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	10:25
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59255

Project ID: WOOD GROUP
Client ID: 1218140613-137

P1-C418 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	0.67	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	118		%	06/17/14	AW	30 - 150 %
% TCMX	102		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-137

P1-C418 (0' - 0.04')

Phoenix I.D.: BG59255

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	10:30
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59256

Project ID: WOOD GROUP
Client ID: 1218140613-138

P1-C419 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	0.73	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	99		%	06/17/14	AW	30 - 150 %
% TCMX	104		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-138

P1-C419 (0' - 0.04')

Phoenix I.D.: BG59256

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 01, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	10:35
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59257

Project ID: WOOD GROUP
Client ID: 1218140613-139 P1-C420 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Percent Solid	98		%	06/13/14	I	E160.3	
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C	
Total Metals Digest	Completed			06/24/14	CB/AG	SW846 - 3050	
Tungsten	34.5	3.5	mg/Kg	06/27/14	*	SW6010	S
PCB (Soxhlet)							
PCB-1016	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1221	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1232	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1242	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1248	*	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1254	*	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1260	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1262	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1268	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
Total PCBs	15	1.7	mg/kg	06/17/14	AW	3540C/8082	
QA/QC Surrogates							
% DCBP	Diluted Out		%	06/17/14	AW	30 - 150 %	
% TCMX	Diluted Out		%	06/17/14	AW	30 - 150 %	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

S = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

Tungsten (SW6010) was analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 01, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	10:40
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59258

Project ID: WOOD GROUP
Client ID: 1218140613-140

P1-C421 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	0.35	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	104		%	06/17/14	AW	30 - 150 %
% TCMX	113		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-140

P1-C421 (0' - 0.04')

Phoenix I.D.: BG59258

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 01, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	10:45
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59259

Project ID: WOOD GROUP
Client ID: 1218140613-141 P1-C422 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Percent Solid	98		%	06/13/14	I	E160.3	
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C	
Total Metals Digest	Completed			06/24/14	CB/AG	SW846 - 3050	
Tungsten	30.1	3.5	mg/Kg	06/27/14	*	SW6010	S
PCB (Soxhlet)							
PCB-1016	ND	34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1221	ND	34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1232	ND	34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1242	ND	34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1248	140	34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1254	ND	34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1260	ND	34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1262	ND	34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1268	ND	34	mg/kg	06/17/14	AW	3540C/8082	
QA/QC Surrogates							
% DCBP	Diluted Out		%	06/17/14	AW	30 - 150 %	
% TCMX	Diluted Out		%	06/17/14	AW	30 - 150 %	

Project ID: WOOD GROUP
Client ID: 1218140613-141

P1-C422 (0-0.04')

Phoenix I.D.: BG59259

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

S = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

Tungsten (SW6010) was analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 01, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	11:00
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59260

Project ID: WOOD GROUP
Client ID: 1218140613-142

P1-C423 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	*	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	*	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
Total PCBs	0.4	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	96		%	06/17/14	AW	30 - 150 %
% TCMX	92		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-142

P1-C423 (0' - 0.04')

Phoenix I.D.: BG59260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	11:10
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59261

Project ID: WOOD GROUP
Client ID: 1218140613-143

P1-C424 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	*	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	*	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
Total PCBs	0.81	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	92		%	06/17/14	AW	30 - 150 %
% TCMX	96		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-143

P1-C424 (0' - 0.04')

Phoenix I.D.: BG59261

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	11:11
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59262

Project ID: WOOD GROUP
Client ID: 1218140613-144

P1-C424 (0' - 0.04') Duplicate

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	*	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	*	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
Total PCBs	0.8	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	98		%	06/17/14	AW	30 - 150 %
% TCMX	100		%	06/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 01, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	11:15
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59263

Project ID: WOOD GROUP
Client ID: 1218140613-145 P1-C425 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Percent Solid	98		%	06/13/14	I	E160.3	
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C	
Total Metals Digest	Completed			06/24/14	CB/AG	SW846 - 3050	
Tungsten	32.9	3.5	mg/Kg	06/27/14	*	SW6010	S
PCB (Soxhlet)							
PCB-1016	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1221	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1232	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1242	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1248	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1254	2.6	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1260	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1262	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1268	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
QA/QC Surrogates							
% DCBP	108		%	06/17/14	AW	30 - 150 %	
% TCMX	106		%	06/17/14	AW	30 - 150 %	

Project ID: WOOD GROUP

Client ID: 1218140613-145 P1-C425 (0-0.04')

Phoenix I.D.: BG59263

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

S = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

Tungsten (SW6010) was analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 01, 2014

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	11:20
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59264

Project ID: WOOD GROUP
Client ID: 1218140613-146

P1-C426 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	*	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	*	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
Total PCBs	0.95	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	92		%	06/17/14	AW	30 - 150 %
% TCMX	96		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-146

P1-C426 (0' - 0.04')

Phoenix I.D.: BG59264

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	11:30
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59265

Project ID: WOOD GROUP
Client ID: 1218140613-147

P1-C427 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	*	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	*	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
Total PCBs	0.58	0.34	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	90		%	06/17/14	AW	30 - 150 %
% TCMX	96		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-147

P1-C427 (0' - 0.04')

Phoenix I.D.: BG59265

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	11:40
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59266

Project ID: WOOD GROUP
Client ID: 1218140613-148

P1-C428 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	*	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	*	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
Total PCBs	0.5	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	94		%	06/17/14	AW	30 - 150 %
% TCMX	98		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-148

P1-C428 (0' - 0.04')

Phoenix I.D.: BG59266

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	13:00
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59267

Project ID: WOOD GROUP
Client ID: 1218140613-149

P1-C429 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	*	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	*	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
Total PCBs	1	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	92		%	06/17/14	AW	30 - 150 %
% TCMX	100		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-149

P1-C429 (0' - 0.04')

Phoenix I.D.: BG59267

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	13:05
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59268

Project ID: WOOD GROUP
Client ID: 1218140613-150

P1-C430 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	0.34	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	127		%	06/17/14	AW	30 - 150 %
% TCMX	109		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-150

P1-C430 (0' - 0.04')

Phoenix I.D.: BG59268

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 01, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	13:10
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59269

Project ID: WOOD GROUP
Client ID: 1218140613-151 P1-C431 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Percent Solid	99		%	06/13/14	I	E160.3	
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C	
Total Metals Digest	Completed			06/24/14	CB/AG	SW846 - 3050	
Tungsten	31.6	3.5	mg/Kg	06/27/14	*	SW6010	S
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1248	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1254	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
QA/QC Surrogates							
% DCBP	130		%	06/17/14	AW	30 - 150 %	
% TCMX	115		%	06/17/14	AW	30 - 150 %	

Project ID: WOOD GROUP
Client ID: 1218140613-151

P1-C431 (0-0.04')

Phoenix I.D.: BG59269

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

S = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

Tungsten (SW6010) was analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 01, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	13:15
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59270

Project ID: WOOD GROUP
Client ID: 1218140613-152

P1-C432 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	0.4	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	136		%	06/17/14	AW	30 - 150 %
% TCMX	118		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-152

P1-C432 (0' - 0.04')

Phoenix I.D.: BG59270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	13:20
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59271

Project ID: WOOD GROUP
Client ID: 1218140613-153

P1-C433 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	120		%	06/17/14	AW	30 - 150 %
% TCMX	104		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-153

P1-C433 (0' - 0.04')

Phoenix I.D.: BG59271

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 01, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	13:25
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59272

Project ID: WOOD GROUP
Client ID: 1218140613-154 P1-C434 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Percent Solid	99		%	06/13/14	I	E160.3	
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C	
Total Metals Digest	Completed			06/24/14	CB/AG	SW846 - 3050	
Tungsten	BRL	3.5	mg/Kg	06/27/14	*	SW6010	S
PCB (Soxhlet)							
PCB-1016	ND	3.3	mg/kg	06/18/14	AW	3540C/8082	
PCB-1221	ND	3.3	mg/kg	06/18/14	AW	3540C/8082	
PCB-1232	ND	3.3	mg/kg	06/18/14	AW	3540C/8082	
PCB-1242	ND	3.3	mg/kg	06/18/14	AW	3540C/8082	
PCB-1248	ND	3.3	mg/kg	06/18/14	AW	3540C/8082	
PCB-1254	8.8	3.3	mg/kg	06/18/14	AW	3540C/8082	
PCB-1260	ND	3.3	mg/kg	06/18/14	AW	3540C/8082	
PCB-1262	ND	3.3	mg/kg	06/18/14	AW	3540C/8082	
PCB-1268	ND	3.3	mg/kg	06/18/14	AW	3540C/8082	
QA/QC Surrogates							
% DCBP	Diluted Out		%	06/18/14	AW	30 - 150 %	
% TCMX	Diluted Out		%	06/18/14	AW	30 - 150 %	

Project ID: WOOD GROUP
Client ID: 1218140613-154

P1-C434 (0-0.04')

Phoenix I.D.: BG59272

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

S = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

Tungsten (SW6010) was analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 01, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	13:30
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59273

Project ID: WOOD GROUP
Client ID: 1218140613-155

P1-C435 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	111		%	06/17/14	AW	30 - 150 %
% TCMX	110		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-155

P1-C435 (0' - 0.04')

Phoenix I.D.: BG59273

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	13:35
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59274

Project ID: WOOD GROUP
Client ID: 1218140613-156

P1-C436 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	100		%	06/17/14	AW	30 - 150 %
% TCMX	99		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-156

P1-C436 (0' - 0.04')

Phoenix I.D.: BG59274

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/13/14	13:40
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59275

Project ID: WOOD GROUP
Client ID: 1218140613-157

P1-C437 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	101		%	06/17/14	AW	30 - 150 %
% TCMX	98		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140613-157

P1-C437 (0' - 0.04')

Phoenix I.D.: BG59275

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	LK	06/13/14	0:00
Location Code:	F&O-PCB	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59237
Phoenix ID: BG59276

Project ID: WOOD GROUP
Client ID: 1218140613-158

Equipment Blank

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB Extraction	Completed			06/13/14	L/L	SW3510C
Polychlorinated Biphenyls						
PCB-1016	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1221	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1232	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1242	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1248	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1254	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1260	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1262	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1268	ND	0.50	ug/L	06/14/14	AW	8082
QA/QC Surrogates						
% DCBP	88		%	06/14/14	AW	30 - 150 %
% TCMX	96		%	06/14/14	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

July 01, 2014

QA/QC Data

SDG I.D.: GBG59237

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 277036, QC Sample No: BG58844 (BG59237, BG59238, BG59239, BG59240, BG59242, BG59243, BG59244, BG59245)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	81	84	3.6	81	84	3.6	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	85	86	1.2	88	92	4.4	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	92	91	91	0.0	90	94	4.3	30 - 150	30
% TCMX (Surrogate Rec)	94	92	91	1.1	89	91	2.2	30 - 150	30
QA/QC Batch 277147, QC Sample No: BG58863 (BG59260, BG59261, BG59262, BG59263, BG59264, BG59265, BG59266)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	107	112	4.6	103	103	0.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	115	115	0.0	115	116	0.9	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	127	131	131	0.0	124	126	1.6	30 - 150	30
% TCMX (Surrogate Rec)	107	106	104	1.9	99	99	0.0	30 - 150	30
QA/QC Batch 277050, QC Sample No: BG59234 (BG59276)									
Polychlorinated Biphenyls - Water									
PCB-1016	ND	94	93	1.1	101	103	2.0	40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	107	106	0.9	103	106	2.9	40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	73	111	108	2.7	76	65	15.6	30 - 150	20
% TCMX (Surrogate Rec)	59	103	97	6.0	106	110	3.7	30 - 150	20

QA/QC Data

SDG I.D.: GBG59237

QA/QC Batch 277042, QC Sample No: BG59241 (BG59241, BG59246, BG59247, BG59248, BG59249, BG59250, BG59251, BG59252, BG59253, BG59254, BG59255, BG59256, BG59257, BG59258, BG59259)

Polychlorinated Biphenyls - Solid

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
PCB-1016	ND	99	102	3.0	110			40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	111	109	1.8	125			40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	121	125	119	4.9	115			30 - 150	30
% TCMX (Surrogate Rec)	106	97	99	2.0	100			30 - 150	30

Comment:

*QC Comment
The batch MSD could not be reported. LCS/LCSD and MS recoveries were within QA/QC limits.

QA/QC Batch 277167, QC Sample No: BG59522 (BG59267, BG59268, BG59269, BG59270, BG59271, BG59272, BG59273, BG59274, BG59275)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	89	88	1.1	90	89	1.1	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	96	96	0.0	97	99	2.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	108	105	107	1.9	100	103	3.0	30 - 150	30
% TCMX (Surrogate Rec)	98	105	104	1.0	106	105	0.9	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
July 01, 2014

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): BG59237, BG59238, BG59239, BG59240, BG59241, BG59242, BG59243, BG59244, BG59245, BG59246, BG59247, BG59248, BG59249, BG59250, BG59251, BG59252, BG59253, BG59254, BG59255, BG59256, BG59257, BG59258, BG59259, BG59260, BG59261, BG59262, BG59263, BG59264, BG59265, BG59266, BG59267, BG59268, BG59269, BG59270, BG59271, BG59272, BG59273, BG59274, BG59275, BG59276

Sampling Date(s): 6/13/2014

RCP Methods Used:

☐ 1311/1312 ☑ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Tuesday, July 01, 2014

Printed Name: Ethan Lee

Position: Project Manager

Nov 2007

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

July 01, 2014

SDG I.D.: GBG59237

BG59245, BG59250, BG59252, BG59254, BG59257, BG59259, BG59263, BG59269, BG59272 - The client requested a shorter list of elements than the 6010 RCP list. The following analytes were not reported: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Silver, Thallium, Vanadium, and Zinc.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 06/17/14-1 (BG59268, BG59269, BG59270, BG59271, BG59272)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/17/2014

Instrument: Au-ecd24 06/16/14-1 (BG59237, BG59238, BG59239, BG59248, BG59257, BG59258, BG59259)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/16/2014

Instrument: Au-ecd24 06/17/14-1 (BG59242, BG59248, BG59251, BG59273, BG59274, BG59275)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/17/2014

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

July 01, 2014

SDG I.D.: GBG59237

Instrument: Au-ecd24 06/19/14-1 (BG59248)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/19/2014

Instrument: Au-ecd3 06/16/14-1 (BG59240, BG59241, BG59242, BG59244, BG59245, BG59246, BG59247, BG59249, BG59250, BG59251, BG59252, BG59253, BG59254, BG59255, BG59256)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/16/2014

Instrument: Au-ecd3 06/17/14-1 (BG59260, BG59261, BG59262, BG59263, BG59264, BG59265, BG59266, BG59267)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/17/2014

Instrument: Au-ecd48 06/17/14-1 (BG59253, BG59257)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

July 01, 2014

SDG I.D.: GBG59237

Printed Name Adam Werner
Position: Chemist
Date: 6/17/2014

Instrument: Au-ecd48 06/18/14-1 (BG59243, BG59272)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/18/2014

Instrument: Au-ecd5 06/14/14-1 (BG59276)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/14/2014

Instrument: Au-ecd5 06/17/14-1 (BG59243)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/17/2014

QC Comments: QC Batch 277042 06/13/14 (BG59241, BG59246, BG59247, BG59248, BG59249, BG59250, BG59251, BG59252, BG59253, BG59254, BG59255, BG59256, BG59257, BG59258, BG59259)

*QC Comment
The batch MSD could not be reported. LCS/LCSD and MS recoveries were within QA/QC limits.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

July 01, 2014

SDG I.D.: GBG59237

QC (Site Specific)

---------- Sample No: BG59241, QA/QC Batch: 277042 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BG58844, QA/QC Batch: 277036 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG58863, QA/QC Batch: 277147 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG59234, QA/QC Batch: 277050 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

---------- Sample No: BG59522, QA/QC Batch: 277167 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

July 01, 2014

SDG I.D.: GBG59237

Temperature Narration

The samples in this delivery group were received at 2°C.
(Note acceptance criteria is above freezing up to 6°C)

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

2PW/C+IP

CHAIN-OF-CUSTODY RECORD 31805

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☒ Standard (5 days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Wood Group	Windsor Locks, CT	20051184.R73	Phoenix

REPORT TO: Kevin Vanderveer (F+O)
INVOICE TO:
P.O. NO.:
Sampler's Signature: Garen Kosta Date: 6/13/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)																		Comments
															Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45µ ☐ 10µ	Plastic - NaOH, 250 ml	
01					1218140613 - 119	C	6/13/14	0830	X			59237					1									*See below
02					- 120			0833	X			59238					1									
03					- 121			0836	X			59239					1									
04					- 122			0839	X			59240					1									
05					- 123			0842	X			59241					3									MS/MSD
06					- 124			0845	X			59242					1									
07					- 125			0846	X			59243					1									no charge
08					- 126			0850	X			59244					1									
09					- 127			0855	X			59245					1									
10					- 128			0900	X			59246					1									

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	CParadise	6/13/14	1538
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☒ QA/QC ☐ Other _____
1 Duplicates 0 Blanks (Item Nos: -125)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
GA PMC + RESPEC

Additional Comments:
*HOLD all samples for possible metals analysis

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

2°w/c + Ip

CHAIN-OF-CUSTODY RECORD 31804

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☑ Standard 5 days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Wood Group	Windsor Locks, CT	20051184.R73	phenix

Report To: Kenn VandeVeer (F+O)
Invoice To: ↓
P.O. No.:
Sampler's Signature: Karen Keefe Date: 6/13/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)			Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is	Plastic - As is, ☐ 250 ml	Plastic - H_2SO_4, ☐ 250 ml	Plastic - HNO_3, 250 ml	Plastic - NaOH, 250 ml	Comments
1 01					121840613-129	C	6/13/14	0905	X			592447			1								*See below
1 02					-130	↓	↓	0910	↓			592448			1								↓
1 03					-131			0915				592449			1								
1 04					-132			1000				592450			1								
1 05					-133			1005				592451			1								
1 06					-134			1010				592452			1								
1 07					-135			1015				592453			1								
1 08					-136			1020				592454			1								
1 09					-137			1025				592455			1								
2 10					-138	↓	↓	1030	↓			592456			1								↓

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	Caradice	6/13/14	1538
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
0 Duplicates 0 Blanks (Item Nos:)
Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
GA PMC + Res DEC

Additional Comments:
* Hold all samples for possible metals analysis

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

2° w/c + Ip

CHAIN-OF-CUSTODY RECORD 31803

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☒ Standard (5 days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Wood Group	Windsor Locks, CT	20051184.R73	Phoenix

REPORT TO: Kevin Vandenveer (F+O)
INVOICE TO:
P.O. NO.:
Sampler's Signature: Lauren Kostka Date: 6/13/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request

Containers

	Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)								Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
21	~~1~~					1218140613-139	C	6/13/14	1035	X			5	9	2	5	7			1									*see below
22	~~2~~					-140	↓	↓	1040	X			5	9	2	5	8			1									↓
23	~~3~~					-141	↓	↓	1045	X			5	9	2	5	9			1									↓
24	~~4~~					-142	↓	↓	1100	X			5	9	2	6	0			3									↓
25	~~5~~					-143	↓	↓	1110	X			5	9	2	6	1			1									↓
26	~~6~~					-144	↓	↓	1111	X			5	9	2	6	2			1									No charge
27	~~7~~					-145	↓	↓	1115	X			5	9	2	6	3			1									↓
28	~~8~~					-146	↓	↓	1120	X			5	9	2	6	4			1									↓
29	~~9~~					-147	↓	↓	1130	X			5	9	2	6	5			1									↓
30	~~10~~					-148	↓	↓	1140	X			5	9	2	6	6			1									↓

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	CParadise	6/13/14	1538
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☒ QA/QC ☐ Other _____
1 Duplicates 0 Blanks (Item Nos: -144)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
GAPMC + ResDEC

Additional Comments:
* HOLD all samples for possible metals analysis

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

2°w/c + IP

CHAIN-OF-CUSTODY RECORD 31801

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☒ Standard (5 days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Wood Group	Windsor Locks, CT	20051184.R73	Phoenix

REPORT TO: Kevin Vandervoer (F+O)
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: Lacan Kovar Date: 6/13/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other Equipment Blank DI H_2O

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)	PCBs							Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber (1000 ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
31					1218140613-149	C	6/13/14	1300	X			5	9	2	6	7			1									*See below
32					-150	↓	↓	1305	X			5	9	2	6	8			1									↓
33					-151	↓	↓	1310	X			5	9	2	6	9			1									↓
34					-152	↓	↓	1315	X			5	9	2	7	0			1									↓
35					-153	↓	↓	1320	X			5	9	2	7	1			1									↓
36					-154	↓	↓	1325	X			5	9	2	7	2			1									↓
37					-155	↓	↓	1330	X			5	9	2	7	3			1									↓
38					-156	↓	↓	1335	X			5	9	2	7	4			1									↓
39					-157	↓	↓	1340	X			5	9	2	7	5			1									↓
40					-158	X				X		5	9	2	7	6							1					↓

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	CParadise	6/13/14	1538
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
0 Duplicates 1 Blanks (Item Nos: -158)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
GAPMC + ResDEC

Additional Comments:
* HOLD all samples for possible metals analysis

PHOENIX
Environmental Laboratories, Inc.

Wednesday, July 09, 2014

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BG59517 - BG59529

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

RECEIVED DMS
By pbibeau at 11:01 am, Jul 10, 2014

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.

Tuesday, July 01, 2014

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BG59517 - BG59518, BG59521, BG59523 - BG59524, BG59526

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

RECEIVED DMS
By pbibeau at 11:01 am, Jul 10, 2014

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.

Thursday, June 19, 2014

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BG59517 - BG59529

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

REVIEWED **DMS**
By pbibeau at 3:05 pm, Jun 26, 2014

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

July 09, 2014

SDG I.D.: GBG59517

Version 3: Fixed the reporting level (RL) for some of the Tungsten results.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 01, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	LK	06/16/14	8:46
Location Code:	F&O-PCB	Received by:	LB	06/16/14	12:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG59517
Phoenix ID: BG59517

Project ID: WOOD GROUP
Client ID: 1218140616-159 P1-C438 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Percent Solid	99		%	06/16/14	I	E160.3	
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C	
Total Metals Digest	Completed			06/24/14	CB/AG	SW846 - 3050	
Tungsten	6.23	3.5	mg/Kg	06/27/14	*	SW6010	S
PCB (Soxhlet)							
PCB-1016	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1221	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1232	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1242	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1248	*	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1254	*	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1260	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1262	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
PCB-1268	ND	1.7	mg/kg	06/17/14	AW	3540C/8082	
Total PCBs	7.2	1.7	mg/kg	06/17/14	AW	3540C/8082	
QA/QC Surrogates							
% DCBP	Diluted Out		%	06/17/14	AW	30 - 150 %	
% TCMX	Diluted Out		%	06/17/14	AW	30 - 150 %	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

S = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

Tungsten (SW6010) was analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 01, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 01, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	LK	06/16/14	8:52
Location Code:	F&O-PCB	Received by:	LB	06/16/14	12:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG59517
Phoenix ID: BG59518

Project ID: WOOD GROUP
Client ID: 1218140616-160 P1-C439 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Percent Solid	99		%	06/16/14	I	E160.3	
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C	
Total Metals Digest	Completed			06/24/14	CB/AG	SW846 - 3050	
Tungsten	3.7	3.5	mg/Kg	06/27/14	*	SW6010	S
PCB (Soxhlet)							
PCB-1016	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1221	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1232	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1242	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1248	*	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1254	*	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1260	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1262	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1268	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
Total PCBs	2.1	0.34	mg/kg	06/17/14	AW	3540C/8082	
QA/QC Surrogates							
% DCBP	110		%	06/17/14	AW	30 - 150 %	
% TCMX	106		%	06/17/14	AW	30 - 150 %	

Project ID: WOOD GROUP
Client ID: 1218140616-160

P1-C439 (0-0.04')

Phoenix I.D.: BG59518

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

S = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

Tungsten (SW6010) was analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 01, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	LK	06/16/14	8:56
Location Code:	F&O-PCB	Received by:	LB	06/16/14	12:11
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG59517
Phoenix ID: BG59519

Project ID: WOOD GROUP
Client ID: 1218140616-161

P1-C440 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/16/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	0.84	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	143		%	06/17/14	AW	30 - 150 %
% TCMX	118		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140616-161

P1-C440 (0' - 0.04')

Phoenix I.D.: BG59519

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	LK	06/16/14	9:00
Location Code:	F&O-PCB	Received by:	LB	06/16/14	12:11
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG59517
Phoenix ID: BG59520

Project ID: WOOD GROUP
Client ID: 1218140616-162

P1-C441 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	06/16/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	134		%	06/17/14	AW	30 - 150 %
% TCMX	117		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140616-162

P1-C441 (0' - 0.04')

Phoenix I.D.: BG59520

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 01, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	LK	06/16/14	9:08
Location Code:	F&O-PCB	Received by:	LB	06/16/14	12:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG59517
Phoenix ID: BG59521

Project ID: WOOD GROUP
Client ID: 1218140616-163

P1-C442 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Percent Solid	99		%	06/16/14	I	E160.3	
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C	
Total Metals Digest	Completed			06/24/14	CB/AG	SW846 - 3050	
Tungsten	BRL	3.5	mg/Kg	06/27/14	*	SW6010	S
PCB (Soxhlet)							
PCB-1016	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1221	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1232	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1242	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1248	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1254	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1260	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1262	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
PCB-1268	ND	0.34	mg/kg	06/17/14	AW	3540C/8082	
QA/QC Surrogates							
% DCBP	112		%	06/17/14	AW	30 - 150 %	
% TCMX	105		%	06/17/14	AW	30 - 150 %	

Project ID: WOOD GROUP
Client ID: 1218140616-163

P1-C442 (0-0.04')

Phoenix I.D.: BG59521

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

S = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

Tungsten (SW6010) was analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 01, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	LK	06/16/14	9:13
Location Code:	F&O-PCB	Received by:	LB	06/16/14	12:11
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG59517
Phoenix ID: BG59522

Project ID: WOOD GROUP
Client ID: 1218140616-164

P1-C443 (0' - 0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/16/14	I	E160.3
MS/MSD Ext. For PCB	Completed			06/17/14		
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	98		%	06/17/14	AW	30 - 150 %
% TCMX	96		%	06/17/14	AW	30 - 150 %
QC for PCB	Completed			06/17/14	AW	

Project ID: WOOD GROUP
Client ID: 1218140616-164

P1-C443 (0' - 0.04')

Phoenix I.D.: BG59522

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 09, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	LK	06/16/14	9:20
Location Code:	F&O-PCB	Received by:	LB	06/16/14	12:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG59517
Phoenix ID: BG59523

Project ID: WOOD GROUP
Client ID: 1218140616-165 P1-C444 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Percent Solid	99		%	06/16/14	I	E160.3	
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C	
Total Metals Digest	Completed			06/24/14	CB/AG	SW846 - 3050	
Tungsten	3.2	3.2	mg/Kg	06/27/14	*	SW6010	S
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1248	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1254	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
QA/QC Surrogates							
% DCBP	94		%	06/17/14	AW	30 - 150 %	
% TCMX	96		%	06/17/14	AW	30 - 150 %	

Project ID: WOOD GROUP
Client ID: 1218140616-165

P1-C444 (0-0.04')

Phoenix I.D.: BG59523

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

S = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

Tungsten (SW6010) was analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 09, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 09, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	LK	06/16/14	9:24
Location Code:	F&O-PCB	Received by:	LB	06/16/14	12:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG59517
Phoenix ID: BG59524

Project ID: WOOD GROUP
Client ID: 1218140616-166 P1-C445 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Percent Solid	99		%	06/16/14	I	E160.3	
Extraction for PCB	Completed			06/16/14	QP/X	SW3540C	
Total Metals Digest	Completed			06/24/14	CB/AG	SW846 - 3050	
Tungsten	3.2	3.2	mg/Kg	06/27/14	*	SW6010	S
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1248	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1254	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
QA/QC Surrogates							
% DCBP	96		%	06/17/14	AW	30 - 150 %	
% TCMX	95		%	06/17/14	AW	30 - 150 %	

Project ID: WOOD GROUP
Client ID: 1218140616-166

P1-C445 (0-0.04')

Phoenix I.D.: BG59524

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

S = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

Tungsten (SW6010) was analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 09, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	LK	06/16/14	9:26
Location Code:	F&O-PCB	Received by:	LB	06/16/14	12:11
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG59517
Phoenix ID: BG59525

Project ID: WOOD GROUP
Client ID: 1218140616-167

P1-C445 (0' - 0.04') Duplicate

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/16/14	I	E160.3
Extraction for PCB	Completed			06/16/14	QP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	100		%	06/17/14	AW	30 - 150 %
% TCMX	98		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140616-167

P1-C445 (0' - 0.04') Duplicate

Phoenix I.D.: BG59525

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

DUPLICATE INCLUDED

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 09, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	LK	06/16/14	9:35
Location Code:	F&O-PCB	Received by:	LB	06/16/14	12:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG59517
Phoenix ID: BG59526

Project ID: WOOD GROUP
Client ID: 1218140616-168 P1-C446 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Percent Solid	99		%	06/16/14	I	E160.3	
Extraction for PCB	Completed			06/16/14	QP/X	SW3540C	
Total Metals Digest	Completed			06/24/14	CB/AG	SW846 - 3050	
Tungsten	3.2	3.2	mg/Kg	06/27/14	*	SW6010	S
PCB (Soxhlet)							
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1248	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1254	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082	
QA/QC Surrogates							
% DCBP	107		%	06/17/14	AW	30 - 150 %	
% TCMX	105		%	06/17/14	AW	30 - 150 %	

Project ID: WOOD GROUP
Client ID: 1218140616-168

P1-C446 (0-0.04')

Phoenix I.D.: BG59526

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

S = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

Tungsten (SW6010) was analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 09, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	LK	06/16/14	10:00
Location Code:	F&O-PCB	Received by:	LB	06/16/14	12:11
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG59517
Phoenix ID: BG59527

Project ID: WOOD GROUP
Client ID: 1218140616-169

Equipment Blank

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB Extraction	Completed			06/16/14	T/FT	SW3510C
Polychlorinated Biphenyls						
PCB-1016	ND	0.50	ug/L	06/17/14	AW	8082
PCB-1221	ND	0.50	ug/L	06/17/14	AW	8082
PCB-1232	ND	0.50	ug/L	06/17/14	AW	8082
PCB-1242	ND	0.50	ug/L	06/17/14	AW	8082
PCB-1248	ND	0.50	ug/L	06/17/14	AW	8082
PCB-1254	ND	0.50	ug/L	06/17/14	AW	8082
PCB-1260	ND	0.50	ug/L	06/17/14	AW	8082
PCB-1262	ND	0.50	ug/L	06/17/14	AW	8082
PCB-1268	ND	0.50	ug/L	06/17/14	AW	8082
QA/QC Surrogates						
% DCBP	110		%	06/17/14	AW	30 - 150 %
% TCMX	98		%	06/17/14	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	LK	06/16/14	10:15
Location Code:	F&O-PCB	Received by:	LB	06/16/14	12:11
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG59517
Phoenix ID: BG59528

Project ID: WOOD GROUP
Client ID: 1218140616-170

WC-12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB Extraction	Completed			06/16/14	T/FT	SW3510C
Polychlorinated Biphenyls						
PCB-1016	ND	5.0	ug/L	06/17/14	AW	8082
PCB-1221	ND	5.0	ug/L	06/17/14	AW	8082
PCB-1232	ND	5.0	ug/L	06/17/14	AW	8082
PCB-1242	ND	5.0	ug/L	06/17/14	AW	8082
PCB-1248	ND	5.0	ug/L	06/17/14	AW	8082
PCB-1254	15	5.0	ug/L	06/17/14	AW	8082
PCB-1260	ND	5.0	ug/L	06/17/14	AW	8082
PCB-1262	ND	5.0	ug/L	06/17/14	AW	8082
PCB-1268	ND	5.0	ug/L	06/17/14	AW	8082
QA/QC Surrogates						
% DCBP	125		%	06/17/14	AW	30 - 150 %
% TCMX	106		%	06/17/14	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/16/14	10:30
Location Code:	F&O-PCB	Received by:	LB	06/16/14	12:11
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG59517
Phoenix ID: BG59529

Project ID: WOOD GROUP
Client ID: 1218140616-171

WC-13

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	06/16/14	I	E160.3
Extraction for PCB	Completed			06/16/14	QP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	2.9	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	109		%	06/17/14	AW	30 - 150 %
% TCMX	119		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140616-171

WC-13

Phoenix I.D.: BG59529

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

July 01, 2014

QA/QC Data

SDG I.D.: GBG59517

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 277050, QC Sample No: BG59234 (BG59527, BG59528)									
Polychlorinated Biphenyls - Water									
PCB-1016	ND	94	93	1.1	101	103	2.0	40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	107	106	0.9	103	106	2.9	40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	73	111	108	2.7	76	65	15.6	30 - 150	20
% TCMX (Surrogate Rec)	59	103	97	6.0	106	110	3.7	30 - 150	20
QA/QC Batch 277167, QC Sample No: BG59522 (BG59517, BG59518, BG59519, BG59520, BG59521, BG59522, BG59523)									
Polychlorinated Biphenyls									
PCB-1016	ND	89	88	1.1	90	89	1.1	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	96	96	0.0	97	99	2.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	108	105	107	1.9	100	103	3.0	30 - 150	30
% TCMX (Surrogate Rec)	98	105	104	1.0	106	105	0.9	30 - 150	30
QA/QC Batch 277177, QC Sample No: BG59524 (BG59524, BG59525, BG59526, BG59529)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	96	96	0.0	92	89	3.3	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	96	97	1.0	101	94	7.2	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	107	105	107	1.9	106	97	8.9	30 - 150	30
% TCMX (Surrogate Rec)	106	107	108	0.9	103	93	10.2	30 - 150	30

QA/QC Data

SDG I.D.: GBG59517

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
July 01, 2014

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): BG59517, BG59518, BG59519, BG59520, BG59521, BG59522, BG59523, BG59524, BG59525, BG59526, BG59527, BG59528, BG59529

Sampling Date(s): 6/16/2014

RCP Methods Used:

☐ 1311/1312 ☑ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Tuesday, July 01, 2014

Printed Name: Ethan Lee

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

July 01, 2014

SDG I.D.: GBG59517

BG59517, BG59518, BG59521, BG59523, BG59524, BG59526 - The client requested a shorter list of elements than the 6010 RCP list. The following analytes were not reported: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Silver, Thallium, Vanadium, and Zinc.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 06/17/14-1 (BG59517, BG59518, BG59519, BG59520, BG59521)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/17/2014

Instrument: Au-ecd24 06/17/14-1 (BG59522, BG59523, BG59524, BG59525, BG59526, BG59529)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/17/2014

Instrument: Au-ecd48 06/17/14-1 (BG59524)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/17/2014

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

July 01, 2014

SDG I.D.: GBG59517

Instrument: Au-ecd5 06/17/14-1 (BG59522)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/17/2014

Instrument: Au-ecd8 06/17/14-1 (BG59527, BG59528)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/17/2014

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

July 01, 2014

SDG I.D.: GBG59517

QC (Site Specific)

---------- Sample No: BG59522, QA/QC Batch: 277167 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG59524, QA/QC Batch: 277177 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BG59234, QA/QC Batch: 277050 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

Temperature Narration

The samples were received at 1C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

July 01, 2014

SDG I.D.: GBG59517

1°W/C + Tp

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

CHAIN-OF-CUSTODY RECORD 31714

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☒ Standard (5 days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Wood Group	Windsor Locks, CT	20051184.R73	Phoenix

Report To: Kevin Vanderveer (F+O)
Invoice To:
P.O. No.:
Sampler's Signature: Lauren Haskett Date: 6/16/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water	Glass Soil Container (4) oz ☐ $Na(SO_4)_2$	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ml ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
01					1218140616-159	C	6/16/14	0846	✓								1				59517		*see below
02					-160			0852	✓								1				59518		
03					-161			0856	✓								1				59519		
04					-162			0900	✓								1				59520		
05					-163			0908	✓								1				59521		
06					-164			0913	✓								3				59522		MS/MSD
07					-165			0920	✓								1				59523		
08					-166			0924	✓								1				59524		
09					-167			0926	✓								1				59525		no charge
10					-168			0935	✓								1				59526		

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Lauren Haskett	Paradise	6/16/14	1211
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☒ QA/QC ☐ Other _____
1 Duplicates ____ Blanks (Item Nos: -167)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
Res DEC + GA PMC

Additional Comments:
* HOLD all samples for possible metals analysis

FUSS & O'NEILL
(850) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

1° W/C + IP

CHAIN-OF-CUSTODY RECORD 31713

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☒ Standard (5 days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Wood Group	Windsor Locks, CT	20051184.R73	Phoenix

REPORT TO: Kevin Vanderveer (F+O)
INVOICE TO:
P.O. NO.:
Sampler's Signature: Karen Kestro Date: 6/16/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other Equip. blank

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs	PCBs (Soxhlet)	Soil VOA Vial ☒ methanol	Soil VOA Vial ☒ water ☐ Na(SO4)2	Glass Soil Container (8) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber (1000 ml, ☐ As is ☐ H2SO4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H2SO4, ☐ 250 ml ☐ 500 ml	Plastic - HNO3, 250 ml ☐ Filtered ☐ 0.45µ ☐ 10µ	Plastic - NaOH, 250 ml	Comments
11					1218140616-169	X	6/16/14	1000	✓								1	59527				
12					↓ -170	W	↓	1019	✓								2	59528				* See below
13					-171	S		1030		✓							1	2	2				* See below

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Karen Kestro	CParadise	6/16/14	1211
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
____ Duplicates 1 Blanks (Item Nos: -169)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
GA PMC + Res DEC

Additional Comments: Sample # -170 contains Hexane
* HOLD samples for other possible analysis

PHOENIX
Environmental Laboratories, Inc.

Thursday, July 31, 2014

Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BG76990 - BG77002

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

REVIEWED **DMS**
By pbibeau at 1:35 pm, Aug 01, 2014

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.

Thursday, July 24, 2014

Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BG76990 - BG77002

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

REVIEWED DMS
By pbibeau at 10:23 am, Jul 31, 2014

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

July 31, 2014

SDG I.D.: GBG76990

Version 2: Changes were made to the QC section of the report.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 24, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MK	07/17/14	9:44
Location Code:	F&O-PCB	Received by:	SW	07/17/14	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG76990
Phoenix ID: BG76990

Project ID: WOOD GROUP P1-C447 (0-0.04')
Client ID: 784140717-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/17/14	JP/GX	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	103		%	07/18/14	AW	30 - 150 %
% TCMX	105		%	07/18/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 784140717-01

P1-C447 (0-0.04')

Phoenix I.D.: BG76990

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 24, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 24, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MK	07/17/14	12:05
Location Code:	F&O-PCB	Received by:	SW	07/17/14	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG76990
Phoenix ID: BG76991

Project ID: WOOD GROUP
Client ID: 784140717-02

P1-C448 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/17/14	JP/GX	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1254	1.3	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	105		%	07/18/14	AW	30 - 150 %
% TCMX	102		%	07/18/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 784140717-02

P1-C448 (0-0.04')

Phoenix I.D.: BG76991

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 24, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 24, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MK	07/17/14	11:26
Location Code:	F&O-PCB	Received by:	SW	07/17/14	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG76990
Phoenix ID: BG76992

Project ID: WOOD GROUP
Client ID: 784140717-03

P1-C449 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/17/14	JP/GX	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1254	0.85	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	88		%	07/19/14	AW	30 - 150 %
% TCMX	94		%	07/19/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 784140717-03

P1-C449 (0-0.04')

Phoenix I.D.: BG76992

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 24, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 24, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MK	07/17/14	11:55
Location Code:	F&O-PCB	Received by:	SW	07/17/14	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG76990
Phoenix ID: BG76993

Project ID: WOOD GROUP P1-C450 (0-0.04')
Client ID: 784140717-04

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	07/17/14	I	E160.3
Extraction for PCB	Completed				PP/D	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	107		%	07/19/14	AW	30 - 150 %
% TCMX	92		%	07/19/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 784140717-04

P1-C450 (0-0.04')

Phoenix I.D.: BG76993

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 24, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 24, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MK	07/17/14	11:33
Location Code:	F&O-PCB	Received by:	SW	07/17/14	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG76990
Phoenix ID: BG76994

Project ID: WOOD GROUP P1-C451 (0-0.04')
Client ID: 784140717-05

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/17/14	JP/GX	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	95		%	07/19/14	AW	30 - 150 %
% TCMX	103		%	07/19/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 784140717-05

P1-C451 (0-0.04')

Phoenix I.D.: BG76994

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 24, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 24, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MK	07/17/14	11:30
Location Code:	F&O-PCB	Received by:	SW	07/17/14	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG76990
Phoenix ID: BG76995

Project ID: WOOD GROUP
Client ID: 784140717-06

P1-C406 (0.17-0.25')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	07/17/14	I	E160.3
Extraction for PCB	Completed				PP/D	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	105		%	07/19/14	AW	30 - 150 %
% TCMX	84		%	07/19/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 784140717-06

P1-C406 (0.17-0.25')

Phoenix I.D.: BG76995

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 24, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 24, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MK	07/17/14	11:37
Location Code:	F&O-PCB	Received by:	SW	07/17/14	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG76990
Phoenix ID: BG76996

Project ID: WOOD GROUP P1-C434 (0.17-0.25')
Client ID: 784140717-07

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/18/14	PP/GD	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	07/19/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	07/19/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	07/19/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	07/19/14	AW	3540C/8082
PCB-1248	0.86	0.34	mg/kg	07/19/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	07/19/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	07/19/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	07/19/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	07/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	110		%	07/19/14	AW	30 - 150 %
% TCMX	102		%	07/19/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 784140717-07

P1-C434 (0.17-0.25')

Phoenix I.D.: BG76996

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 24, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 24, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MK	07/17/14	11:51
Location Code:	F&O-PCB	Received by:	SW	07/17/14	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG76990
Phoenix ID: BG76997

Project ID: WOOD GROUP P1-C438 (0.17-0.25')
Client ID: 784140717-08

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/17/14	JP/GX	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	07/19/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	07/19/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	07/19/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	07/19/14	AW	3540C/8082
PCB-1248	0.93	0.34	mg/kg	07/19/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	07/19/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	07/19/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	07/19/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	07/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	93		%	07/19/14	AW	30 - 150 %
% TCMX	104		%	07/19/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 784140717-08

P1-C438 (0.17-0.25')

Phoenix I.D.: BG76997

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 24, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 24, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MK	07/17/14	12:00
Location Code:	F&O-PCB	Received by:	SW	07/17/14	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG76990
Phoenix ID: BG76998

Project ID: WOOD GROUP P1-C417 (0.17-0.25')
Client ID: 784140717-09

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/17/14	JP/GX	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/18/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	95		%	07/18/14	AW	30 - 150 %
% TCMX	99		%	07/18/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 784140717-09

P1-C417 (0.17-0.25')

Phoenix I.D.: BG76998

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 24, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 24, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MK	07/17/14	13:40
Location Code:	F&O-PCB	Received by:	SW	07/17/14	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG76990
Phoenix ID: BG76999

Project ID: WOOD GROUP
Client ID: 784140717-10

P1-C420 (0.17-0.25')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	07/17/14	I	E160.3
MS/MSD Ext. For PCB	Completed			07/18/14		
Extraction for PCB	Completed			07/17/14	JP/GX	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	07/18/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	07/18/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	07/18/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	07/18/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	07/18/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	07/18/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	07/18/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	07/18/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	07/18/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	82		%	07/18/14	AW	30 - 150 %
% TCMX	95		%	07/18/14	AW	30 - 150 %
QC for PCB	Completed			07/21/14		

Project ID: WOOD GROUP
Client ID: 784140717-10

P1-C420 (0.17-0.25')

Phoenix I.D.: BG76999

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 24, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 24, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MK	07/17/14	13:47
Location Code:	F&O-PCB	Received by:	SW	07/17/14	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG76990
Phoenix ID: BG77000

Project ID: WOOD GROUP
Client ID: 784140717-11

P1-C422 (0.17-0.25')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/17/14	JP/GX	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	3.3	mg/kg	07/21/14	AW	3540C/8082
PCB-1221	ND	3.3	mg/kg	07/21/14	AW	3540C/8082
PCB-1232	ND	3.3	mg/kg	07/21/14	AW	3540C/8082
PCB-1242	ND	3.3	mg/kg	07/21/14	AW	3540C/8082
PCB-1248	49	3.3	mg/kg	07/21/14	AW	3540C/8082
PCB-1254	ND	3.3	mg/kg	07/21/14	AW	3540C/8082
PCB-1260	ND	3.3	mg/kg	07/21/14	AW	3540C/8082
PCB-1262	ND	3.3	mg/kg	07/21/14	AW	3540C/8082
PCB-1268	ND	3.3	mg/kg	07/21/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	07/21/14	AW	30 - 150 %
% TCMX	Diluted Out		%	07/21/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 784140717-11

P1-C422 (0.17-0.25')

Phoenix I.D.: BG77000

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 24, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 24, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MK	07/17/14	13:48
Location Code:	F&O-PCB	Received by:	SW	07/17/14	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG76990
Phoenix ID: BG77001

Project ID: WOOD GROUP
Client ID: 784140717-12

P1-C422 (0.17-0.25') Field Duplicate

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/17/14	JP/GX	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	17	mg/kg	07/22/14	AW	3540C/8082
PCB-1221	ND	17	mg/kg	07/22/14	AW	3540C/8082
PCB-1232	ND	17	mg/kg	07/22/14	AW	3540C/8082
PCB-1242	ND	17	mg/kg	07/22/14	AW	3540C/8082
PCB-1248	55	17	mg/kg	07/22/14	AW	3540C/8082
PCB-1254	ND	17	mg/kg	07/22/14	AW	3540C/8082
PCB-1260	ND	17	mg/kg	07/22/14	AW	3540C/8082
PCB-1262	ND	17	mg/kg	07/22/14	AW	3540C/8082
PCB-1268	ND	17	mg/kg	07/22/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	85		%	07/22/14	AW	30 - 150 %
% TCMX	111		%	07/22/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 784140717-12

P1-C422 (0.17-0.25') Field Duplicate

Phoenix I.D.: BG77001

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 24, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 24, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	MK	07/17/14	13:30
Location Code:	F&O-PCB	Received by:	SW	07/17/14	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG76990
Phoenix ID: BG77002

Project ID: WOOD GROUP
Client ID: 784140717-13

Equipment Blank

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB Extraction	Completed			07/17/14	L	SW3510C
Polychlorinated Biphenyls						
PCB-1016	ND	0.50	ug/L	07/18/14	AW	8082
PCB-1221	ND	0.50	ug/L	07/18/14	AW	8082
PCB-1232	ND	0.50	ug/L	07/18/14	AW	8082
PCB-1242	ND	0.50	ug/L	07/18/14	AW	8082
PCB-1248	ND	0.50	ug/L	07/18/14	AW	8082
PCB-1254	ND	0.50	ug/L	07/18/14	AW	8082
PCB-1260	ND	0.50	ug/L	07/18/14	AW	8082
PCB-1262	ND	0.50	ug/L	07/18/14	AW	8082
PCB-1268	ND	0.50	ug/L	07/18/14	AW	8082
QA/QC Surrogates						
% DCBP	72		%	07/18/14	AW	30 - 150 %
% TCMX	94		%	07/18/14	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 24, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

July 31, 2014

QA/QC Data

SDG I.D.: GBG76990

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 280185, QC Sample No: BG74559 (BG77002)									
Polychlorinated Biphenyls - Water									
PCB-1016	ND	103	103	0.0				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	101	103	2.0				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	85	91	99	8.4				30 - 150	20
% TCMX (Surrogate Rec)	93	104	100	3.9				30 - 150	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 280338, QC Sample No: BG76999 (BG76990, BG76991, BG76992, BG76993, BG76994, BG76995, BG76997, BG76998, BG76999, BG77000, BG77001)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	78			99	100	1.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	79			97	98	1.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	103	88			106	104	1.9	30 - 150	30
% TCMX (Surrogate Rec)	100	86			102	101	1.0	30 - 150	30

Comment:

The LCSD is not reported for this batch. The blank is from soxpcb-280343

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 280456, QC Sample No: BG77357 (BG76996)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	85	89	4.6				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	83	90	8.1				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30

QA/QC Data

SDG I.D.: GBG76990

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% DCBP (Surrogate Rec)	98	96	79	19.4				30 - 150	30
% TCMX (Surrogate Rec)	91	96	76	23.3				30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
July 31, 2014

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): BG76990, BG76991, BG76992, BG76993, BG76994, BG76995, BG76996, BG76997, BG76998, BG76999, BG77000, BG77001, BG77002

Sampling Date(s): 7/17/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Thursday, July 31, 2014

Printed Name: Ethan Lee

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

July 31, 2014

SDG I.D.: GBG76990

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 07/18/14-1 (BG76991, BG76992, BG76994, BG76996)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/18/2014

Instrument: Au-ecd1 07/21/14-1 (BG77001)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/21/2014

Instrument: Au-ecd24 07/18/14-1 (BG77002)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/18/2014

Instrument: Au-ecd48 07/18/14-1 (BG77001)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

July 31, 2014

SDG I.D.: GBG76990

Printed Name Adam Werner
Position: Chemist
Date: 7/18/2014

Instrument: Au-ecd48 07/19/14-1 (BG76996)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/19/2014

Instrument: Au-ecd5 07/18/14-1 (BG76990, BG76997, BG76998, BG76999, BG77000)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/18/2014

Instrument: Au-ecd5 07/21/14-1 (BG77000)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/21/2014

Instrument: Au-ecd6 07/19/14-1 (BG76993, BG76995)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

July 31, 2014

SDG I.D.: GBG76990

Printed Name	Adam Werner
Position:	Chemist
Date:	7/19/2014

QC Comments: QC Batch 280185 07/16/14 (BG77002)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC Comments: QC Batch 280338 07/17/14 (BG76990, BG76991, BG76992, BG76993, BG76994, BG76995, BG76996, BG76997, BG76998, BG76999, BG77000, BG77001)

The LCSD is not reported for this batch. The blank is from soxpcb-280343

QC (Site Specific)

---------- Sample No: BG76999, QA/QC Batch: 280338 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BG74559, QA/QC Batch: 280185 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

---------- Sample No: BG77357, QA/QC Batch: 280456 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples in this delivery group were received at 1°C.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

July 31, 2014

SDG I.D.: GBG76990

(Note acceptance criteria is above freezing up to 6°C)

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

1 oc
WIC
IP

CHAIN-OF-CUSTODY RECORD 31666

Turnaround
☐ 24-Hour* ☒ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184 R73
LABORATORY: Phoenix

REPORT TO: Kevin Vanderveer, F&O
INVOICE TO:
P.O. NO.:
Sampler's Signature: [signature] Date: 7/17/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (8082) via Soxhlet extraction	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber (____) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
01					78414071 7-01	C	7/17/14	0944	✓			1									76990
02					-02			1205	✓			1									76991
03					-03			1126	✓			1									76992
04					-04			1155	✓			1									76993
05					-05			1133	✓			1									76994
06					-06			1130	✓			1									76995
07					-07			1137	✓			1									76996
08					-08			1151	✓			1									76997
09					-09			1200	✓			1									76998
10					-10			1340	✓			3					7	6	9	9 9	MS/MSD

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	7/17/14	1520
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☒ QA/QC ☒ Other MS/MSD
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
Reg DEC and GAPMC

Additional Comments:

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

1 oc
1 uic
1 P

CHAIN-OF-CUSTODY RECORD 31667

Turnaround
☐ 24-Hour* ☒ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Wood Group	Windsor Locks, CT	20051184R73	Phoenix

REPORT TO: Kevin Vanderveer, FZO
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: [signature] Date: 7/17/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other Equipment Blank

Analysis Request: PCBs (8082) via Soxhlet extraction

Containers: Soil VOA Vial, ☐ methanol; Soil VOA Vial, ☐ water; Glass Soil Container (4) oz ☐ $Na(SO_4)_2$; Other:; Other:; Water VOA Vial, ☐ As is ☐ HCl; Glass Amber (950) ml, ☒ As is ☐ H_2SO_4; Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml; Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml; Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (8082) via Soxhlet extraction	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber (950) ml, ☒ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
11					784140717-11	C	7/17/14	1347	✓			1									77000
12					↓ -12	↓	↓	1348	✓			1									77001
13					↓ -13	X	↓	1330	✓							1					77002

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	7/17/14	15:20
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☒ QA/QC ☐ Other _____
1 Duplicates 1 Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
GAPMC and Reg DEC

Additional Comments:

PHOENIX
Environmental Laboratories, Inc.

Monday, September 29, 2014

Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BH17740 - BH17755

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

REVIEWED **DMS**
By pbibeau at 10:13 am, Oct 06, 2014

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 29, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/23/14	8:40
Location Code:	F&O-PCB	Received by:	LK	09/23/14	12:21
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17740
Phoenix ID: BH17740

Project ID: WOOD GROUP
Client ID: 1218140923-01

P1-C452 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	09/23/14	I	E160.3
Extraction for PCB	Completed			09/23/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.38	mg/kg	09/24/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	09/24/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	09/24/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	09/24/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	09/24/14	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	09/24/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	09/24/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	09/24/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	09/24/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	91		%	09/24/14	AW	30 - 150 %
% TCMX	98		%	09/24/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140923-01

P1-C452 (0-0.04')

Phoenix I.D.: BH17740

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 29, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 29, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/23/14	9:30
Location Code:	F&O-PCB	Received by:	LK	09/23/14	12:21
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17740
Phoenix ID: BH17741

Project ID: WOOD GROUP
Client ID: 1218140923-02

P1-C454 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	09/23/14	I	E160.3
Extraction for PCB	Completed			09/23/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1254	1.2	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	89		%	09/24/14	AW	30 - 150 %
% TCMX	99		%	09/24/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140923-02

P1-C454 (0-0.04')

Phoenix I.D.: BH17741

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 29, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 29, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/23/14	9:40
Location Code:	F&O-PCB	Received by:	LK	09/23/14	12:21
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17740
Phoenix ID: BH17742

Project ID: WOOD GROUP
Client ID: 1218140923-03

P1-C453 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	09/23/14	I	E160.3
Extraction for PCB	Completed			09/23/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	88		%	09/24/14	AW	30 - 150 %
% TCMX	98		%	09/24/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140923-03

P1-C453 (0-0.04')

Phoenix I.D.: BH17742

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 29, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 29, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/23/14	9:45
Location Code:	F&O-PCB	Received by:	LK	09/23/14	12:21
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17740
Phoenix ID: BH17743

Project ID: WOOD GROUP
Client ID: 1218140923-04

P1-C455 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	09/23/14	I	E160.3
Extraction for PCB	Completed			09/23/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1254	1.2	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	88		%	09/24/14	AW	30 - 150 %
% TCMX	97		%	09/24/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140923-04

P1-C455 (0-0.04')

Phoenix I.D.: BH17743

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 29, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 29, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/23/14	9:50
Location Code:	F&O-PCB	Received by:	LK	09/23/14	12:21
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17740
Phoenix ID: BH17744

Project ID: WOOD GROUP
Client ID: 1218140923-05

P1-C402 (0.08-0.12')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	09/23/14	I	E160.3
Extraction for PCB	Completed			09/23/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	89		%	09/24/14	AW	30 - 150 %
% TCMX	96		%	09/24/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140923-05

P1-C402 (0.08-0.12')

Phoenix I.D.: BH17744

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 29, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 29, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/23/14	9:52
Location Code:	F&O-PCB	Received by:	LK	09/23/14	12:21
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17740
Phoenix ID: BH17745

Project ID: WOOD GROUP
Client ID: 1218140923-06

P1-C402 (0.08-0.12') Field Duplicate

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	09/23/14	I	E160.3
Extraction for PCB	Completed			09/23/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	99		%	09/24/14	AW	30 - 150 %
% TCMX	88		%	09/24/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140923-06

P1-C402 (0.08-0.12') Field Duplicate

Phoenix I.D.: BH17745

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 29, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 29, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/23/14	10:05
Location Code:	F&O-PCB	Received by:	LK	09/23/14	12:21
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17740
Phoenix ID: BH17746

Project ID: WOOD GROUP
Client ID: 1218140923-07 P1-C406A (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	09/23/14	I	E160.3
MS/MSD Ext. For PCB	Completed			09/24/14		
Extraction for PCB	Completed			09/23/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1254	2.1	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	109		%	09/24/14	AW	30 - 150 %
% TCMX	108		%	09/24/14	AW	30 - 150 %
QC for PCB				09/24/14	AW	

Project ID: WOOD GROUP
Client ID: 1218140923-07

P1-C406A (0-0.04')

Phoenix I.D.: BH17746

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 29, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 29, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/23/14	10:12
Location Code:	F&O-PCB	Received by:	LK	09/23/14	12:21
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17740
Phoenix ID: BH17747

Project ID: WOOD GROUP P1-C434 (0.08-0.12')
Client ID: 1218140923-08

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	09/23/14	I	E160.3
Extraction for PCB	Completed			09/23/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1254	2.3	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	95		%	09/24/14	AW	30 - 150 %
% TCMX	96		%	09/24/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140923-08

P1-C434 (0.08-0.12')

Phoenix I.D.: BH17747

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 29, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 29, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/23/14	10:15
Location Code:	F&O-PCB	Received by:	LK	09/23/14	12:21
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17740
Phoenix ID: BH17748

Project ID: WOOD GROUP
Client ID: 1218140923-09 P1-C426A (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	09/23/14	I	E160.3
Extraction for PCB	Completed			09/23/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	102		%	09/24/14	AW	30 - 150 %
% TCMX	99		%	09/24/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140923-09

P1-C426A (0-0.04')

Phoenix I.D.: BH17748

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 29, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 29, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/23/14	10:22
Location Code:	F&O-PCB	Received by:	LK	09/23/14	12:21
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17740
Phoenix ID: BH17749

Project ID: WOOD GROUP
Client ID: 1218140923-10

P1-C420 (0.08-0.12')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	09/23/14	I	E160.3
Extraction for PCB	Completed			09/23/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1254	1.8	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	99		%	09/24/14	AW	30 - 150 %
% TCMX	98		%	09/24/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140923-10 P1-C420 (0.08-0.12')

Phoenix I.D.: BH17749

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 29, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 29, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/23/14	10:28
Location Code:	F&O-PCB	Received by:	LK	09/23/14	12:21
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17740
Phoenix ID: BH17750

Project ID: WOOD GROUP
Client ID: 1218140923-11

P1-C417 (0.08-0.12')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	09/23/14	I	E160.3
Extraction for PCB	Completed			09/23/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	95		%	09/24/14	AW	30 - 150 %
% TCMX	85		%	09/24/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140923-11

P1-C417 (0.08-0.12')

Phoenix I.D.: BH17750

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 29, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 29, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/23/14	10:35
Location Code:	F&O-PCB	Received by:	LK	09/23/14	12:21
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17740
Phoenix ID: BH17751

Project ID: WOOD GROUP
Client ID: 1218140923-12

P1-C456 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	09/23/14	I	E160.3
Extraction for PCB	Completed			09/23/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1254	0.5	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	94		%	09/24/14	AW	30 - 150 %
% TCMX	93		%	09/24/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140923-12

P1-C456 (0-0.04')

Phoenix I.D.: BH17751

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 29, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 29, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/23/14	10:42
Location Code:	F&O-PCB	Received by:	LK	09/23/14	12:21
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17740
Phoenix ID: BH17752

Project ID: WOOD GROUP
Client ID: 1218140923-13 P1-C438 (0.08-0.12')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	09/23/14	I	E160.3
Extraction for PCB	Completed			09/23/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	09/24/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	09/24/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	09/24/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	09/24/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	09/24/14	AW	3540C/8082
PCB-1254	1.3	0.34	mg/kg	09/24/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	09/24/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	09/24/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	09/24/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	96		%	09/24/14	AW	30 - 150 %
% TCMX	101		%	09/24/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140923-13

P1-C438 (0.08-0.12')

Phoenix I.D.: BH17752

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 29, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 29, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/23/14	10:46
Location Code:	F&O-PCB	Received by:	LK	09/23/14	12:21
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17740
Phoenix ID: BH17753

Project ID: WOOD GROUP
Client ID: 1218140923-14

P1-C457 (0-0.04')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	09/23/14	I	E160.3
Extraction for PCB	Completed			09/23/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	09/24/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	09/24/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	09/24/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	09/24/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	09/24/14	AW	3540C/8082
PCB-1254	1.6	0.34	mg/kg	09/24/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	09/24/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	09/24/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	09/24/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	94		%	09/24/14	AW	30 - 150 %
% TCMX	100		%	09/24/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140923-14

P1-C457 (0-0.04')

Phoenix I.D.: BH17753

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 29, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 29, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	LK	09/23/14	10:55
Location Code:	F&O-PCB	Received by:	LK	09/23/14	12:21
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17740
Phoenix ID: BH17754

Project ID: WOOD GROUP
Client ID: 1218140923-15

Equipment Blank

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB Extraction	Completed			09/23/14	L/T	SW3510C
Polychlorinated Biphenyls						
PCB-1016	ND	1.0	ug/L	09/24/14	AW	8082
PCB-1221	ND	1.0	ug/L	09/24/14	AW	8082
PCB-1232	ND	1.0	ug/L	09/24/14	AW	8082
PCB-1242	ND	1.0	ug/L	09/24/14	AW	8082
PCB-1248	ND	1.0	ug/L	09/24/14	AW	8082
PCB-1254	ND	1.0	ug/L	09/24/14	AW	8082
PCB-1260	ND	1.0	ug/L	09/24/14	AW	8082
PCB-1262	ND	1.0	ug/L	09/24/14	AW	8082
PCB-1268	ND	1.0	ug/L	09/24/14	AW	8082
QA/QC Surrogates						
% DCBP	67		%	09/24/14	AW	30 - 150 %
% TCMX	100		%	09/24/14	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 29, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 29, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/23/14	11:20
Location Code:	F&O-PCB	Received by:	LK	09/23/14	12:21
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17740
Phoenix ID: BH17755

Project ID: WOOD GROUP
Client ID: 1218140923-16

P3-C402 (0-0.08')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	09/23/14	I	E160.3
Extraction for PCB	Completed			09/23/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.37	mg/kg	09/24/14	AW	3540C/8082
PCB-1221	ND	0.37	mg/kg	09/24/14	AW	3540C/8082
PCB-1232	ND	0.37	mg/kg	09/24/14	AW	3540C/8082
PCB-1242	ND	0.37	mg/kg	09/24/14	AW	3540C/8082
PCB-1248	ND	0.37	mg/kg	09/24/14	AW	3540C/8082
PCB-1254	2.2	0.37	mg/kg	09/24/14	AW	3540C/8082
PCB-1260	ND	0.37	mg/kg	09/24/14	AW	3540C/8082
PCB-1262	ND	0.37	mg/kg	09/24/14	AW	3540C/8082
PCB-1268	ND	0.37	mg/kg	09/24/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	104		%	09/24/14	AW	30 - 150 %
% TCMX	98		%	09/24/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140923-16

P3-C402 (0-0.08')

Phoenix I.D.: BH17755

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 29, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

September 29, 2014

QA/QC Data

SDG I.D.: GBH17740

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 287024, QC Sample No: BH17590 (BH17740, BH17741, BH17742, BH17743, BH17744, BH17745, BH17747, BH17748, BH17749, BH17750)										
Polychlorinated Biphenyls - Solid										
PCB-1016	ND	90	85	5.7	92	89	3.3	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	93	91	2.2	122	111	9.4	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	86	67	100	39.5	88	87	1.1	30 - 150	30	r
% TCMX (Surrogate Rec)	81	85	81	4.8	90	89	1.1	30 - 150	30	
QA/QC Batch 287089, QC Sample No: BH17746 (BH17746, BH17751, BH17752, BH17753, BH17755)										
Polychlorinated Biphenyls - Solid										
PCB-1016	ND	100	95	5.1				40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	102	95	7.1				40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	96	97	90	7.5				30 - 150	30	
% TCMX (Surrogate Rec)	98	97	93	4.2				30 - 150	30	
Comment:										
MS/MSD could not be reported due to PCB in the unspiked sample. -aw										
QA/QC Batch 287122, QC Sample No: BH17754 (BH17754)										
Polychlorinated Biphenyls - Water										
PCB-1016	ND	95	88	7.7				40 - 140	20	
PCB-1221	ND							40 - 140	20	
PCB-1232	ND							40 - 140	20	
PCB-1242	ND							40 - 140	20	
PCB-1248	ND							40 - 140	20	
PCB-1254	ND							40 - 140	20	
PCB-1260	ND	113	97	15.2				40 - 140	20	
PCB-1262	ND							40 - 140	20	
PCB-1268	ND							40 - 140	20	
% DCBP (Surrogate Rec)	102	97	91	6.4				30 - 150	20	
% TCMX (Surrogate Rec)	79	75	72	4.1				30 - 150	20	

QA/QC Data

SDG I.D.: GBH17740

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.
Possible swap with sample BH17754 and Prep Blank. Both sample and blank RLs were raised to 1.0 and reporrted as ND per PS. -aw

r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
September 29, 2014

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): BH17740, BH17741, BH17742, BH17743, BH17744, BH17745, BH17746, BH17747, BH17748, BH17749, BH17750, BH17751, BH17752, BH17753, BH17754, BH17755

Sampling Date(s): 9/23/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Section: PCB Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Date: Monday, September 29, 2014

Authorized Signature: Ethan Lee

Printed Name: Ethan Lee

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

September 29, 2014

SDG I.D.: GBH17740

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 287024 (Samples: BH17740, BH17741, BH17742, BH17743, BH17744, BH17745, BH17747, BH17748, BH17749, BH17750): -----

The LCS/LCSD RPD exceeds the method criteria for the surrogate %DCBP, therefore there may be variability in the reported result.

Instrument: Au-ecd24 09/24/14-1 (BH17754)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 9/24/2014

Instrument: Au-ecd3 09/24/14-1 (BH17745, BH17746, BH17747, BH17748, BH17749, BH17750, BH17751, BH17752, BH17753, BH17755)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 9/24/2014

Instrument: Au-ecd48 09/24/14-1 (BH17740, BH17741, BH17742, BH17743, BH17744, BH17746, BH17754)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 9/24/2014

QC Comments: QC Batch 287122 09/23/14 (BH17754)

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

September 29, 2014

SDG I.D.: GBH17740

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.
Possible swap with sample BH17754 and Prep Blank. Both sample and blank RLs were raised to 1.0 and reporrted as ND per PS. -aw

QC Comments: QC Batch 287089 09/23/14 (BH17746, BH17751, BH17752, BH17753, BH17755)

MS/MSD could not be reported due to PCB in the unspiked sample. -aw

QC (Site Specific)

---------- Sample No: BH17746, QA/QC Batch: 287089 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BH17754, QA/QC Batch: 287122 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BH17590, QA/QC Batch: 287024 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: % DCBP (Surrogate Rec)(39.5%)

Temperature Narration

The samples were received at 1C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

1°W/C + Ip

CHAIN-OF-CUSTODY RECORD 31790

Turnaround
☐ 24-Hour* ☒ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Wood Grap	Windsor Locks, CT	20051184.R73	Phoenix

Report To: Kevin Vandenveer (F+O)
Invoice To: ↓
P.O. No.:
Sampler's Signature: Lauren Kastelic Date: 9/23/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs/SOxhlet	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water	Glass Soil Container (4) oz ☐ $Na(SO_4)_2$	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ml ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
01					1218140923-01	~~GW~~ SC	9/23/14	0840	X			1									17740
02					-02			0930													17741
03					-03			0940													17742
04					-04			0945													17743
05					-05			0950								17744					~~no charge~~
06					-06			0952								17745					no charge
07					-07			1005				3				17746					MS/MSD
08					-08			1012				1									17747
09					-09			1015													17748
10					-10			1022													17749

Transfer Number	Relinquished By	Accepted By	Date	Time
1	L. Kastelic	CParadise	9/23/14	1221
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☒ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
Res Dec

Additional Comments:

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

1°W|C+IP

CHAIN-OF-CUSTODY RECORD 31791

Turnaround
☐ 24-Hour* ☒ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Wood Group	Windsor Locks, CT	20051184.R73	Phoenix

Report To: Kevin Vandeweer (F+O)
Invoice To: ↓
P.O. No.:
Sampler's Signature: Lauren Kastot Date: 9/23/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other Equipment Blank

Analysis Request: PCBs/Soxhlet

Containers: Soil VOA Vial, ☐ methanol; Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$; Glass Soil Container (4) oz; Other:; Other:; Water VOA Vial, ☐ As is ☐ HCl; Glass Amber (1000 ml, ☒ As is ☐ H_2SO_4; Plastic - As is, ☐ 250 ml ☐ 500 ml ☐ 1000 ml; Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml; Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs/Soxhlet	Glass Soil Container (4) oz	Glass Amber (1000 ml, ☒ As is	Comments
11					1218140923-11	C	9/23/14	1028	X	1		17750
12					-12			1035				17751
13					-13			1042				17752
14					-14			1046				17753
15					-15	X		1055			1	17754
16					-16	C		1120		1		17755

Transfer Number	Relinquished By	Accepted By	Date	Time
1	L. Kastot	Paradise	9/23/14	1221
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☒ QA/QC ☐ Other _____
____ Duplicates 1 Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
Res DEC

Additional Comments:

PHOENIX
Environmental Laboratories, Inc.

Tuesday, October 21, 2014

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BH27349 - BH27351, BH27353 - BH27354, BH27356 - BH27357, BH27359 - BH27363, BH27365

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

REVIEWED DMS
By pbibeau at 2:34 pm, Oct 22, 2014

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 21, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:		10/14/14	14:00
Location Code:	F&O-PCB	Received by:	LB	10/14/14	16:35
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH27349
Phoenix ID: BH27349

Project ID: WOOD GROUP P1-C458 (0-0.04')
Client ID: 1251141014-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	10/14/14	I	E160.3
Extraction for PCB	Completed			10/14/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	10/15/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	10/15/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	10/15/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	10/15/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	10/15/14	AW	3540C/8082
PCB-1254	0.86	0.33	mg/kg	10/15/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	10/15/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	10/15/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	10/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	104		%	10/15/14	AW	30 - 150 %
% TCMX	100		%	10/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1251141014-01

P1-C458 (0-0.04')

Phoenix I.D.: BH27349

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 21, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

October 21, 2014

QA/QC Data

SDG I.D.: GBH27349

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 289039, QC Sample No: BH26545 (BH27365)									
Polychlorinated Biphenyls - Waste Water									
PCB-1016	ND	100	95	5.1				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	99	100	1.0				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	104	100	99	1.0				30 - 150	20
% TCMX (Surrogate Rec)	87	87	73	17.5				30 - 150	20
Comment:									
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.									
QA/QC Batch 289173, QC Sample No: BH27350 (BH27349, BH27350, BH27351, BH27352, BH27353, BH27354, BH27355, BH27356, BH27357, BH27358, BH27359, BH27360, BH27361, BH27362, BH27363, BH27364)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	87	79	9.6	87	84	3.5	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	94	97	3.1	96	91	5.3	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	100	102	103	1.0	97	90	7.5	30 - 150	30
% TCMX (Surrogate Rec)	87	89	89	0.0	89	85	4.6	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
October 21, 2014

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): BH27349, BH27350, BH27351, BH27352, BH27353, BH27354, BH27355, BH27356, BH27357, BH27358, BH27359, BH27360, BH27361, BH27362, BH27363, BH27364, BH27365

Sampling Date(s): 10/14/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Section: PCB Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Date: Tuesday, October 21, 2014

Authorized Signature: Ethan Lee

Printed Name: Ethan Lee

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

October 21, 2014

SDG I.D.: GBH27349

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

BH27365 - The surrogate recovery exceeds the method criteria for %DCBP. The other surrogate recovery is acceptable, therefore no significant bias is suspected.

Instrument: Au-ecd3 10/15/14-1 (BH27349, BH27350, BH27351, BH27352, BH27353, BH27354, BH27355, BH27356, BH27357, BH27358, BH27359, BH27360, BH27361, BH27362, BH27363, BH27364)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 10/15/2014

Instrument: Au-ecd3 10/17/14-1 (BH27362)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 10/17/2014

Instrument: Au-ecd5 10/15/14-1 (BH27365)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 10/15/2014

Instrument: Au-ecd6 10/15/14-1 (BH27350)

8082 Narration:

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

October 21, 2014

SDG I.D.: GBH27349

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 10/15/2014

QC Comments: QC Batch 289039 10/13/14 (BH27365)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC (Site Specific)

---------- Sample No: BH27350, QA/QC Batch: 289173 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

QC (Batch Specific)

---------- Sample No: BH26545, QA/QC Batch: 289039 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

Temperature Narration

The samples were received at 4C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

October 21, 2014

SDG I.D.: GBH27349

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

4°W/C + IP

CHAIN-OF-CUSTODY RECORD 31947

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☒ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 1996142.D20
LABORATORY: Phoenix

REPORT TO: Kevin Vandegweer (F&O)
INVOICE TO:
P.O. NO.:
Sampler's Signature:
Date: 10/14/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request: PCBs (Soxhlet)

Containers: Soil VOA Vial, ☐ methanol; Soil VOA Vial, ☐ water; ☐ $Na_2(SO_4)_2$; Glass Soil Container (4) oz; Other:; Other:; Water VOA Vial, ☐ As is ☐ HCl; Glass Amber (____) ml, ☐ As is ☐ H_2SO_4; Plastic - As is, ☐ 250 ml ☐ 500 ml ☐ 1000 ml; Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml; Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water	☐ $Na_2(SO_4)_2$	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber (____) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ml ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
01					1251141014-01	C	10/14/14	1400	X				2					27349				
02					-02	S		1420					3					27350				MS/MSD
03					-03			1425					1					27351				
04					-04			1430										27352				
05					-05			1435										27353				
06					-06			1440										27354				
07					-07			1445										27355				
08					-08			1450										27356				
09					-09			1455										27357				
10					-10			1500										27358				

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	CParadise	10/14/14	1635
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
Res DEC

Additional Comments:
48-hr TAT

4°W/C HP

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

CHAIN-OF-CUSTODY RECORD 31948

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☒ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Wood Group	Windsor Locks, CT	1996142.D20	Phoenix

Report To: Kevin Vandervieer, (F&O)
Invoice To:
P.O. No.:
Sampler's Signature: [signature] Date: 10/14/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other WASTE WATER

Analysis Request: RCBs (Soxhlet)

Containers: Soil VOA Vial, ☐ methanol; Soil VOA Vial, ☐ water; Glass Soil Container (402); Other:; Other:; Water VOA Vial, ☐ As is ☐ HCl; Glass Amber (1000) ml, ☒ As is ☐ H_2SO_4; Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml; Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml; Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45µ ☐ 10µ; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	RCBs (Soxhlet)	Glass Soil Container (402)	Glass Amber (1000) ml	Comments
11					1251141014-11	S	10/14/14	1505	X	1		27359
12					-12			1510				27360
13					-13			1515				27361
14					-14			1520				27362
15					-15			1525				27363
16					-16			1530				27364
17					-17	X		1545			1	27365

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	Paradise	10/14/14	1635
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
Res DEC

Additional Comments:
48-hr TAT

PHOENIX
Environmental Laboratories, Inc.

Tuesday, July 08, 2014

Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BG55085 - BG55100, BG55104, BG55108, BG55112 - BG55113, BG55116 - BG55118, BG55121, BG55125, BG55129 - BG55130, BG55134, BG55138 - BG55140

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

REVIEWED DMS
By pbibeau at 9:02 am, Jul 09, 2014

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	8:50
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55085

Project ID: WOOD GROUP
Client ID: 1218140610-001 P1-201 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	106		%	06/11/14	AW	30 - 150 %
% TCMX	95		%	06/11/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-001

P1-201 (0.5-1')

Phoenix I.D.: BG55085

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	8:52
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55086

Project ID: WOOD GROUP
Client ID: 1218140610-002 P1-201 (1-2')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	108		%	06/11/14	AW	30 - 150 %
% TCMX	97		%	06/11/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-002

P1-201 (1-2')

Phoenix I.D.: BG55086

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	8:54
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55087

Project ID: WOOD GROUP
Client ID: 1218140610-003 P1-201 (2-4')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	109		%	06/11/14	AW	30 - 150 %
% TCMX	93		%	06/11/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-003

P1-201 (2-4')

Phoenix I.D.: BG55087

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	9:02
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55088

Project ID: WOOD GROUP
Client ID: 1218140610-004 P1-201 (6-8')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	112		%	06/11/14	AW	30 - 150 %
% TCMX	94		%	06/11/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-004

P1-201 (6-8')

Phoenix I.D.: BG55088

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	9:55
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55089

Project ID: WOOD GROUP
Client ID: 1218140610-005 P1-202 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	107		%	06/11/14	AW	30 - 150 %
% TCMX	93		%	06/11/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-005

P1-202 (0.5-1')

Phoenix I.D.: BG55089

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	9:58
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55090

Project ID: WOOD GROUP
Client ID: 1218140610-006 P1-202 (1-2')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	110		%	06/11/14	AW	30 - 150 %
% TCMX	99		%	06/11/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-006

P1-202 (1-2')

Phoenix I.D.: BG55090

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	10:00
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55091

Project ID: WOOD GROUP
Client ID: 1218140610-007 P1-202 (2-4')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Cobalt	2.79	0.32	mg/Kg	06/17/14	EK	SW6010	
Percent Solid	97		%	06/10/14	I	E160.3	
MS/MSD Ext. For PCB	Completed			06/11/14			
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C	
Total Metals Digest	Completed			06/16/14	CB/AG	SW846 - 3050	
Tungsten	BRL	3.2	mg/Kg	07/03/14	*	SW6010	S
PCB (Soxhlet)							
PCB-1016	ND	0.34	mg/kg	06/11/14	AW	3540C/8082	
PCB-1221	ND	0.34	mg/kg	06/11/14	AW	3540C/8082	
PCB-1232	ND	0.34	mg/kg	06/11/14	AW	3540C/8082	
PCB-1242	ND	0.34	mg/kg	06/11/14	AW	3540C/8082	
PCB-1248	ND	0.34	mg/kg	06/11/14	AW	3540C/8082	
PCB-1254	0.76	0.34	mg/kg	06/11/14	AW	3540C/8082	
PCB-1260	ND	0.34	mg/kg	06/11/14	AW	3540C/8082	
PCB-1262	ND	0.34	mg/kg	06/11/14	AW	3540C/8082	
PCB-1268	ND	0.34	mg/kg	06/11/14	AW	3540C/8082	
QA/QC Surrogates							
% DCBP	112		%	06/11/14	AW	30 - 150 %	
% TCMX	110		%	06/11/14	AW	30 - 150 %	
QC for PCB	Completed			06/12/14			

Project ID: WOOD GROUP
Client ID: 1218140610-007

P1-202 (2-4')

Phoenix I.D.: BG55091

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

S = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

Tungsten (SW6010) was analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	10:07
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55092

Project ID: WOOD GROUP
Client ID: 1218140610-008 P1-202 (6-8')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	106		%	06/11/14	AW	30 - 150 %
% TCMX	97		%	06/11/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-008

P1-202 (6-8')

Phoenix I.D.: BG55092

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	10:08
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55093

Project ID: WOOD GROUP
Client ID: 1218140610-009

P1-202 (6-8') Field Duplicate

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	104		%	06/11/14	AW	30 - 150 %
% TCMX	87		%	06/11/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-009

P1-202 (6-8') Field Duplicate

Phoenix I.D.: BG55093

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	10:10
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55094

Project ID: WOOD GROUP
Client ID: 1218140610-010 P1-202 (8-10')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/12/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.36	mg/kg	06/13/14	AW	3540C/8082
PCB-1221	ND	0.36	mg/kg	06/13/14	AW	3540C/8082
PCB-1232	ND	0.36	mg/kg	06/13/14	AW	3540C/8082
PCB-1242	ND	0.36	mg/kg	06/13/14	AW	3540C/8082
PCB-1248	ND	0.36	mg/kg	06/13/14	AW	3540C/8082
PCB-1254	ND	0.36	mg/kg	06/13/14	AW	3540C/8082
PCB-1260	ND	0.36	mg/kg	06/13/14	AW	3540C/8082
PCB-1262	ND	0.36	mg/kg	06/13/14	AW	3540C/8082
PCB-1268	ND	0.36	mg/kg	06/13/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	105		%	06/13/14	AW	30 - 150 %
% TCMX	105		%	06/13/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-010

P1-202 (8-10')

Phoenix I.D.: BG55094

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	10:18
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55095

Project ID: WOOD GROUP
Client ID: 1218140610-011 P1-203 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	110		%	06/11/14	AW	30 - 150 %
% TCMX	99		%	06/11/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-011 P1-203 (0.5-1')

Phoenix I.D.: BG55095

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	10:20
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55096

Project ID: WOOD GROUP
Client ID: 1218140610-012 P1-203 (1-2')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	103		%	06/11/14	AW	30 - 150 %
% TCMX	95		%	06/11/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-012

P1-203 (1-2')

Phoenix I.D.: BG55096

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	10:22
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55097

Project ID: WOOD GROUP
Client ID: 1218140610-013 P1-203 (2-4')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	111		%	06/11/14	AW	30 - 150 %
% TCMX	93		%	06/11/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-013

P1-203 (2-4')

Phoenix I.D.: BG55097

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	10:24
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55098

Project ID: WOOD GROUP
Client ID: 1218140610-014 P1-203 (6-8')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	108		%	06/11/14	AW	30 - 150 %
% TCMX	95		%	06/11/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-014

P1-203 (6-8')

Phoenix I.D.: BG55098

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	10:26
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55099

Project ID: WOOD GROUP
Client ID: 1218140610-015 P1-203 (8-10')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/12/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/13/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/13/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/13/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/13/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/13/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	06/13/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/13/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/13/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/13/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	103		%	06/13/14	AW	30 - 150 %
% TCMX	100		%	06/13/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-015

P1-203 (8-10')

Phoenix I.D.: BG55099

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	10:48
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55100

Project ID: WOOD GROUP
Client ID: 1218140610-016 P1-205 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/11/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	106		%	06/11/14	AW	30 - 150 %
% TCMX	91		%	06/11/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-016

P1-205 (0.5-1')

Phoenix I.D.: BG55100

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	11:15
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55104

Project ID: WOOD GROUP
Client ID: 1218140610-020 P1-206 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1248	0.54	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	06/11/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	120		%	06/11/14	AW	30 - 150 %
% TCMX	103		%	06/11/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-020

P1-206 (0.5-1')

Phoenix I.D.: BG55104

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	11:34
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55108

Project ID: WOOD GROUP
Client ID: 1218140610-024 P1-207 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	118		%	06/11/14	AW	30 - 150 %
% TCMX	102		%	06/11/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-024

P1-207 (0.5-1')

Phoenix I.D.: BG55108

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	12:36
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55112

Project ID: WOOD GROUP
Client ID: 1218140610-028 P1-208 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Cobalt	29.5	0.34	mg/Kg	06/18/14	LK	SW6010	
Percent Solid	98		%	06/10/14	I	E160.3	
MS/MSD Ext. For PCB	Completed			06/11/14			
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C	
Total Metals Digest MS/MSD	Completed			06/18/14			
Total Metals Digest	Completed			06/17/14	CB/AG	SW846 - 3050	
Tungsten	8.6	3.3	mg/Kg	07/03/14	*	SW6010	S
PCB (Soxhlet)							
PCB-1016	ND	8.4	mg/kg	06/12/14	AW	3540C/8082	
PCB-1221	ND	8.4	mg/kg	06/12/14	AW	3540C/8082	
PCB-1232	ND	8.4	mg/kg	06/12/14	AW	3540C/8082	
PCB-1242	ND	8.4	mg/kg	06/12/14	AW	3540C/8082	
PCB-1248	*	8.4	mg/kg	06/12/14	AW	3540C/8082	
PCB-1254	*	8.4	mg/kg	06/12/14	AW	3540C/8082	
PCB-1260	ND	8.4	mg/kg	06/12/14	AW	3540C/8082	
PCB-1262	ND	8.4	mg/kg	06/12/14	AW	3540C/8082	
PCB-1268	ND	8.4	mg/kg	06/12/14	AW	3540C/8082	
Total PCBs	26	8.4	mg/kg	06/12/14	AW	3540C/8082	
QA/QC Surrogates							
% DCBP	Diluted Out		%	06/12/14	AW	30 - 150 %	
% TCMX	Diluted Out		%	06/12/14	AW	30 - 150 %	
QC for PCB	Completed			06/12/14	AW		

Project ID: WOOD GROUP
Client ID: 1218140610-028

P1-208 (0.5-1')

Phoenix I.D.: BG55112

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

S = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

Tungsten (SW6010) was analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	12:38
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55113

Project ID: WOOD GROUP
Client ID: 1218140610-029

P1-208 (1-2')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	06/16/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	105		%	06/17/14	AW	30 - 150 %
% TCMX	106		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-029

P1-208 (1-2')

Phoenix I.D.: BG55113

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	12:58
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55116

Project ID: WOOD GROUP
Client ID: 1218140610-032 P1-209 (0.5-1') Field Duplicate

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	*	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	*	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
Total PCBs	0.86	0.35	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	97		%	06/17/14	AW	30 - 150 %
% TCMX	100		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-032

P1-209 (0.5-1') Field Duplicate

Phoenix I.D.: BG55116

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	12:59
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55117

Project ID: WOOD GROUP
Client ID: 1218140610-033 P1-209 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	1.7	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	1.7	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	1.7	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	1.7	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	*	1.7	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	*	1.7	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	1.7	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	1.7	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	1.7	mg/kg	06/17/14	AW	3540C/8082
Total PCBs	6.4	1.7	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	06/17/14	AW	30 - 150 %
% TCMX	Diluted Out		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-033

P1-209 (0.5-1')

Phoenix I.D.: BG55117

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	13:02
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55118

Project ID: WOOD GROUP
Client ID: 1218140610-034 P1-209 (1-2')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	06/16/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	0.44	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	117		%	06/17/14	AW	30 - 150 %
% TCMX	112		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-034

P1-209 (1-2')

Phoenix I.D.: BG55118

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	13:35
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55121

Project ID: WOOD GROUP
Client ID: 1218140610-037 P1-210 (0.3-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	104		%	06/11/14	AW	30 - 150 %
% TCMX	94		%	06/11/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-037 P1-210 (0.3-1')

Phoenix I.D.: BG55121

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	13:48
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55125

Project ID: WOOD GROUP
Client ID: 1218140610-041 P1-211 (0.3-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	91		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.36	mg/kg	06/12/14	AW	3540C/8082
PCB-1221	ND	0.36	mg/kg	06/12/14	AW	3540C/8082
PCB-1232	ND	0.36	mg/kg	06/12/14	AW	3540C/8082
PCB-1242	ND	0.36	mg/kg	06/12/14	AW	3540C/8082
PCB-1248	*	0.36	mg/kg	06/12/14	AW	3540C/8082
PCB-1254	*	0.36	mg/kg	06/12/14	AW	3540C/8082
PCB-1260	ND	0.36	mg/kg	06/12/14	AW	3540C/8082
PCB-1262	ND	0.36	mg/kg	06/12/14	AW	3540C/8082
PCB-1268	ND	0.36	mg/kg	06/12/14	AW	3540C/8082
Total PCBs	0.65	0.36	mg/kg	06/12/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	102		%	06/12/14	AW	30 - 150 %
% TCMX	96		%	06/12/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-041

P1-211 (0.3-1')

Phoenix I.D.: BG55125

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	14:00
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55129

Project ID: WOOD GROUP
Client ID: 1218140610-045

P1-212 (0.3-1') Field Duplicate

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1248	0.74	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	125		%	06/11/14	AW	30 - 150 %
% TCMX	112		%	06/11/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-045

P1-212 (0.3-1') Field Duplicate

Phoenix I.D.: BG55129

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	14:02
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55130

Project ID: WOOD GROUP
Client ID: 1218140610-046 P1-212 (0.3-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1248	0.95	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	125		%	06/11/14	AW	30 - 150 %
% TCMX	114		%	06/11/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-046

P1-212 (0.3-1')

Phoenix I.D.: BG55130

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	14:20
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55134

Project ID: WOOD GROUP
Client ID: 1218140610-050

P1-213 (0.3-1.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	06/10/14	I	E160.3
MS/MSD Ext. For PCB	Completed			06/11/14		
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1248	0.62	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	06/11/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	120		%	06/11/14	AW	30 - 150 %
% TCMX	104		%	06/11/14	AW	30 - 150 %
QC for PCB	Completed			06/11/14	AW	

Project ID: WOOD GROUP
Client ID: 1218140610-050

P1-213 (0.3-1.5')

Phoenix I.D.: BG55134

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	14:30
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55138

Project ID: WOOD GROUP
Client ID: 1218140610-054 P1-214 (0.3-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	06/10/14	I	E160.3
Extraction for PCB	Completed			06/10/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	3.4	mg/kg	06/12/14	AW	3540C/8082
PCB-1221	ND	3.4	mg/kg	06/12/14	AW	3540C/8082
PCB-1232	ND	3.4	mg/kg	06/12/14	AW	3540C/8082
PCB-1242	ND	3.4	mg/kg	06/12/14	AW	3540C/8082
PCB-1248	17	3.4	mg/kg	06/12/14	AW	3540C/8082
PCB-1254	ND	3.4	mg/kg	06/12/14	AW	3540C/8082
PCB-1260	ND	3.4	mg/kg	06/12/14	AW	3540C/8082
PCB-1262	ND	3.4	mg/kg	06/12/14	AW	3540C/8082
PCB-1268	ND	3.4	mg/kg	06/12/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	06/12/14	AW	30 - 150 %
% TCMX	Diluted Out		%	06/12/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-054

P1-214 (0.3-1')

Phoenix I.D.: BG55138

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	14:32
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55139

Project ID: WOOD GROUP
Client ID: 1218140610-055 P1-214 (1-2')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	06/16/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	2.1	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	116		%	06/17/14	AW	30 - 150 %
% TCMX	114		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-055

P1-214 (1-2')

Phoenix I.D.: BG55139

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/10/14	14:34
Location Code:	F&O-PCB	Received by:	LK	06/10/14	15:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG55085
Phoenix ID: BG55140

Project ID: WOOD GROUP
Client ID: 1218140610-056 P1-214 (2-3')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	06/23/14	I	E160.3
Extraction for PCB	Completed			06/23/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	06/24/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	06/24/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	06/24/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	06/24/14	AW	3540C/8082
PCB-1248	1	0.34	mg/kg	06/24/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	06/24/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	06/24/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	06/24/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	06/24/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	97		%	06/24/14	AW	30 - 150 %
% TCMX	103		%	06/24/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140610-056

P1-214 (2-3')

Phoenix I.D.: BG55140

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

July 08, 2014

QA/QC Data

SDG I.D.: GBG55085

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 277153, QC Sample No: BG55091 (BG55091)												
ICP Metals - Soil												
Cobalt	BRL	2.79	3.39	19.4	91.7	96.3	4.9	92.4	94.8	2.6	75 - 125	30
QA/QC Batch 277247, QC Sample No: BG55112 (BG55112)												
ICP Metals - Soil												
Cobalt	BRL	29.5	31.1	5.30	90.6	92.6	2.2	89.6	91.4	2.0	75 - 125	30

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

July 08, 2014

QA/QC Data

SDG I.D.: GBG55085

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 276640, QC Sample No: BG55091 (BG55085, BG55086, BG55087, BG55088, BG55089, BG55090, BG55091, BG55092, BG55093, BG55095, BG55096, BG55097, BG55098, BG55100, BG55104, BG55108, BG55116, BG55117, BG55121, BG55125)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	92	92	0.0	93	93	0.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	109	107	1.9	122	126	3.2	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	107	111	112	0.9	109	112	2.7	30 - 150	30
% TCMX (Surrogate Rec)	94	93	96	3.2	92	92	0.0	30 - 150	30
QA/QC Batch 276648, QC Sample No: BG55112 (BG55112, BG55129, BG55130, BG55138)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	93	97	4.2				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	95	98	3.1				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	121	121	126	4.0				30 - 150	30
% TCMX (Surrogate Rec)	106	111	111	0.0				30 - 150	30

Comment:

*QC Comment
The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QA/QC Batch 276649, QC Sample No: BG55134 (BG55134)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	108	103	4.7	120	120	0.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	112	114	1.8	123	119	3.3	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30

QA/QC Data

SDG I.D.: GBG55085

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% DCBP (Surrogate Rec)	127	129	129	0.0	133	133	0.0	30 - 150	30
% TCMX (Surrogate Rec)	97	108	102	5.7	109	109	0.0	30 - 150	30
QA/QC Batch 276898, QC Sample No: BG55802 (BG55094, BG55099)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	97	89	8.6	98	98	0.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	97	94	3.1	97	96	1.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	117	116	118	1.7	119	118	0.8	30 - 150	30
% TCMX (Surrogate Rec)	108	108	99	8.7	107	109	1.9	30 - 150	30
QA/QC Batch 277147, QC Sample No: BG58863 (BG55113, BG55118, BG55139)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	107	112	4.6	103	103	0.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	115	115	0.0	115	116	0.9	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	127	131	131	0.0	124	126	1.6	30 - 150	30
% TCMX (Surrogate Rec)	107	106	104	1.9	99	99	0.0	30 - 150	30
QA/QC Batch 277717, QC Sample No: BG63448 (BG55140)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	93	97	4.2				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	98	102	4.0				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	114	113	118	4.3				30 - 150	30
% TCMX (Surrogate Rec)	110	101	107	5.8				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Data

SDG I.D.: GBG55085

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
July 08, 2014

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): BG55085, BG55086, BG55087, BG55088, BG55089, BG55090, BG55091, BG55092, BG55093, BG55094, BG55095, BG55096, BG55097, BG55098, BG55099, BG55100, BG55101, BG55102, BG55103, BG55104, BG55105, BG55106, BG55107, BG55108, BG55109, BG55110, BG55111, BG55112, BG55113, BG55114, BG55115, BG55116, BG55117, BG55118, BG55119, BG55120, BG55121, BG55122, BG55123, BG55124, BG55125, BG55126, BG55127, BG55128, BG55129, BG55130, BG55131, BG55132, BG55133, BG55134, BG55135, BG55136, BG55137, BG55138, BG55139, BG55140, BG55141

Sampling Date(s): 6/10/2014

RCP Methods Used:

☐ 1311/1312 ☑ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☐ Yes ☑ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Tuesday, July 08, 2014

Printed Name: Ethan Lee

Position: Project Manager

Nov 2007

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

July 08, 2014

SDG I.D.: GBG55085

BG5509, BG55112 - The following analytes from the 6010 RCP Metals list were not reported: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc.

ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Arcos 06/17/14-1 (BG55091)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 6/17/2014

Instrument: Arcos 06/18/14-1 (BG55112)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 6/18/2014

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

July 08, 2014

SDG I.D.: GBG55085

QC (Site Specific)

---------- Sample No: BG55091, QA/QC Batch: 277153 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 75 - 125 with the following exceptions: None.

All MSD recoveries were within 75 - 125 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG55112, QA/QC Batch: 277247 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 75 - 125 with the following exceptions: None.

All MSD recoveries were within 75 - 125 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 06/24/14-1 (BG55140)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/24/2014

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

July 08, 2014

SDG I.D.: GBG55085

Instrument: Au-ecd24 06/11/14-1 (BG55085, BG55086, BG55087, BG55088, BG55089, BG55090, BG55091, BG55092, BG55093, BG55095, BG55096, BG55097, BG55098, BG55100, BG55104, BG55108, BG55112, BG55116, BG55117, BG55121, BG55125, BG55129, BG55130, BG55134, BG55138)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/11/2014

Instrument: Au-ecd3 06/11/14-1 (BG55134)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/11/2014

Instrument: Au-ecd48 06/12/14-1 (BG55112)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/12/2014

Instrument: Au-ecd5 06/12/14-1 (BG55112, BG55116, BG55117, BG55125, BG55138)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

July 08, 2014

SDG I.D.: GBG55085

Printed Name Adam Werner
Position: Chemist
Date: 6/12/2014

Instrument: Au-ecd6 06/11/14-1 (BG55112)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/11/2014

Instrument: Au-ecd6 06/13/14-1 (BG55094, BG55099)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/13/2014

Instrument: Au-ecd6 06/17/14-1 (BG55116, BG55117)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/17/2014

Instrument: Au-ecd8 06/17/14-1 (BG55113, BG55118, BG55139)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

July 08, 2014

SDG I.D.: GBG55085

Printed Name	Adam Werner
Position:	Chemist
Date:	6/17/2014

QC Comments: QC Batch 276648 06/10/14 (BG55112, BG55129, BG55130, BG55138)

*QC Comment
The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QC Comments: QC Batch 277717 06/20/14 (BG55140)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

July 08, 2014

SDG I.D.: GBG55085

QC (Site Specific)

---------- Sample No: BG55091, QA/QC Batch: 276640 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG55112, QA/QC Batch: 276648 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG55134, QA/QC Batch: 276649 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BG55802, QA/QC Batch: 276898 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

July 08, 2014

SDG I.D.: GBG55085

---------- Sample No: BG58863, QA/QC Batch: 277147 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG63448, QA/QC Batch: 277717 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 1C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

1 oc
WIC
1P

CHAIN-OF-CUSTODY RECORD 31706

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☒ Standard (5 days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184.R73
LABORATORY: Phoenix

REPORT TO: Kevin Vanderveer (F+O)
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: Laura Kelter Date: 6/10/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request: PCBs (Soxhlet)

Containers: Soil VOA Vial, ☐ methanol; Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$; Glass Soil Container (4) oz; Other:; Other:; Water VOA Vial, ☐ As is ☐ HCl; Glass Amber ( ) ml ☐ As is ☐ H_2SO_4; Plastic - As is, ☐ 250 ml ☐ 500 ml ☐ 1000 ml; Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml; Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ; Plastic - NaOH 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ml ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH 250 ml	Comments
01					1218140610-001	S	6/10/14	0850	✓			1			55085						
02					-002			0852	✓			1			55086						
03					-003			0854	✓			1			55087						
04					-004			0902	✓			1			55088						
05					-005			0955	✓			1			55089						
06					-006			0958	✓			1			55090						
07					-007			1000	✓			3			55091						MS/MSD
08					-008			1007	✓			1			55092						
09					-009			1008	✓			1			55093						no charge
10					-010			1010				1			55094						*HOLD

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Laura Kelter	[illegible]	6/10/14	15:20
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☒ QA/QC ☐ Other _____
1 Duplicates ____ Blanks (Item Nos: -09)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
Res DEC + GA PMC

Additional Comments:

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

1 OC
WIC
IP

CHAIN-OF-CUSTODY RECORD 31705

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☒ Standard (5 days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Wood Group	Windsor Locks, CT	20051184.R73	Phoenix

REPORT TO: Kevin Vanderveer (FTO)
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: Loren Keefer Date: 6/10/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request: PCBs (Soxhlet)

Containers: Soil VOA Vial, ☐ methanol; Soil VOA Vial, ☐ water; Glass Soil Container (4) oz; Other: ☐ $Na(SO_4)_2$; Other: ☐ H_2SO_4; Water VOA Vial, ☐ As is ☐ HCl; Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4; Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml; Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml; Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45µ ☐ 10µ; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45µ ☐ 10µ	Plastic - NaOH, 250 ml	Comments
11					1218140610 -011	S	6/10/14	1018	✓			1			55095					
12					-012			1020	✓			1			55096					
13					-013			1022	✓			1			55097					
14					-014			1024	✓			1			55098					
15					-015			1026				1			55099					*HOLD
16					-016			1048	✓			1			55100					
17					-017			1050				1			55101					*HOLD
18					-018			1052				1			55102					*HOLD
19					-019			1054				1			55103					*HOLD
20					-020			1115	✓			1			55104					

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Loren Keefer	[signature]	6/10/14	15:20
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
Res DEC + GA PMC

Additional Comments:

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

10C
WIC
1P

CHAIN-OF-CUSTODY RECORD 31704

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☒ Standard (5 days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184.R73
LABORATORY: Phoenix

REPORT TO: Kevin Vanderveer (F+O)
INVOICE TO:
P.O. NO.:
Sampler's Signature: Karen Keefe Date: 6/10/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request: PCBs (Soxhlet)

Containers: Soil VOA Vial, ☐ methanol; Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$; Glass Soil Container (4) oz; Other:; Other:; Water VOA Vial, ☐ As is ☐ HCl; Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4; Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml; Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml; Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
21					1218140610 - 021	S	6/10/14	1117				1			55105						*HOLD
22					- 022			1119				1			55106						*HOLD
23					- 023			1120				1			55107						*HOLD
24					- 024			1134	✓			1			55108						
25					- 025			1136				1			55109						*HOLD
26					- 026			1138				1			55110						*HOLD
27					- 027			1140				1			55111						*HOLD
28					- 028			1236	✓			3			55112						MS/MSD
29					- 029			1238				1			55113						*HOLD
30					- 030			1240				1			55114						*HOLD

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Karen Keefe	[illegible]	6/10/14	15:20
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☑ RCP Deliverables ☐ MCP CAM Cert.
ResDEC + GA PMC

Additional Comments:

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

10C
WG
1P

CHAIN-OF-CUSTODY RECORD 31703

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☒ Standard (5 days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184.R73
LABORATORY: Phoenix

REPORT TO: Kevin Vandaveer (F+O)
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: Karen Kostka Date: 6/10/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ml ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
31					1218140610-031	S	6/10/14	1242	✓								1		55115		* HOLD
32					-032			1258	✓								1		55116		
33					-033			1259	✓								1		55117		no charge
34					-034			1302									1		55118		* HOLD
35					-035			1304									1		55119		* HOLD
36					-036			1306									1		55120		* HOLD
37					-037			1335	✓								1		55121		
38					-038			1337									1		55122		* HOLD
39					-039			1339									1		55123		* HOLD
40					-040			1341									1		55124		* HOLD

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Karen Kostka	TH	6/10/14	15:20
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
1 Duplicates ____ Blanks (Item Nos: -033)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
ResDEC + GA PMC

Additional Comments:

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

10C
WC
1P

CHAIN-OF-CUSTODY RECORD 31702

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☒ Standard (5 days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Wood Group	Windsor Locks, CT	20051184.1273	Phoenix

REPORT TO: Kevin Vanderveer (F+O)
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: [signature] Date: 6/10/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request: PCBs (Soxhlet)

Containers: Soil VOA Vial, ☐ methanol; Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$; Glass Soil Container (4) oz; Other:; Other:; Water VOA Vial, ☐ As is ☐ HCl; Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4; Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml; Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml; Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
41					1218140610-041	S	6/10/14	1348	✓			1			55125					
42					-042			1350				1			55126					*HOLD
43					-043			1352				1			55127					*HOLD
44					-044			1354				1			55128					*HOLD
45					-045			1400	✓			1			55129					
46					-046			1402	✓			1			55130					no charge
47					-047			1404				1			55131					*HOLD
48					-048			1406				1			55132					*HOLD
49					-049			1408				1			55133					*HOLD
50					-050			1420	✓			3			55134					MS/MSD

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	6/10/14	15:20
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
1 Duplicates ____ Blanks (Item Nos: -046)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
ResDEC + GAPMC

Additional Comments:

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

10C
WC
IP

CHAIN-OF-CUSTODY RECORD 31701

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☒ Standard (____ days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Wood Group	Windsor Locks, CT	20051184.R73	Phoenix

REPORT TO: Kevin Vanderveer (F+O)
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: Lauren Kaplan Date: 6/10/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request: PCBs (Soxhlet)

Containers: Soil VOA Vial, ☐ methanol; Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$; Glass Soil Container (↑) oz; Other:; Other:; Water VOA Vial, ☐ As is ☐ HCl; Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4; Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml; Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml; Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (↑) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
51					1218140610-051	S	6/10/14	1422				1			55135						*HOLD
52					-052	↓	↓	1424				1			55136						*HOLD
53					-053	↓	↓	1426				1			55137						*HOLD
54					-054	↓	↓	1430	✓			1			55138						
55					-055	↓	↓	1432				1			55139						*HOLD
56					-056	↓	↓	1434				1			55140						*HOLD
57					-057	↓	↓	1436				1			55141						*HOLD

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Lauren Kaplan	TMWW	6/10/14	15:20
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
ResDEC + GA PMC

Additional Comments:

PHOENIX
Environmental Laboratories, Inc.

Thursday, June 19, 2014

Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BG55787 - BG55788, BG55791 - BG55807

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

REVIEWED DMS
By pbibeau at 7:48 am, Jun 26, 2014

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/11/14	9:16
Location Code:	F&O-PCB	Received by:	SW	06/11/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG55787
Phoenix ID: BG55787

Project ID: WOOD GROUP
Client ID: 1218140611-058

P1-215 (0.5' - 1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	06/11/14	I	E160.3
Extraction for PCB	Completed			06/11/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	1.7	mg/kg	06/13/14	AW	3540C/8082
PCB-1221	ND	1.7	mg/kg	06/13/14	AW	3540C/8082
PCB-1232	ND	1.7	mg/kg	06/13/14	AW	3540C/8082
PCB-1242	ND	1.7	mg/kg	06/13/14	AW	3540C/8082
PCB-1248	5.8	1.7	mg/kg	06/13/14	AW	3540C/8082
PCB-1254	ND	1.7	mg/kg	06/13/14	AW	3540C/8082
PCB-1260	ND	1.7	mg/kg	06/13/14	AW	3540C/8082
PCB-1262	ND	1.7	mg/kg	06/13/14	AW	3540C/8082
PCB-1268	ND	1.7	mg/kg	06/13/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	06/13/14	AW	30 - 150 %
% TCMX	Diluted Out		%	06/13/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140611-058

P1-215 (0.5' - 1')

Phoenix I.D.: BG55787

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/11/14	9:18
Location Code:	F&O-PCB	Received by:	SW	06/11/14	15:38
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG55787
Phoenix ID: BG55788

Project ID: WOOD GROUP
Client ID: 1218140611-059

P1-215 (1' - 2')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	06/16/14	I	E160.3
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	0.34	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	119		%	06/17/14	AW	30 - 150 %
% TCMX	118		%	06/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140611-059

P1-215 (1' - 2')

Phoenix I.D.: BG55788

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/11/14	9:30
Location Code:	F&O-PCB	Received by:	SW	06/11/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG55787
Phoenix ID: BG55791

Project ID: WOOD GROUP
Client ID: 1218140611-062

P1-204 (0.5' - 1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	06/11/14	I	E160.3
Extraction for PCB	Completed			06/11/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	115		%	06/12/14	AW	30 - 150 %
% TCMX	110		%	06/12/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140611-062

P1-204 (0.5' - 1')

Phoenix I.D.: BG55791

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/11/14	9:32
Location Code:	F&O-PCB	Received by:	SW	06/11/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG55787
Phoenix ID: BG55792

Project ID: WOOD GROUP
Client ID: 1218140611-063

P1-204 (1' - 2')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	06/11/14	I	E160.3
Extraction for PCB	Completed			06/11/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	121		%	06/12/14	AW	30 - 150 %
% TCMX	110		%	06/12/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140611-063

P1-204 (1' - 2')

Phoenix I.D.: BG55792

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/11/14	9:40
Location Code:	F&O-PCB	Received by:	SW	06/11/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG55787
Phoenix ID: BG55793

Project ID: WOOD GROUP
Client ID: 1218140611-064

P1-204 (2' - 4')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	06/11/14	I	E160.3
Extraction for PCB	Completed			06/11/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	120		%	06/12/14	AW	30 - 150 %
% TCMX	106		%	06/12/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140611-064

P1-204 (2' - 4')

Phoenix I.D.: BG55793

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/11/14	9:50
Location Code:	F&O-PCB	Received by:	SW	06/11/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG55787
Phoenix ID: BG55794

Project ID: WOOD GROUP
Client ID: 1218140611-065

P1-204 (6' - 8')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	06/11/14	I	E160.3
Extraction for PCB	Completed			06/11/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	06/12/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	121		%	06/12/14	AW	30 - 150 %
% TCMX	106		%	06/12/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140611-065

P1-204 (6' - 8')

Phoenix I.D.: BG55794

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	LK	06/11/14	13:00
Location Code:	F&O-PCB	Received by:	SW	06/11/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG55787
Phoenix ID: BG55795

Project ID: WOOD GROUP
Client ID: 1218140611-076

Equipment Blank - Hand Geoprobe

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB Extraction	Completed			06/11/14	L	SW3510C
Polychlorinated Biphenyls						
PCB-1016	ND	0.50	ug/L	06/12/14	AW	8082
PCB-1221	ND	0.50	ug/L	06/12/14	AW	8082
PCB-1232	ND	0.50	ug/L	06/12/14	AW	8082
PCB-1242	ND	0.50	ug/L	06/12/14	AW	8082
PCB-1248	ND	0.50	ug/L	06/12/14	AW	8082
PCB-1254	ND	0.50	ug/L	06/12/14	AW	8082
PCB-1260	ND	0.50	ug/L	06/12/14	AW	8082
PCB-1262	ND	0.50	ug/L	06/12/14	AW	8082
PCB-1268	ND	0.50	ug/L	06/12/14	AW	8082
QA/QC Surrogates						
% DCBP	92		%	06/12/14	AW	30 - 150 %
% TCMX	84		%	06/12/14	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	LK	06/11/14	13:10
Location Code:	F&O-PCB	Received by:	SW	06/11/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG55787
Phoenix ID: BG55796

Project ID: WOOD GROUP
Client ID: 1218140611-077

Equipment Blank - Geoprobe

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB Extraction	Completed			06/11/14	L	SW3510C
Polychlorinated Biphenyls						
PCB-1016	ND	0.50	ug/L	06/12/14	AW	8082
PCB-1221	ND	0.50	ug/L	06/12/14	AW	8082
PCB-1232	ND	0.50	ug/L	06/12/14	AW	8082
PCB-1242	ND	0.50	ug/L	06/12/14	AW	8082
PCB-1248	ND	0.50	ug/L	06/12/14	AW	8082
PCB-1254	ND	0.50	ug/L	06/12/14	AW	8082
PCB-1260	ND	0.50	ug/L	06/12/14	AW	8082
PCB-1262	ND	0.50	ug/L	06/12/14	AW	8082
PCB-1268	ND	0.50	ug/L	06/12/14	AW	8082
QA/QC Surrogates						
% DCBP	104		%	06/12/14	AW	30 - 150 %
% TCMX	98		%	06/12/14	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/11/14	14:10
Location Code:	F&O-PCB	Received by:	SW	06/11/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG55787
Phoenix ID: BG55797

Project ID: WOOD GROUP
Client ID: 1218140611-078

P3-C401 (0' - 0.02')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	06/11/14	I	E160.3
Extraction for PCB	Completed			06/11/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.39	mg/kg	06/12/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	06/12/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	06/12/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	06/12/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	06/12/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	06/12/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	06/12/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	06/12/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	06/12/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	122		%	06/12/14	AW	30 - 150 %
% TCMX	106		%	06/12/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140611-078

P3-C401 (0' - 0.02')

Phoenix I.D.: BG55797

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/11/14	10:30
Location Code:	F&O-PCB	Received by:	SW	06/11/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG55787
Phoenix ID: BG55798

Project ID: WOOD GROUP
Client ID: 1218140611-066

P1-216 (6' - 7')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/12/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	118		%	06/13/14	AW	30 - 150 %
% TCMX	121		%	06/13/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140611-066

P1-216 (6' - 7')

Phoenix I.D.: BG55798

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/11/14	10:34
Location Code:	F&O-PCB	Received by:	SW	06/11/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG55787
Phoenix ID: BG55799

Project ID: WOOD GROUP
Client ID: 1218140611-067

P1-216 (7' - 9')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/12/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	98		%	06/13/14	AW	30 - 150 %
% TCMX	97		%	06/13/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140611-067

P1-216 (7' - 9')

Phoenix I.D.: BG55799

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/11/14	10:36
Location Code:	F&O-PCB	Received by:	SW	06/11/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG55787
Phoenix ID: BG55800

Project ID: WOOD GROUP
Client ID: 1218140611-068

P1-216 (9' - 10')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/12/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	106		%	06/13/14	AW	30 - 150 %
% TCMX	100		%	06/13/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140611-068

P1-216 (9' - 10')

Phoenix I.D.: BG55800

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/11/14	11:02
Location Code:	F&O-PCB	Received by:	SW	06/11/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG55787
Phoenix ID: BG55801

Project ID: WOOD GROUP
Client ID: 1218140611-069

P1-217 (6' - 7')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/12/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	106		%	06/13/14	AW	30 - 150 %
% TCMX	104		%	06/13/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140611-069

P1-217 (6' - 7')

Phoenix I.D.: BG55801

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/11/14	11:04
Location Code:	F&O-PCB	Received by:	SW	06/11/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG55787
Phoenix ID: BG55802

Project ID: WOOD GROUP
Client ID: 1218140611-070

P1-217 (7' - 9')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/12/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	103		%	06/13/14	AW	30 - 150 %
% TCMX	102		%	06/13/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140611-070

P1-217 (7' - 9')

Phoenix I.D.: BG55802

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/11/14	11:06
Location Code:	F&O-PCB	Received by:	SW	06/11/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG55787
Phoenix ID: BG55803

Project ID: WOOD GROUP
Client ID: 1218140611-071

P1-217 (9' - 10')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/12/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	06/13/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	107		%	06/13/14	AW	30 - 150 %
% TCMX	106		%	06/13/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140611-071

P1-217 (9' - 10')

Phoenix I.D.: BG55803

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/11/14	11:30
Location Code:	F&O-PCB	Received by:	SW	06/11/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG55787
Phoenix ID: BG55804

Project ID: WOOD GROUP
Client ID: 1218140611-072

P1-218 (6' - 7')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/12/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	104		%	06/13/14	AW	30 - 150 %
% TCMX	104		%	06/13/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140611-072

P1-218 (6' - 7')

Phoenix I.D.: BG55804

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/11/14	11:32
Location Code:	F&O-PCB	Received by:	SW	06/11/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG55787
Phoenix ID: BG55805

Project ID: WOOD GROUP
Client ID: 1218140611-073

P1-218 (7' - 9')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/12/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.36	mg/kg	06/13/14	AW	3540C/8082
PCB-1221	ND	0.36	mg/kg	06/13/14	AW	3540C/8082
PCB-1232	ND	0.36	mg/kg	06/13/14	AW	3540C/8082
PCB-1242	ND	0.36	mg/kg	06/13/14	AW	3540C/8082
PCB-1248	ND	0.36	mg/kg	06/13/14	AW	3540C/8082
PCB-1254	ND	0.36	mg/kg	06/13/14	AW	3540C/8082
PCB-1260	ND	0.36	mg/kg	06/13/14	AW	3540C/8082
PCB-1262	ND	0.36	mg/kg	06/13/14	AW	3540C/8082
PCB-1268	ND	0.36	mg/kg	06/13/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	105		%	06/13/14	AW	30 - 150 %
% TCMX	104		%	06/13/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140611-073

P1-218 (7' - 9')

Phoenix I.D.: BG55805

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/11/14	11:33
Location Code:	F&O-PCB	Received by:	SW	06/11/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG55787
Phoenix ID: BG55806

Project ID: WOOD GROUP
Client ID: 1218140611-074

P1-218 (7' - 9') Duplicate

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/12/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	104		%	06/13/14	AW	30 - 150 %
% TCMX	98		%	06/13/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140611-074

P1-218 (7' - 9') Duplicate

Phoenix I.D.: BG55806

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 19, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	06/11/14	11:35
Location Code:	F&O-PCB	Received by:	SW	06/11/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG55787
Phoenix ID: BG55807

Project ID: WOOD GROUP
Client ID: 1218140611-075

P1-218 (9' - 10')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/12/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	06/13/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	106		%	06/13/14	AW	30 - 150 %
% TCMX	105		%	06/13/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140611-075

P1-218 (9' - 10')

Phoenix I.D.: BG55807

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

June 19, 2014

QA/QC Data

SDG I.D.: GBG55787

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 276649, QC Sample No: BG55134 (BG55787, BG55791, BG55792, BG55793, BG55794, BG55797)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	108	103	4.7	120	120	0.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	112	114	1.8	123	119	3.3	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	127	129	129	0.0	133	133	0.0	30 - 150	30
% TCMX (Surrogate Rec)	97	108	102	5.7	109	109	0.0	30 - 150	30
QA/QC Batch 276635, QC Sample No: BG55254 (BG55795, BG55796)									
Polychlorinated Biphenyls - Water									
PCB-1016	ND	91	93	2.2				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	110	110	0.0				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	129	121	129	6.4				30 - 150	20
% TCMX (Surrogate Rec)	101	95	92	3.2				30 - 150	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 276898, QC Sample No: BG55802 (BG55798, BG55799, BG55800, BG55801, BG55802, BG55803, BG55804, BG55805, BG55806, BG55807)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	97	89	8.6	98	98	0.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	97	94	3.1	97	96	1.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	117	116	118	1.7	119	118	0.8	30 - 150	30
% TCMX (Surrogate Rec)	108	108	99	8.7	107	109	1.9	30 - 150	30

QA/QC Data

SDG I.D.: GBG55787

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 277147, QC Sample No: BG58863 (BG55788)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	107	112	4.6	103	103	0.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	115	115	0.0	115	116	0.9	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	127	131	131	0.0	124	126	1.6	30 - 150	30
% TCMX (Surrogate Rec)	107	106	104	1.9	99	99	0.0	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
June 19, 2014

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): BG55787, BG55788, BG55789, BG55790, BG55791, BG55792, BG55793, BG55794, BG55795, BG55796, BG55797, BG55798, BG55799, BG55800, BG55801, BG55802, BG55803, BG55804, BG55805, BG55806, BG55807

Sampling Date(s): 6/11/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Date: Thursday, June 19, 2014

Authorized Signature: Ethan Lee

Printed Name: Ethan Lee

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

June 19, 2014

SDG I.D.: GBG55787

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 06/12/14-1 (BG55795, BG55796)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/12/2014

Instrument: Au-ecd48 06/12/14-1 (BG55787, BG55791, BG55792, BG55793, BG55794, BG55797)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/12/2014

Instrument: Au-ecd48 06/13/14-1 (BG55802)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/13/2014

Instrument: Au-ecd6 06/13/14-1 (BG55787, BG55798, BG55799, BG55800, BG55801, BG55802, BG55803, BG55804, BG55805, BG55806, BG55807)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

June 19, 2014

SDG I.D.: GBG55787

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/13/2014

Instrument: Au-ecd8 06/17/14-1 (BG55788)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/17/2014

QC Comments: QC Batch 276635 06/10/14 (BG55795, BG55796)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

June 19, 2014

SDG I.D.: GBG55787

QC (Site Specific)

---------- Sample No: BG55802, QA/QC Batch: 276898 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BG55134, QA/QC Batch: 276649 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG55254, QA/QC Batch: 276635 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

---------- Sample No: BG58863, QA/QC Batch: 277147 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 1C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

June 19, 2014

SDG I.D.: GBG55787

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

1° w/c + TP

CHAIN-OF-CUSTODY RECORD 31707

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☒ Standard (5 days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184.273
LABORATORY: Phoenix

REPORT TO: Kevin Vandenveer (F+O)
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: Jason Pierce Date: 6/11/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other Equipment Blank

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)	PCBs	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber (1000 ml, 4 As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ml ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45µ ☐ 10µ	Plastic - NaOH, 250 ml	Comments
01					1218140611-058	S	6/11/14	0916	✓				55787				1					
02					-059	↓	↓	0918					55788				1					*HOLD
03					-060	↓	↓	0920					55789				1					*HOLD
04					-061	↓	↓	0922					55790				1					*HOLD
05					-062	↓	↓	0930	✓				55791				1					
06					-063	↓	↓	0932	✓				55792				1					
07					-064	↓	↓	0940	✓				55793				1					
08					-065	↓	↓	0950	✓				55794				1					
09					-076	X	↓	1300		✓			55795					1				
10					-077	X	↓	1310		✓			55796					1				
11					-078	C	↓	1410	✓				55797				1					

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Jason Pierce	Paradise	6/11/14	1538
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☒ QA/QC ☐ Other _____
____ Duplicates 2 Blanks (Item Nos: -076, -077)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
GA PMC + Res DEC

Additional Comments:

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

1° w/c + IP

CHAIN-OF-CUSTODY RECORD 30949

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☒ Standard (____ days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Wood Group	Windsor Locks, CT	20051184.R73	Phoenix

REPORT TO: Kevin Vanderveer (F+O)
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: Lauren Keeshan Date: 6/11/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request

Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (↑) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
12					1218140611-066	S	6/11/14	1030				55798					1									+ HOLD
13					-067			1034				55799					1									
14					-068			1036				55800					1									
15					-069			1102				55801					1									
16					-070			1104				55802					3									MS/MSD
17					-071			1106				55803					1									
18					-072			1130				55804					1									
19					-073			1132				55805					1									
20					-074			1133				55806					1									no charge
21					-075			1135				55807					1									

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Lauren Keeshan	OParadise	6/11/14	1538
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☒ QA/QC ☐ Other _____
1 Duplicates ____ Blanks (Item Nos: -074)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
ResDEC + GA PMC

Additional Comments: + HOLD all samples for possible PCBs (Soxhlet) analysis

PHOENIX
Environmental Laboratories, Inc.

Monday, June 30, 2014

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BG58868

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

REVIEWED **DMS**
By pbibeau at 11:19 am, Jul 09, 2014

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.

Friday, June 20, 2014

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BG58835 - BG58844, BG58847, BG58850, BG58853, BG58856, BG58859 - BG58861, BG58863 - BG58864, BG58866 - BG58867, BG58869

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

REVIEWED **DMS**
By pbibeau at 9:27 am, Jun 26, 2014

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	10:20
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58835

Project ID: WOOD GROUP
Client ID: 1218140612-079

P3-111C (0' - 0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	65		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.05	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.05	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.05	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.05	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.05	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	0.075	0.05	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.05	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.05	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.05	mg/kg	06/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	82		%	06/16/14	AW	30 - 150 %
% TCMX	85		%	06/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140612-079

P3-111C (0' - 0.5')

Phoenix I.D.: BG58835

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	10:22
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58836

Project ID: WOOD GROUP
Client ID: 1218140612-080

P3-111C (0.5' - 1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	80		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.041	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.041	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.041	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.041	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.041	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	0.042	0.041	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.041	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.041	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.041	mg/kg	06/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	83		%	06/16/14	AW	30 - 150 %
% TCMX	80		%	06/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140612-080

P3-111C (0.5' - 1')

Phoenix I.D.: BG58836

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	10:30
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58837

Project ID: WOOD GROUP
Client ID: 1218140612-081

P3-111A (0' - 0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	78		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.21	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.21	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.21	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.21	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.21	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	0.27	0.21	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.21	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.21	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.21	mg/kg	06/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	108		%	06/16/14	AW	30 - 150 %
% TCMX	106		%	06/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140612-081

P3-111A (0' - 0.5')

Phoenix I.D.: BG58837

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	10:34
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58838

Project ID: WOOD GROUP
Client ID: 1218140612-082

P3-111A (0.5' - 1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	80		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.042	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.042	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.042	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.042	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.042	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.042	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.042	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.042	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.042	mg/kg	06/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	76		%	06/16/14	AW	30 - 150 %
% TCMX	80		%	06/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140612-082

P3-111A (0.5' - 1')

Phoenix I.D.: BG58838

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	10:42
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58839

Project ID: WOOD GROUP
Client ID: 1218140612-083

P3-111B (0' - 0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	61		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.053	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.053	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.053	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.053	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.053	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	0.061	0.053	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.053	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.053	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.053	mg/kg	06/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	76		%	06/16/14	AW	30 - 150 %
% TCMX	82		%	06/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140612-083

P3-111B (0' - 0.5')

Phoenix I.D.: BG58839

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	10:44
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58840

Project ID: WOOD GROUP
Client ID: 1218140612-084

P3-111B (0.5' - 1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	80		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.04	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.04	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.04	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.04	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.04	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.04	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.04	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.04	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.04	mg/kg	06/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	84		%	06/16/14	AW	30 - 150 %
% TCMX	80		%	06/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140612-084

P3-111B (0.5' - 1')

Phoenix I.D.: BG58840

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	10:55
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58841

Project ID: WOOD GROUP
Client ID: 1218140612-085

P3-109A (0' - 0.5') Duplicate

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	64		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.52	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.52	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.52	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.52	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.52	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	4.4	0.52	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.52	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.52	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.52	mg/kg	06/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	103		%	06/16/14	AW	30 - 150 %
% TCMX	113		%	06/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140612-085

P3-109A (0' - 0.5') Duplicate

Phoenix I.D.: BG58841

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	10:56
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58842

Project ID: WOOD GROUP
Client ID: 1218140612-086

P3-109A (0' - 0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	45		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	3.6	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	3.6	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	3.6	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	3.6	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	3.6	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	12	3.6	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	3.6	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	3.6	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	3.6	mg/kg	06/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	06/16/14	AW	30 - 150 %
% TCMX	Diluted Out		%	06/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140612-086

P3-109A (0' - 0.5')

Phoenix I.D.: BG58842

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	11:00
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58843

Project ID: WOOD GROUP
Client ID: 1218140612-087

P3-109A (0.5' - 1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	71		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.46	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.46	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.46	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.46	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.46	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	1	0.46	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.46	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.46	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.46	mg/kg	06/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	88		%	06/16/14	AW	30 - 150 %
% TCMX	88		%	06/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140612-087

P3-109A (0.5' - 1')

Phoenix I.D.: BG58843

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	11:14
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58844

Project ID: WOOD GROUP
Client ID: 1218140612-088

P3-203 (0' - 0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	06/12/14	I	E160.3
MS/MSD Ext. For PCB	Completed			06/17/14		
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.07	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.07	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.07	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.07	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.07	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	0.082	0.07	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.07	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.07	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.07	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	85		%	06/17/14	AW	30 - 150 %
% TCMX	85		%	06/17/14	AW	30 - 150 %
QC for PCB	Completed			06/17/14		

Project ID: WOOD GROUP
Client ID: 1218140612-088

P3-203 (0' - 0.5')

Phoenix I.D.: BG58844

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	11:40
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58847

Project ID: WOOD GROUP
Client ID: 1218140612-091

P3-204 (0' - 0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	91		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.036	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.036	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.036	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.036	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.036	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	0.042	0.036	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.036	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.036	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.036	mg/kg	06/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	82		%	06/16/14	AW	30 - 150 %
% TCMX	78		%	06/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140612-091

P3-204 (0' - 0.5')

Phoenix I.D.: BG58847

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	13:15
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58850

Project ID: WOOD GROUP
Client ID: 1218140612-094

P3-201 (0' - 0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.07	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.07	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.07	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.07	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.07	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	0.17	0.07	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.07	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.07	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.07	mg/kg	06/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	81		%	06/16/14	AW	30 - 150 %
% TCMX	83		%	06/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140612-094

P3-201 (0' - 0.5')

Phoenix I.D.: BG58850

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	13:45
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58853

Project ID: WOOD GROUP
Client ID: 1218140612-097

P3-202 (0' - 0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.079	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.079	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.079	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.079	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.079	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	0.22	0.079	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.079	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.079	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.079	mg/kg	06/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	85		%	06/16/14	AW	30 - 150 %
% TCMX	83		%	06/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140612-097

P3-202 (0' - 0.5')

Phoenix I.D.: BG58853

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	14:30
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58856

Project ID: WOOD GROUP
Client ID: 1218140612-100

P3-105A (0' - 0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.19	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.19	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.19	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.19	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.19	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	0.26	0.19	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.19	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.19	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.19	mg/kg	06/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	102		%	06/16/14	AW	30 - 150 %
% TCMX	114		%	06/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140612-100

P3-105A (0' - 0.5')

Phoenix I.D.: BG58856

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	14:58
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58859

Project ID: WOOD GROUP
Client ID: 1218140612-103

P3-105D (0' - 0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	4.7	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	95		%	06/16/14	AW	30 - 150 %
% TCMX	105		%	06/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140612-103

P3-105D (0' - 0.5')

Phoenix I.D.: BG58859

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	14:59
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58860

Project ID: WOOD GROUP
Client ID: 1218140612-104

P3-105D (0' - 0.5') Duplicate

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.38	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	2.7	0.38	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	06/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	96		%	06/16/14	AW	30 - 150 %
% TCMX	112		%	06/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140612-104

P3-105D (0' - 0.5') Duplicate

Phoenix I.D.: BG58860

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	15:05
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58861

Project ID: WOOD GROUP
Client ID: 1218140612-105

P3-105D (1' - 2')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	06/18/14	I	E160.3
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.035	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.035	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.035	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.035	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.035	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.035	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.035	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.035	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.035	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	90		%	06/19/14	AW	30 - 150 %
% TCMX	88		%	06/19/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140612-105

P3-105D (1' - 2')

Phoenix I.D.: BG58861

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	15:30
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58863

Project ID: WOOD GROUP
Client ID: 1218140612-107

P3-105C (0' - 0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	06/12/14	I	E160.3
MS/MSD Ext. For PCB	Completed			06/17/14		
Extraction for PCB	Completed			06/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.37	mg/kg	06/17/14	AW	3540C/8082
PCB-1221	ND	0.37	mg/kg	06/17/14	AW	3540C/8082
PCB-1232	ND	0.37	mg/kg	06/17/14	AW	3540C/8082
PCB-1242	ND	0.37	mg/kg	06/17/14	AW	3540C/8082
PCB-1248	ND	0.37	mg/kg	06/17/14	AW	3540C/8082
PCB-1254	0.5	0.37	mg/kg	06/17/14	AW	3540C/8082
PCB-1260	ND	0.37	mg/kg	06/17/14	AW	3540C/8082
PCB-1262	ND	0.37	mg/kg	06/17/14	AW	3540C/8082
PCB-1268	ND	0.37	mg/kg	06/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	112		%	06/17/14	AW	30 - 150 %
% TCMX	104		%	06/17/14	AW	30 - 150 %
QC for PCB	Completed			06/17/14	AW	

Project ID: WOOD GROUP
Client ID: 1218140612-107

P3-105C (0' - 0.5')

Phoenix I.D.: BG58863

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	15:40
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58864

Project ID: WOOD GROUP
Client ID: 1218140612-108

P3-105C (1' - 2')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	06/18/14	I	E160.3
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.071	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.071	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.071	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.071	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.071	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	0.11	0.071	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.071	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.071	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.071	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	82		%	06/19/14	AW	30 - 150 %
% TCMX	89		%	06/19/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140612-108

P3-105C (1' - 2')

Phoenix I.D.: BG58864

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	15:50
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58866

Project ID: WOOD GROUP
Client ID: 1218140612-110

P3-105B (0' - 0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	06/12/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.36	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.36	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.36	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.36	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.36	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	2.9	0.36	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.36	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.36	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.36	mg/kg	06/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	100		%	06/16/14	AW	30 - 150 %
% TCMX	102		%	06/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140612-110

P3-105B (0' - 0.5')

Phoenix I.D.: BG58866

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	15:55
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58867

Project ID: WOOD GROUP
Client ID: 1218140612-111

P3-105B (1' - 2')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	06/18/14	I	E160.3
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.37	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.37	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.37	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.37	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.37	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	1.7	0.37	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.37	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.37	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.37	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	100		%	06/19/14	AW	30 - 150 %
% TCMX	101		%	06/19/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140612-111

P3-105B (1' - 2')

Phoenix I.D.: BG58867

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 30, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LK	06/12/14	15:57
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58868

Project ID: WOOD GROUP
Client ID: 1218140612-112 P3-105B (2-3')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	06/24/14	I	E160.3
Extraction for PCB	Completed			06/24/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	06/25/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	06/25/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	06/25/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	06/25/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	06/25/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	06/25/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	06/25/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	06/25/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	06/25/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	109		%	06/25/14	AW	30 - 150 %
% TCMX	102		%	06/25/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140612-112

P3-105B (2-3')

Phoenix I.D.: BG58868

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 30, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 20, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	LK	06/12/14	16:15
Location Code:	F&O-PCB	Received by:	LPB	06/12/14	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG58835
Phoenix ID: BG58869

Project ID: WOOD GROUP
Client ID: 1218140612-113

Equipment Blank

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB Extraction	Completed			06/13/14	L/L	SW3510C
Polychlorinated Biphenyls						
PCB-1016	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1221	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1232	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1242	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1248	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1254	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1260	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1262	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1268	ND	0.50	ug/L	06/14/14	AW	8082
QA/QC Surrogates						
% DCBP	110		%	06/14/14	AW	30 - 150 %
% TCMX	99		%	06/14/14	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

June 30, 2014

QA/QC Data

SDG I.D.: GBG58835

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 277036, QC Sample No: BG58844 (BG58844, BG58859, BG58860, BG58866)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	81	84	3.6	81	84	3.6	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	85	86	1.2	88	92	4.4	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	92	91	91	0.0	90	94	4.3	30 - 150	30
% TCMX (Surrogate Rec)	94	92	91	1.1	89	91	2.2	30 - 150	30
QA/QC Batch 277147, QC Sample No: BG58863 (BG58863)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	107	112	4.6	103	103	0.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	115	115	0.0	115	116	0.9	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	127	131	131	0.0	124	126	1.6	30 - 150	30
% TCMX (Surrogate Rec)	107	106	104	1.9	99	99	0.0	30 - 150	30
QA/QC Batch 277026, QC Sample No: BG59046 (BG58835, BG58836, BG58837, BG58838, BG58839, BG58840, BG58841, BG58842, BG58843, BG58847, BG58850, BG58853, BG58856)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	98	95	3.1				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	96	92	4.3				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	107	107	102	4.8				30 - 150	30
% TCMX (Surrogate Rec)	108	110	106	3.7				30 - 150	30

QA/QC Data

SDG I.D.: GBG58835

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

Comment:

*QC Comment
The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QA/QC Batch 277050, QC Sample No: BG59234 (BG58869)

Polychlorinated Biphenyls - Water

PCB-1016	ND	94	93	1.1	101	103	2.0	40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	107	106	0.9	103	106	2.9	40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	73	111	108	2.7	76	65	15.6	30 - 150	20
% TCMX (Surrogate Rec)	59	103	97	6.0	106	110	3.7	30 - 150	20

QA/QC Batch 277402, QC Sample No: BG61006 (BG58861, BG58864, BG58867)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	83	89	7.0	70	80	13.3	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	86	92	6.7	88	95	7.7	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	104	98	103	5.0	85	92	7.9	30 - 150	30
% TCMX (Surrogate Rec)	90	96	97	1.0	81	94	14.9	30 - 150	30

QA/QC Batch 277717, QC Sample No: BG63448 (BG58868)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	93	97	4.2				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	98	102	4.0				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	114	113	118	4.3				30 - 150	30
% TCMX (Surrogate Rec)	110	101	107	5.8				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Data

SDG I.D.: GBG58835

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
June 30, 2014

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): BG58835, BG58836, BG58837, BG58838, BG58839, BG58840, BG58841, BG58842, BG58843, BG58844, BG58845, BG58846, BG58847, BG58848, BG58849, BG58850, BG58851, BG58852, BG58853, BG58854, BG58855, BG58856, BG58857, BG58858, BG58859, BG58860, BG58861, BG58862, BG58863, BG58864, BG58865, BG58866, BG58867, BG58868, BG58869

Sampling Date(s): 6/12/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Monday, June 30, 2014

Printed Name: Ethan Lee

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

June 30, 2014

SDG I.D.: GBG58835

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd24 06/16/14-1 (BG58844)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/16/2014

Instrument: Au-ecd24 06/25/14-1 (BG58868)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/25/2014

Instrument: Au-ecd3 06/17/14-1 (BG58863)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/17/2014

Instrument: Au-ecd3 06/19/14-1 (BG58864, BG58867)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

June 30, 2014

SDG I.D.: GBG58835

Printed Name Adam Werner
Position: Chemist
Date: 6/19/2014

Instrument: Au-ecd48 06/16/14-1 (BG58835, BG58836, BG58837, BG58838, BG58839, BG58840, BG58841, BG58842, BG58843)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/16/2014

Instrument: Au-ecd48 06/19/14-1 (BG58836)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/19/2014

Instrument: Au-ecd5 06/14/14-1 (BG58869)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/14/2014

Instrument: Au-ecd5 06/16/14-1 (BG58847, BG58850, BG58853, BG58856, BG58859, BG58860, BG58866)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

June 30, 2014

SDG I.D.: GBG58835

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/16/2014

Instrument: Au-ecd5 06/17/14-1 (BG58844)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/17/2014

Instrument: Au-ecd8 06/19/14-1 (BG58835, BG58836, BG58838, BG58839, BG58840, BG58844, BG58847, BG58853, BG58856, BG58861)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/19/2014

QC Comments: QC Batch 277026 06/13/14 (BG58835, BG58836, BG58837, BG58838, BG58839, BG58840, BG58841, BG58842, BG58843, BG58847, BG58850, BG58853, BG58856)

*QC Comment
The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QC Comments: QC Batch 277717 06/20/14 (BG58868)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

June 30, 2014

SDG I.D.: GBG58835

QC (Site Specific)

---------- Sample No: BG58844, QA/QC Batch: 277036 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG58863, QA/QC Batch: 277147 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BG59046, QA/QC Batch: 277026 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG59234, QA/QC Batch: 277050 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

June 30, 2014

SDG I.D.: GBG58835

---------- Sample No: BG61006, QA/QC Batch: 277402 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG63448, QA/QC Batch: 277717 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 2C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

2°W/C+IP

CHAIN-OF-CUSTODY RECORD 31708

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☒ Standard (5 days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Wood Group	Windsor Locks, CT	20051184.R73	Phcentro

REPORT TO: Kevin Vanderveer (F+O)
INVOICE TO:
P.O. NO.:
Sampler's Signature: Jason Kasbo Date: 6/12/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (SOXHLET)	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
01					1218140612-079	S	6/12/14	1020	✓			1			58835						* see below
02					-080			1022	✓			1			58836						
03					-081			1030	✓			1			58837						
04					-082			1034	✓			1			58838						
05					-083			1042	✓			1			58839						
06					-084			1044	✓			1			58840						
07					-085			1055	✓			1			58841						
08					-086			1056	✓			1			58842						no charge
09					-087			1100	✓			1			58843						
10					-088			1114	✓			3			58844						MS/MSD

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Jason Kasbo	CParadise	6/12/14	1713
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☒ QA/QC ☐ Other _____
1 Duplicates ____ Blanks (Item Nos: -086)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
GA PMC + Res DEC

Additional Comments:
* See Bobbi or Greg for Sediment PCB RL

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

2°W/C+IP

CHAIN-OF-CUSTODY RECORD 31709

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☒ Standard (5 days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Wood Group	Windsor Locks, CT	20051184.R73	Phoenix

REPORT TO: Kevin Vanderveer (F+O)
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: Lauren Kastelo Date: 6/12/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
11					1218140612-089	S	6/12/14	1128				1			5	8	8	4	5		*HOLD
12					-090	↓	↓	1130				1				5	8	8	4	6	*HOLD
13					-091	↓	↓	1140	✓			1				5	8	8	4	7	
14					-092	↓	↓	1150				1				5	8	8	4	8	*HOLD
15					-093	↓	↓	1152				1				5	8	8	4	9	*HOLD
16					-094	↓	↓	1315	✓			1				5	8	8	5	0	
17					-095	↓	↓	1330				1				5	8	8	5	1	*HOLD
18					-096	↓	↓	1335				1				5	8	8	5	2	*HOLD
19					-097	↓	↓	1345	✓			1				5	8	8	5	3	
20					-098	↓	↓	1355				1				5	8	8	5	4	*HOLD

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Lauren Kastelo	CParadise	6/12/14	1713
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
GAPMC + ResDEC

Additional Comments:

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

2° w/c + IP

CHAIN-OF-CUSTODY RECORD 31710

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☒ Standard (5 days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Wood Group	Windsor Works, CT	20051184.R73	Phoenix

REPORT TO: Kevin Vandervoer (FTO)
INVOICE TO:
P.O. NO.:
Sampler's Signature: Lauren Tasko Date: 6/12/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request

Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (7) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
21					1218140612-099	S	6/12/14	1356				1				58855					*HOLD
22					-100			1430	✓			1				58856					
23					-101			1435				1				58857					*HOLD
24					-102			1437				1				58858					*HOLD
25					-103			1458	✓			1				58859					
26					-104			1459	✓			1				58860					no charge
27					-105			1505				1				58861					*HOLD
28					-106			1510				1				58862					*HOLD
29					-107			1530	✓			3				58863					MS/MSD
30					-108			1540				1				58864					*HOLD

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Lauren Tasko	CParadise	6/12/14	1713
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
GA PMC + Res DEC

Additional Comments:

FUSS & O'NEILL
(850) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

2°w/c+IP

CHAIN-OF-CUSTODY RECORD 31711

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☒ Standard (5 days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184.R73
LABORATORY: Phenix

REPORT TO: Kevin Vandenveer (F+O)
INVOICE TO:
P.O. NO.:
Sampler's Signature: Karen Keeler Date: 6/12/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other Equipment Blank

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (SOMLOT)	PCBs						Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber (1000) ml ☒ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml	Plastic - H_2SO_4, ☐ 250 ml	Plastic - HNO_3, 250 ml ☐ 500 ml	Plastic - NaOH, 250 ml ☐ Filtered ☐ 0.45µ ☐ 10µ	Comments
31					1218406012-109	S	6/12/14	1542							588665		1										*HOLD
32					-110			1550	✓						588666		1										
33					-111			1555							588667		1										*HOLD
34					-112			1557							588668		1										*HOLD
35					-113	X		1615		✓					588669						1						

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Karen Keeler	Cavadise	6/12/14	1713
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
____ Duplicates 1 Blanks (Item Nos: -113)
Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
GAPMC + ResDEC
Additional Comments:

PHOENIX
Environmental Laboratories, Inc.

Thursday, August 07, 2014

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BG77357 - BG77358, BG77360 - BG77361, BG77364, BG77367 - BG77368, BG77370, BG77373 - BG77382, BG77386 - BG77388, BG77390, BG77394, BG77398 - BG77401

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

REVIEWED **DMS**
By pbibeau at 3:12 pm, Aug 29, 2014

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.

Tuesday, July 29, 2014

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BG77357 - BG77358, BG77360 - BG77361, BG77364, BG77367 - BG77368, BG77370, BG77373 - BG77375, BG77378 - BG77379, BG77382, BG77386 - BG77388, BG77390, BG77394, BG77398 - BG77401

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

REVIEWED DMS
By pbibeau at 12:02 pm, Jul 31, 2014

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	9:25
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77357

Project ID: WOOD GROUP P3-105E (0-0.5')
Client ID: 1192140717-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	71		%	07/17/14	I	E160.3
MS/MSD Ext. For PCB	Completed			07/19/14		
Extraction for PCB	Completed			07/18/14	PP/GD	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	4.7	mg/kg	07/22/14	AW	3540C/8082
PCB-1221	ND	4.7	mg/kg	07/22/14	AW	3540C/8082
PCB-1232	ND	4.7	mg/kg	07/22/14	AW	3540C/8082
PCB-1242	ND	4.7	mg/kg	07/22/14	AW	3540C/8082
PCB-1248	ND	4.7	mg/kg	07/22/14	AW	3540C/8082
PCB-1254	20	4.7	mg/kg	07/22/14	AW	3540C/8082
PCB-1260	ND	4.7	mg/kg	07/22/14	AW	3540C/8082
PCB-1262	ND	4.7	mg/kg	07/22/14	AW	3540C/8082
PCB-1268	ND	4.7	mg/kg	07/22/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	118		%	07/22/14	AW	30 - 150 %
% TCMX	116		%	07/22/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-01

P3-105E (0-0.5')

Phoenix I.D.: BG77357

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	9:30
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77358

Project ID: WOOD GROUP P3-105E (1-2')
Client ID: 1192140717-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	07/23/14	I	E160.3
Extraction for PCB	Completed			07/24/14	NP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.087	mg/kg	07/30/14	AW	3540C/8082
PCB-1221	ND	0.087	mg/kg	07/30/14	AW	3540C/8082
PCB-1232	ND	0.087	mg/kg	07/30/14	AW	3540C/8082
PCB-1242	ND	0.087	mg/kg	07/30/14	AW	3540C/8082
PCB-1248	ND	0.087	mg/kg	07/30/14	AW	3540C/8082
PCB-1254	0.14	0.087	mg/kg	07/30/14	AW	3540C/8082
PCB-1260	ND	0.087	mg/kg	07/30/14	AW	3540C/8082
PCB-1262	ND	0.087	mg/kg	07/30/14	AW	3540C/8082
PCB-1268	ND	0.087	mg/kg	07/30/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	96		%	07/30/14	AW	30 - 150 %
% TCMX	68		%	07/30/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-02

P3-105E (1-2')

Phoenix I.D.: BG77358

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	9:50
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77360

Project ID: WOOD GROUP
Client ID: 1192140717-04

P3-105F (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	91		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/18/14	PP/GD	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.06	mg/kg	07/22/14	AW	3540C/8082
PCB-1221	ND	0.06	mg/kg	07/22/14	AW	3540C/8082
PCB-1232	ND	0.06	mg/kg	07/22/14	AW	3540C/8082
PCB-1242	ND	0.06	mg/kg	07/22/14	AW	3540C/8082
PCB-1248	ND	0.06	mg/kg	07/22/14	AW	3540C/8082
PCB-1254	ND	0.06	mg/kg	07/22/14	AW	3540C/8082
PCB-1260	ND	0.06	mg/kg	07/22/14	AW	3540C/8082
PCB-1262	ND	0.06	mg/kg	07/22/14	AW	3540C/8082
PCB-1268	ND	0.06	mg/kg	07/22/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	87		%	07/22/14	AW	30 - 150 %
% TCMX	84		%	07/22/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-04

P3-105F (0-0.5')

Phoenix I.D.: BG77360

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	9:51
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77361

Project ID: WOOD GROUP
Client ID: 1192140717-05

P3-105F (0-0.5') Field Duplicate

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/18/14	PP/GD	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.036	mg/kg	07/22/14	AW	3540C/8082
PCB-1221	ND	0.036	mg/kg	07/22/14	AW	3540C/8082
PCB-1232	ND	0.036	mg/kg	07/22/14	AW	3540C/8082
PCB-1242	ND	0.036	mg/kg	07/22/14	AW	3540C/8082
PCB-1248	ND	0.036	mg/kg	07/22/14	AW	3540C/8082
PCB-1254	ND	0.036	mg/kg	07/22/14	AW	3540C/8082
PCB-1260	ND	0.036	mg/kg	07/22/14	AW	3540C/8082
PCB-1262	ND	0.036	mg/kg	07/22/14	AW	3540C/8082
PCB-1268	ND	0.036	mg/kg	07/22/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	63		%	07/22/14	AW	30 - 150 %
% TCMX	55		%	07/22/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-05

P3-105F (0-0.5') Field Duplicate

Phoenix I.D.: BG77361

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	10:15
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77364

Project ID: WOOD GROUP
Client ID: 1192140717-08

P3-105G (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/18/14	PP/GD	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.04	mg/kg	07/19/14	AW	3540C/8082
PCB-1221	ND	0.04	mg/kg	07/19/14	AW	3540C/8082
PCB-1232	ND	0.04	mg/kg	07/19/14	AW	3540C/8082
PCB-1242	ND	0.04	mg/kg	07/19/14	AW	3540C/8082
PCB-1248	ND	0.04	mg/kg	07/19/14	AW	3540C/8082
PCB-1254	0.27	0.04	mg/kg	07/19/14	AW	3540C/8082
PCB-1260	ND	0.04	mg/kg	07/19/14	AW	3540C/8082
PCB-1262	ND	0.04	mg/kg	07/19/14	AW	3540C/8082
PCB-1268	ND	0.04	mg/kg	07/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	70		%	07/19/14	AW	30 - 150 %
% TCMX	59		%	07/19/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-08

P3-105G (0-0.5')

Phoenix I.D.: BG77364

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	10:45
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77367

Project ID: WOOD GROUP
Client ID: 1192140717-11 P3-105I (0.3-0.8')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/18/14	PP/GD	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.37	mg/kg	07/21/14	AW	3540C/8082
PCB-1221	ND	0.37	mg/kg	07/21/14	AW	3540C/8082
PCB-1232	ND	0.37	mg/kg	07/21/14	AW	3540C/8082
PCB-1242	ND	0.37	mg/kg	07/21/14	AW	3540C/8082
PCB-1248	ND	0.37	mg/kg	07/21/14	AW	3540C/8082
PCB-1254	2.3	0.37	mg/kg	07/21/14	AW	3540C/8082
PCB-1260	ND	0.37	mg/kg	07/21/14	AW	3540C/8082
PCB-1262	ND	0.37	mg/kg	07/21/14	AW	3540C/8082
PCB-1268	ND	0.37	mg/kg	07/21/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	114		%	07/21/14	AW	30 - 150 %
% TCMX	110		%	07/21/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-11

P3-105I (0.3-0.8')

Phoenix I.D.: BG77367

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	10:50
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77368

Project ID: WOOD GROUP
Client ID: 1192140717-12

P3-105I (1-2')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	07/23/14	I	E160.3
Extraction for PCB	Completed			07/24/14	NP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.17	mg/kg	07/28/14	AW	3540C/8082
PCB-1221	ND	0.17	mg/kg	07/28/14	AW	3540C/8082
PCB-1232	ND	0.17	mg/kg	07/28/14	AW	3540C/8082
PCB-1242	ND	0.17	mg/kg	07/28/14	AW	3540C/8082
PCB-1248	ND	0.17	mg/kg	07/28/14	AW	3540C/8082
PCB-1254	0.63	0.17	mg/kg	07/28/14	AW	3540C/8082
PCB-1260	ND	0.17	mg/kg	07/28/14	AW	3540C/8082
PCB-1262	ND	0.17	mg/kg	07/28/14	AW	3540C/8082
PCB-1268	ND	0.17	mg/kg	07/28/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	88		%	07/28/14	AW	30 - 150 %
% TCMX	81		%	07/28/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-12

P3-105I (1-2')

Phoenix I.D.: BG77368

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	11:10
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77370

Project ID: WOOD GROUP
Client ID: 1192140717-14

P3-105H (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/18/14	PP/GD	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.18	mg/kg	07/21/14	AW	3540C/8082
PCB-1221	ND	0.18	mg/kg	07/21/14	AW	3540C/8082
PCB-1232	ND	0.18	mg/kg	07/21/14	AW	3540C/8082
PCB-1242	ND	0.18	mg/kg	07/21/14	AW	3540C/8082
PCB-1248	ND	0.18	mg/kg	07/21/14	AW	3540C/8082
PCB-1254	0.51	0.18	mg/kg	07/21/14	AW	3540C/8082
PCB-1260	ND	0.18	mg/kg	07/21/14	AW	3540C/8082
PCB-1262	ND	0.18	mg/kg	07/21/14	AW	3540C/8082
PCB-1268	ND	0.18	mg/kg	07/21/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	101		%	07/21/14	AW	30 - 150 %
% TCMX	92		%	07/21/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-14

P3-105H (0-0.5')

Phoenix I.D.: BG77370

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	11:50
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77373

Project ID: WOOD GROUP
Client ID: 1192140717-17

P3-205 (1.5-2')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/18/14	PP/GD	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.035	mg/kg	07/19/14	AW	3540C/8082
PCB-1221	ND	0.035	mg/kg	07/19/14	AW	3540C/8082
PCB-1232	ND	0.035	mg/kg	07/19/14	AW	3540C/8082
PCB-1242	ND	0.035	mg/kg	07/19/14	AW	3540C/8082
PCB-1248	ND	0.035	mg/kg	07/19/14	AW	3540C/8082
PCB-1254	0.045	0.035	mg/kg	07/19/14	AW	3540C/8082
PCB-1260	ND	0.035	mg/kg	07/19/14	AW	3540C/8082
PCB-1262	ND	0.035	mg/kg	07/19/14	AW	3540C/8082
PCB-1268	ND	0.035	mg/kg	07/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	67		%	07/19/14	AW	30 - 150 %
% TCMX	60		%	07/19/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-17

P3-205 (1.5-2')

Phoenix I.D.: BG77373

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	12:20
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77374

Project ID: WOOD GROUP
Client ID: 1192140717-18

P1-219 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/18/14	PP/GD	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	07/22/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	07/22/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	07/22/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	07/22/14	AW	3540C/8082
PCB-1248	3.1	0.35	mg/kg	07/22/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	07/22/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	07/22/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	07/22/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	07/22/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	148		%	07/22/14	AW	30 - 150 %
% TCMX	101		%	07/22/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-18

P1-219 (0.5-1')

Phoenix I.D.: BG77374

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	12:25
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77375

Project ID: WOOD GROUP
Client ID: 1192140717-19

P1-219 (1-2')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	07/23/14	I	E160.3
Extraction for PCB	Completed			07/24/14	NP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	07/26/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	07/26/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	07/26/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	07/26/14	AW	3540C/8082
PCB-1248	3.9	0.34	mg/kg	07/26/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	07/26/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	07/26/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	07/26/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	07/26/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	90		%	07/26/14	AW	30 - 150 %
% TCMX	79		%	07/26/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-19

P1-219 (1-2')

Phoenix I.D.: BG77375

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	12:35
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77376

Project ID: WOOD GROUP
Client ID: 1192140717-20 P1-219 (2-3')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	08/05/14	I	E160.3
Extraction for PCB	Completed			08/04/14	PP/W	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	08/05/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	08/05/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	08/05/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	08/05/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	08/05/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	08/05/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	08/05/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	08/05/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	08/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	118		%	08/05/14	AW	30 - 150 %
% TCMX	103		%	08/05/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-20

P1-219 (2-3')

Phoenix I.D.: BG77376

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	12:40
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77377

Project ID: WOOD GROUP
Client ID: 1192140717-21 P1-219 (3-4')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	08/05/14	I	E160.3
Extraction for PCB	Completed			08/04/14	PP/W	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	08/05/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	08/05/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	08/05/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	08/05/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	08/05/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	08/05/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	08/05/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	08/05/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	08/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	108		%	08/05/14	AW	30 - 150 %
% TCMX	96		%	08/05/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-21

P1-219 (3-4')

Phoenix I.D.: BG77377

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	13:40
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77378

Project ID: WOOD GROUP
Client ID: 1192140717-22

P1-220 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/18/14	PP/GD	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	07/21/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	07/21/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	07/21/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	07/21/14	AW	3540C/8082
PCB-1248	2.4	0.34	mg/kg	07/21/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	07/21/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	07/21/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	07/21/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	07/21/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	97		%	07/21/14	AW	30 - 150 %
% TCMX	92		%	07/21/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-22

P1-220 (0.5-1')

Phoenix I.D.: BG77378

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	13:45
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77379

Project ID: WOOD GROUP
Client ID: 1192140717-23 P1-220 (1-2')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	07/23/14	I	E160.3
Extraction for PCB	Completed			07/24/14	NP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	07/26/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	07/26/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	07/26/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	07/26/14	AW	3540C/8082
PCB-1248	2	0.34	mg/kg	07/26/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	07/26/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	07/26/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	07/26/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	07/26/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	92		%	07/26/14	AW	30 - 150 %
% TCMX	82		%	07/26/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-23

P1-220 (1-2')

Phoenix I.D.: BG77379

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	13:50
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77380

Project ID: WOOD GROUP
Client ID: 1192140717-24

P1-220 (2-3')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	08/05/14	I	E160.3
Extraction for PCB	Completed			08/04/14	PP/W	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	08/05/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	08/05/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	08/05/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	08/05/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	08/05/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	08/05/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	08/05/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	08/05/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	08/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	114		%	08/05/14	AW	30 - 150 %
% TCMX	107		%	08/05/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-24

P1-220 (2-3')

Phoenix I.D.: BG77380

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	13:55
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77381

Project ID: WOOD GROUP
Client ID: 1192140717-25

P1-220 (3-4')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	08/05/14	I	E160.3
Extraction for PCB	Completed			08/04/14	PP/W	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	08/05/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	08/05/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	08/05/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	08/05/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	08/05/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	08/05/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	08/05/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	08/05/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	08/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	113		%	08/05/14	AW	30 - 150 %
% TCMX	108		%	08/05/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-25

P1-220 (3-4')

Phoenix I.D.: BG77381

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	14:00
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77382

Project ID: WOOD GROUP P1-221 (0.5-1')
Client ID: 1192140717-26

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/18/14	PP/GD	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.035	mg/kg	07/19/14	AW	3540C/8082
PCB-1221	ND	0.035	mg/kg	07/19/14	AW	3540C/8082
PCB-1232	ND	0.035	mg/kg	07/19/14	AW	3540C/8082
PCB-1242	ND	0.035	mg/kg	07/19/14	AW	3540C/8082
PCB-1248	ND	0.035	mg/kg	07/19/14	AW	3540C/8082
PCB-1254	0.24	0.035	mg/kg	07/19/14	AW	3540C/8082
PCB-1260	ND	0.035	mg/kg	07/19/14	AW	3540C/8082
PCB-1262	ND	0.035	mg/kg	07/19/14	AW	3540C/8082
PCB-1268	ND	0.035	mg/kg	07/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	75		%	07/19/14	AW	30 - 150 %
% TCMX	59		%	07/19/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-26

P1-221 (0.5-1')

Phoenix I.D.: BG77382

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	14:20
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77386

Project ID: WOOD GROUP
Client ID: 1192140717-30

P1-222 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/23/14	NP/K/Z	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	340	mg/kg	07/25/14	KCA	3540C/8082
PCB-1221	ND	340	mg/kg	07/25/14	KCA	3540C/8082
PCB-1232	ND	340	mg/kg	07/25/14	KCA	3540C/8082
PCB-1242	ND	340	mg/kg	07/25/14	KCA	3540C/8082
PCB-1248	1800	340	mg/kg	07/25/14	KCA	3540C/8082
PCB-1254	ND	340	mg/kg	07/25/14	KCA	3540C/8082
PCB-1260	ND	340	mg/kg	07/25/14	KCA	3540C/8082
PCB-1262	ND	340	mg/kg	07/25/14	KCA	3540C/8082
PCB-1268	ND	340	mg/kg	07/25/14	KCA	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	07/25/14	KCA	30 - 150 %
% TCMX	Diluted Out		%	07/25/14	KCA	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-30

P1-222 (0.5-1')

Phoenix I.D.: BG77386

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	14:20
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77387

Project ID: WOOD GROUP P1-222 (1-2')
Client ID: 1192140717-31

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	07/23/14	I	E160.3
Extraction for PCB	Completed			07/24/14	NP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	07/25/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	07/25/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	07/25/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	07/25/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	07/25/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	07/25/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	07/25/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	07/25/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	07/25/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	55		%	07/25/14	AW	30 - 150 %
% TCMX	91		%	07/25/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-31

P1-222 (1-2')

Phoenix I.D.: BG77387

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	14:25
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77388

Project ID: WOOD GROUP
Client ID: 1192140717-32

P1-222 (2-3')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	07/23/14	I	E160.3
Extraction for PCB	Completed			07/24/14	NP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/25/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/25/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/25/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/25/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/25/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/25/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/25/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/25/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/25/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	92		%	07/25/14	AW	30 - 150 %
% TCMX	86		%	07/25/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-32

P1-222 (2-3')

Phoenix I.D.: BG77388

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	14:30
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77390

Project ID: WOOD GROUP
Client ID: 1192140717-34

P1-223 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/18/14	PP/GD	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.035	mg/kg	07/22/14	AW	3540C/8082
PCB-1221	ND	0.035	mg/kg	07/22/14	AW	3540C/8082
PCB-1232	ND	0.035	mg/kg	07/22/14	AW	3540C/8082
PCB-1242	ND	0.035	mg/kg	07/22/14	AW	3540C/8082
PCB-1248	0.25	0.035	mg/kg	07/22/14	AW	3540C/8082
PCB-1254	ND	0.035	mg/kg	07/22/14	AW	3540C/8082
PCB-1260	ND	0.035	mg/kg	07/22/14	AW	3540C/8082
PCB-1262	ND	0.035	mg/kg	07/22/14	AW	3540C/8082
PCB-1268	ND	0.035	mg/kg	07/22/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	50		%	07/22/14	AW	30 - 150 %
% TCMX	50		%	07/22/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-34

P1-223 (0.5-1')

Phoenix I.D.: BG77390

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	14:40
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77394

Project ID: WOOD GROUP
Client ID: 1192140717-38

P1-224 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/18/14	PP/GD	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.034	mg/kg	07/19/14	AW	3540C/8082
PCB-1221	ND	0.034	mg/kg	07/19/14	AW	3540C/8082
PCB-1232	ND	0.034	mg/kg	07/19/14	AW	3540C/8082
PCB-1242	ND	0.034	mg/kg	07/19/14	AW	3540C/8082
PCB-1248	0.1	0.034	mg/kg	07/19/14	AW	3540C/8082
PCB-1254	ND	0.034	mg/kg	07/19/14	AW	3540C/8082
PCB-1260	ND	0.034	mg/kg	07/19/14	AW	3540C/8082
PCB-1262	ND	0.034	mg/kg	07/19/14	AW	3540C/8082
PCB-1268	ND	0.034	mg/kg	07/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	71		%	07/19/14	AW	30 - 150 %
% TCMX	56		%	07/19/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-38

P1-224 (0.5-1')

Phoenix I.D.: BG77394

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		07/17/14	14:55
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77398

Project ID: WOOD GROUP
Client ID: 1192140717-42

Equipment Blank

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB Extraction (2 Liter)	Completed			07/17/14	L	SW3510
Polychlorinated Biphenyls						
PCB-1016	ND	0.050	ug/L	07/18/14	AW	608/ 8082
PCB-1221	ND	0.050	ug/L	07/18/14	AW	608/ 8082
PCB-1232	ND	0.050	ug/L	07/18/14	AW	608/ 8082
PCB-1242	ND	0.050	ug/L	07/18/14	AW	608/ 8082
PCB-1248	ND	0.050	ug/L	07/18/14	AW	608/ 8082
PCB-1254	ND	0.050	ug/L	07/18/14	AW	608/ 8082
PCB-1260	ND	0.050	ug/L	07/18/14	AW	608/ 8082
PCB-1262	ND	0.050	ug/L	07/18/14	AW	608/ 8082
PCB-1268	ND	0.050	ug/L	07/18/14	AW	608/ 8082
QA/QC Surrogates						
% DCBP	56		%	07/18/14	AW	608/ 8082
% TCMX	70		%	07/18/14	AW	608/ 8082

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	14:30
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77399

Project ID: WOOD GROUP P3-206 (0-0.5')
Client ID: 1192140717-43

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	58		%	07/17/14	I	E160.3
MS/MSD Ext. For PCB	Completed			07/19/14		
Extraction for PCB	Completed			07/18/14	PP/GD	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.41	mg/kg	07/21/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	07/21/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	07/21/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	07/21/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	07/21/14	AW	3540C/8082
PCB-1254	1.9	0.41	mg/kg	07/21/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	07/21/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	07/21/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	07/21/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	92		%	07/21/14	AW	30 - 150 %
% TCMX	99		%	07/21/14	AW	30 - 150 %
QC for PCB	Completed			07/21/14		

Project ID: WOOD GROUP
Client ID: 1192140717-43

P3-206 (0-0.5')

Phoenix I.D.: BG77399

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	14:31
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77400

Project ID: WOOD GROUP
Client ID: 1192140717-44

P3-206 (0-0.5') Field Duplicate

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	63		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/18/14	PP/GD	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.52	mg/kg	07/21/14	AW	3540C/8082
PCB-1221	ND	0.52	mg/kg	07/21/14	AW	3540C/8082
PCB-1232	ND	0.52	mg/kg	07/21/14	AW	3540C/8082
PCB-1242	ND	0.52	mg/kg	07/21/14	AW	3540C/8082
PCB-1248	ND	0.52	mg/kg	07/21/14	AW	3540C/8082
PCB-1254	1.6	0.52	mg/kg	07/21/14	AW	3540C/8082
PCB-1260	ND	0.52	mg/kg	07/21/14	AW	3540C/8082
PCB-1262	ND	0.52	mg/kg	07/21/14	AW	3540C/8082
PCB-1268	ND	0.52	mg/kg	07/21/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	84		%	07/21/14	AW	30 - 150 %
% TCMX	102		%	07/21/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-44

P3-206 (0-0.5') Field Duplicate

Phoenix I.D.: BG77400

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 07, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/17/14	14:35
Location Code:	F&O-PCB	Received by:	LPB	07/17/14	18:34
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG77357
Phoenix ID: BG77401

Project ID: WOOD GROUP
Client ID: 1192140717-45

P3-206 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	73		%	07/17/14	I	E160.3
Extraction for PCB	Completed			07/18/14	PP/GD	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.22	mg/kg	07/21/14	AW	3540C/8082
PCB-1221	ND	0.22	mg/kg	07/21/14	AW	3540C/8082
PCB-1232	ND	0.22	mg/kg	07/21/14	AW	3540C/8082
PCB-1242	ND	0.22	mg/kg	07/21/14	AW	3540C/8082
PCB-1248	ND	0.22	mg/kg	07/21/14	AW	3540C/8082
PCB-1254	1.1	0.22	mg/kg	07/21/14	AW	3540C/8082
PCB-1260	ND	0.22	mg/kg	07/21/14	AW	3540C/8082
PCB-1262	ND	0.22	mg/kg	07/21/14	AW	3540C/8082
PCB-1268	ND	0.22	mg/kg	07/21/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	91		%	07/21/14	AW	30 - 150 %
% TCMX	95		%	07/21/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140717-45

P3-206 (0.5-1')

Phoenix I.D.: BG77401

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

August 07, 2014

QA/QC Data

SDG I.D.: GBG77357

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 280456, QC Sample No: BG77357 (BG77357, BG77360, BG77361, BG77364, BG77367, BG77370, BG77373, BG77374, BG77378, BG77382, BG77386, BG77390, BG77394, BG77400, BG77401)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	85	89	4.6				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	83	90	8.1				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	98	96	79	19.4				30 - 150	30
% TCMX (Surrogate Rec)	91	96	76	23.3				30 - 150	30
QA/QC Batch 282127, QC Sample No: BG77376 (BG77376, BG77377, BG77380, BG77381)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	91	94	3.2	112	134	17.9	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	103	104	1.0	107	105	1.9	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	113	113	114	0.9	118	116	1.7	30 - 150	30
% TCMX (Surrogate Rec)	95	102	105	2.9	109	106	2.8	30 - 150	30
QA/QC Batch 281075, QC Sample No: BG77387 (BG77358, BG77368, BG77375, BG77379, BG77387, BG77388)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	74	78	5.3	114			40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	82	85	3.6	94			40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	97	97	98	1.0	101			30 - 150	30
% TCMX (Surrogate Rec)	68	81	90	10.5	95			30 - 150	30

Comment:

The MSD is not reported for this batch.

QA/QC Data

SDG I.D.: GBG77357

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 280370, QC Sample No: BG77398 (BG77398)									
Polychlorinated Biphenyls - Water									
PCB-1016	ND	79	89	11.9				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	85	96	12.2				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	96	73	82	11.6				30 - 150	20
% TCMX (Surrogate Rec)	87	77	83	7.5				30 - 150	20
Comment:									
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.									
QA/QC Batch 280457, QC Sample No: BG77399 (BG77399)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	84	85	1.2	82	87	5.9	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	95	96	1.0	112	118	5.2	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	95	99	104	4.9	90	95	5.4	30 - 150	30
% TCMX (Surrogate Rec)	89	90	92	2.2	92	93	1.1	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
August 07, 2014

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): BG77357, BG77358, BG77359, BG77360, BG77361, BG77362, BG77363, BG77364, BG77365, BG77366, BG77367, BG77368, BG77369, BG77370, BG77371, BG77372, BG77373, BG77374, BG77375, BG77376, BG77377, BG77378, BG77379, BG77380, BG77381, BG77382, BG77383, BG77384, BG77385, BG77386, BG77387, BG77388, BG77389, BG77390, BG77391, BG77392, BG77393, BG77394, BG77395, BG77396, BG77397, BG77398, BG77399, BG77400, BG77401

Sampling Date(s): 7/17/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Thursday, August 07, 2014

Printed Name: Ethan Lee

Position: Project Manager

Nov 2007

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

August 07, 2014

SDG I.D.: GBG77357

The samples were received by the laboratory at a temperature of 7 degrees C with cooling initiated. No significant bias is suspected.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 07/21/14-1 (BG77378, BG77399, BG77400, BG77401)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/21/2014

Instrument: Au-ecd1 07/22/14-1 (BG77386)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/22/2014

Instrument: Au-ecd1 07/25/14-1 (BG77358, BG77375, BG77379)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Keith Aloisa
Position: Chemist
Date: 7/25/2014

Instrument: Au-ecd1 08/05/14-1 (BG77376)

8082 Narration:

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

August 07, 2014

SDG I.D.: GBG77357

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 8/5/2014

Instrument: Au-ecd24 07/18/14-1 (BG77398)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/18/2014

Instrument: Au-ecd24 07/19/14-1 (BG77399)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/19/2014

Instrument: Au-ecd24 07/21/14-1 (BG77360)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/21/2014

Instrument: Au-ecd24 07/22/14-1 (BG77390)

8082 Narration:

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

August 07, 2014

SDG I.D.: GBG77357

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/22/2014

Instrument: Au-ecd24 07/28/14-1 (BG77368)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/28/2014

Instrument: Au-ecd3 07/19/14-1 (BG77357)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/19/2014

Instrument: Au-ecd3 07/21/14-1 (BG77361, BG77367)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/21/2014

Instrument: Au-ecd3 07/25/14-1 (BG77387, BG77388)

8082 Narration:

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

August 07, 2014

SDG I.D.: GBG77357

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Keith Aloisa
Position: Chemist
Date: 7/25/2014

Instrument: Au-ecd3 07/29/14-1 (BG77358, BG77387, BG77388)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/29/2014

Instrument: Au-ecd48 07/21/14-1 (BG77357, BG77390)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/21/2014

Instrument: Au-ecd48 07/24/14-1 (BG77386)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/24/2014

Instrument: Au-ecd5 07/21/14-1 (BG77370, BG77374)

8082 Narration:

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

August 07, 2014

SDG I.D.: GBG77357

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/21/2014

Instrument: Au-ecd5 07/25/14-1 (BG77386)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Keith Aloisa
Position: Chemist
Date: 7/25/2014

Instrument: Au-ecd5 08/05/14-1 (BG77376, BG77377)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 8/5/2014

Instrument: Au-ecd6 07/19/14-1 (BG77364, BG77367, BG77370, BG77373)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/19/2014

Instrument: Au-ecd6 07/21/14-1 (BG77386)

8082 Narration:

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

August 07, 2014

SDG I.D.: GBG77357

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/21/2014

Instrument: Au-ecd6 07/25/14-1 (BG77368, BG77387)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Keith Aloisa
Position: Chemist
Date: 7/25/2014

Instrument: Au-ecd6 08/05/14-1 (BG77380, BG77381)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 8/5/2014

Instrument: Au-ecd8 07/19/14-1 (BG77360, BG77361, BG77374, BG77378, BG77382, BG77394, BG77399, BG77400, BG77401)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/19/2014

Instrument: Au-ecd8 07/26/14-1 (BG77375, BG77379)

8082 Narration:

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

August 07, 2014

SDG I.D.: GBG77357

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/26/2014

Instrument: Au-ecd8 08/05/14-1 (BG77376)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 8/5/2014

QC Comments: QC Batch 280370 07/17/14 (BG77398)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC Comments: QC Batch 281075 07/24/14 (BG77358, BG77368, BG77375, BG77379, BG77387, BG77388)

The MSD is not reported for this batch.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

August 07, 2014

SDG I.D.: GBG77357

QC (Site Specific)

---------- Sample No: BG77357, QA/QC Batch: 280456 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG77376, QA/QC Batch: 282127 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG77387, QA/QC Batch: 281075 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

---------- Sample No: BG77398, QA/QC Batch: 280370 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

---------- Sample No: BG77399, QA/QC Batch: 280457 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

August 07, 2014

SDG I.D.: GBG77357

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

Temperature Narration

The samples in this delivery group were received at 7°C.
(Note acceptance criteria is above freezing up to 6°C)

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

TOC
WIC
IP

CHAIN-OF-CUSTODY RECORD 31679

Turnaround
☐ 24-Hour* ☒ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Grove
PROJECT LOCATION: Windsor Locks
PROJECT NUMBER: 20051154.R73
LABORATORY: Phenix

REPORT TO: Kevin Vanderveer, F&O
INVOICE TO:
P.O. No.:
Sampler's Signature: [signature] Date: 7/17/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxh/Lect)	Hold			Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water	Glass Soil Container (4 oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ml ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45µ ☐ 10µ	Plastic - NaOH, 250 ml	Comments
01					11921407(7-01	S	7/17/14	0925	X					77357		3		~~77357~~						See Note*
02					-02			0930			X			77358		1		~~77357~~						
03					-03			0935			X			77359		1		~~77358~~						Dup.
04					-04			0950	X					77360		1		~~77359~~						See Note*
05					-05			0951	X					77361		1		~~77362~~						See Note*
06					-06			1000			X			77362		1		~~77361~~						S
07					-07			1005			X			77363		1		~~77362~~						
08					-08			1015	X					77364		1		~~77363~~						See Note*
09					-09			1020			X			77365		1		~~77364~~						
10					-10			1025			X			77366		1		~~77365~~						

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	7/17/14	18:34
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☒ QA/QC ☐ Other _____
1 Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
GA/RESDEC

Additional Comments:
* PCB RL <0.06 ppm (see Bobbi or Greg)
One duplicate Submitted

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

70C
WIC
IP

CHAIN-OF-CUSTODY RECORD 31680

Turnaround
☐ 24-Hour* ☒ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Wood Group	Windsor Locks	20051184-R73	Phoenix

Report To: Kevin Vonderyeer, F&O
Invoice To:
P.O. No.:
Sampler's Signature: [signature] Date: 7/17/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)	Hold		Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ml ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
11					1142140717-11	S	7/17/14	1045	X					1		~~77366~~							See Note*
12					-12			1050		X		77368		1		~~77367~~							
13					-13			1055		X		77369		1		~~77368~~							
14					-14			1110	X			77370		1		~~77369~~							See Note*
15					-15			1115		X		77371		1		~~77370~~							
16					-16			1120		X		77372		1		~~77371~~							
17					-17			1150	X			77373		1		~~77372~~							
18					-18			1220	X			77374		1		~~77373~~							
19					-19			1225		X		77375		1		~~77374~~							
20					-20			1235		X		77376		1		~~77375~~							

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	7/17/14	18:34
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
GA/Rs Dec

Additional Comments:
* PCB RL <0.06 ppm (See Bobbi or Grey)

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

TOC
MG
IP

CHAIN-OF-CUSTODY RECORD 31682

Turnaround
☐ 24-Hour* ☒ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks
PROJECT NUMBER: 20051184.273
LABORATORY: Phoenix

REPORT TO: Kevin Vanservear, F&O
INVOICE TO:
P.O. No.:
Sampler's Signature: [signature] Date: 7/17/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)			Hold							Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
31					1192140717-31	S	7/17/14	1422				X									1				~~77386~~				77387
32					-32			1425				X									1				~~77387~~				77388
33					-33			1428				X									1				~~77388~~				77389
34					-34			1430	X												1				~~77389~~				77390
35					-35			1432				X									1				~~77390~~				77391
36					-36			1435				X									1				~~77391~~				77392
37					-37			1438				X									1				~~77392~~				77393
38					-38			1440	X												1				~~77393~~				77394
39					-39			1442				X									1				~~77394~~				77395
40					-40			1445				X									1				~~77395~~				77396

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	7/17/14	18:34
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
GA/Rhs DEC

Additional Comments:

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

70C
WIC
IP

CHAIN-OF-CUSTODY RECORD 31668

Turnaround
☐ 24-Hour* ☒ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Wood Group	Windsor Locks	20051184.R73	Phoenix

Report To:
Invoice To:
P.O. No.:
Sampler's Signature: Date:

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other Equipment Blank

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)			Hold			Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber (oz) ml ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ml ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
41					1192140717-41	S	7/17/14	1448				X			77397		1						~~77396~~			
42					-42	X		1455	X						77398						1		77397			
43					-43	S		1430	X						77399		3						~~77398~~			MS/MSD See Note*
44					-44			1431	X						77400		1						~~77399~~			See Note*
45					-45			1435	X						77401		1						~~77400~~			See Note*

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[illegible]	[illegible]	7/17/14	18:34
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☒ QA/QC ☐ Other _____
1 Duplicates 1 Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☑ RCP Deliverables ☐ MCP CAM Cert.
GA/RI DEC

Additional Comments:
*PCB RL < 0.06 PPM (See Bobbi or Greg)
One duplicate submitted

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

TOC
UIC
IP

CHAIN-OF-CUSTODY RECORD 31681

Turnaround
☐ 24-Hour* ☒ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks
PROJECT NUMBER: 20051184-R77
LABORATORY: Phoenix

REPORT TO: Kevin Vanderveer, F&O
INVOICE TO:
P.O. No.:
Sampler's Signature: [signature] Date: 7/17/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)	Hold	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45µ ☐ 10µ	Plastic - NaOH, 250 ml	Comments
21					119240717-21	S	7/17/14	1240		X			1			~~77376~~						77377
22					-22			1340	X				1			~~77377~~						77378
23					-23			1345					1			~~77378~~						77379
24					-24			1350					1			~~77379~~						77380
25					-25			1355					1			~~77380~~						77381
26					-26			1400	X				1			~~77381~~						77382
27					-27			1405					1			~~77382~~						77383
28					-28			1410					1			~~77383~~						77384
29					-29			1415					1			~~77384~~						77385
30					-30			1420	X				1			~~77385~~						77386

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	7/17/14	18:34
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
GA/Res Dec

Additional Comments:

PHOENIX
Environmental Laboratories, Inc.

Tuesday, September 02, 2014

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BG94144 - BG94145, BG94148 - BG94149, BG94152 - BG94157, BG94160 - BG94161, BG94163 - BG94164, BG94166 - BG94168, BG94170 - BG94172

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

REVIEWED **DMS**
By pbibeau at 1:44 pm, Sep 02, 2014

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.

Friday, August 22, 2014

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BG94144 - BG94145, BG94148 - BG94149, BG94152 - BG94153, BG94156 - BG94157, BG94160 - BG94161, BG94163 - BG94164, BG94166 - BG94168, BG94170 - BG94172

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

REVIEWED **DMS**
By pbibeau at 1:44 pm, Sep 02, 2014

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 22, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RM	08/14/14	9:30
Location Code:	F&O-PCB	Received by:	LB	08/14/14	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG94144
Phoenix ID: BG94144

Project ID: WOOD GROUP
Client ID: 1192140814-01 P1-225 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/14/14	JP/K/Z	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	3.5	mg/kg	08/16/14	AW	3540C/8082
PCB-1221	ND	3.5	mg/kg	08/16/14	AW	3540C/8082
PCB-1232	ND	3.5	mg/kg	08/16/14	AW	3540C/8082
PCB-1242	ND	3.5	mg/kg	08/16/14	AW	3540C/8082
PCB-1248	12	3.5	mg/kg	08/16/14	AW	3540C/8082
PCB-1254	ND	3.5	mg/kg	08/16/14	AW	3540C/8082
PCB-1260	ND	3.5	mg/kg	08/16/14	AW	3540C/8082
PCB-1262	ND	3.5	mg/kg	08/16/14	AW	3540C/8082
PCB-1268	ND	3.5	mg/kg	08/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	08/16/14	AW	30 - 150 %
% TCMX	Diluted Out		%	08/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140814-01

P1-225 (0.5-1')

Phoenix I.D.: BG94144

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 22, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 22, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RM	08/14/14	9:35
Location Code:	F&O-PCB	Received by:	LB	08/14/14	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG94144
Phoenix ID: BG94145

Project ID: WOOD GROUP P1-225 (1-2')
Client ID: 1192140814-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/14/14	JP/K/Z	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	98		%	08/15/14	AW	30 - 150 %
% TCMX	67		%	08/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140814-02

P1-225 (1-2')

Phoenix I.D.: BG94145

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

DUPLICATE INCLUDED

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 22, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 22, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RM	08/14/14	10:05
Location Code:	F&O-PCB	Received by:	LB	08/14/14	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG94144
Phoenix ID: BG94148

Project ID: WOOD GROUP P1-226 (0.5-1')
Client ID: 1192140814-05

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/14/14	JP/K/Z	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	105		%	08/15/14	AW	30 - 150 %
% TCMX	78		%	08/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140814-05

P1-226 (0.5-1')

Phoenix I.D.: BG94148

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 22, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 22, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RM	08/14/14	10:14
Location Code:	F&O-PCB	Received by:	LB	08/14/14	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG94144
Phoenix ID: BG94149

Project ID: WOOD GROUP P1-226 (1-2')
Client ID: 1192140814-06

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/14/14	JP/K/Z	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	106		%	08/15/14	AW	30 - 150 %
% TCMX	76		%	08/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140814-06

P1-226 (1-2')

Phoenix I.D.: BG94149

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 22, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 22, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RM	08/14/14	10:25
Location Code:	F&O-PCB	Received by:	LB	08/14/14	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG94144
Phoenix ID: BG94152

Project ID: WOOD GROUP
Client ID: 1192140814-09

P1-227 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/14/14	JP/K/Z	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1248	1.1	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	116		%	08/15/14	AW	30 - 150 %
% TCMX	86		%	08/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140814-09

P1-227 (0.5-1')

Phoenix I.D.: BG94152

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 22, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 22, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RM	08/14/14	10:30
Location Code:	F&O-PCB	Received by:	LB	08/14/14	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG94144
Phoenix ID: BG94153

Project ID: WOOD GROUP P1-227 (1-2')
Client ID: 1192140814-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/14/14	JP/K/Z	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1248	1.1	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	08/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	128		%	08/15/14	AW	30 - 150 %
% TCMX	98		%	08/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140814-10

P1-227 (1-2')

Phoenix I.D.: BG94153

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 22, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 02, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RM	08/14/14	10:35
Location Code:	F&O-PCB	Received by:	LB	08/14/14	15:56
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG94144
Phoenix ID: BG94154

Project ID: WOOD GROUP
Client ID: 1192140814-11

P1-227 (2-3')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	08/18/14	X	E160.3
Extraction for PCB	Completed			08/18/14	PP/K/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	08/20/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	08/20/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	08/20/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	08/20/14	AW	3540C/8082
PCB-1248	1.8	0.34	mg/kg	08/20/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	08/20/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	08/20/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	08/20/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	08/20/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	96		%	08/20/14	AW	30 - 150 %
% TCMX	86		%	08/20/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140814-11

P1-227 (2-3')

Phoenix I.D.: BG94154

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 02, 2014
Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 02, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RM	08/14/14	10:40
Location Code:	F&O-PCB	Received by:	LB	08/14/14	15:56
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG94144
Phoenix ID: BG94155

Project ID: WOOD GROUP
Client ID: 1192140814-12

P1-227 (3-4')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	08/20/14	X	E160.3
Extraction for PCB	Completed			08/20/14	PP/K/Z	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	08/21/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	08/21/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	08/21/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	08/21/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	08/21/14	AW	3540C/8082
PCB-1254	0.72	0.34	mg/kg	08/21/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	08/21/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	08/21/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	08/21/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	103		%	08/21/14	AW	30 - 150 %
% TCMX	89		%	08/21/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140814-12

P1-227 (3-4')

Phoenix I.D.: BG94155

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 02, 2014
Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 22, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RM	08/14/14	11:25
Location Code:	F&O-PCB	Received by:	LB	08/14/14	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG94144
Phoenix ID: BG94156

Project ID: WOOD GROUP
Client ID: 1192140814-13 P1-228 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/14/14	JP/K/Z	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	08/15/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	08/15/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	08/15/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	08/15/14	AW	3540C/8082
PCB-1248	0.78	0.34	mg/kg	08/15/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	08/15/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	08/15/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	08/15/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	08/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	123		%	08/15/14	AW	30 - 150 %
% TCMX	91		%	08/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140814-13

P1-228 (0.5-1')

Phoenix I.D.: BG94156

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 22, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 22, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RM	08/14/14	11:30
Location Code:	F&O-PCB	Received by:	LB	08/14/14	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG94144
Phoenix ID: BG94157

Project ID: WOOD GROUP
Client ID: 1192140814-14

P1-228 (1-2')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/14/14	JP/K/Z	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	08/15/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	08/15/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	08/15/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	08/15/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	08/15/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	08/15/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	08/15/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	08/15/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	08/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	108		%	08/15/14	AW	30 - 150 %
% TCMX	85		%	08/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140814-14

P1-228 (1-2')

Phoenix I.D.: BG94157

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 22, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 22, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RM	08/14/14	12:30
Location Code:	F&O-PCB	Received by:	LB	08/14/14	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG94144
Phoenix ID: BG94160

Project ID: WOOD GROUP
Client ID: 1192140814-17

P3-105J (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	08/14/14	I	E160.3
MS/MSD Ext. For PCB	Completed			08/15/14		
Extraction for PCB	Completed			08/14/14	JP/K/Z	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.072	mg/kg	08/19/14	AW	3540C/8082
PCB-1221	ND	0.072	mg/kg	08/19/14	AW	3540C/8082
PCB-1232	ND	0.072	mg/kg	08/19/14	AW	3540C/8082
PCB-1242	ND	0.072	mg/kg	08/19/14	AW	3540C/8082
PCB-1248	ND	0.072	mg/kg	08/19/14	AW	3540C/8082
PCB-1254	0.82	0.072	mg/kg	08/19/14	AW	3540C/8082
PCB-1260	ND	0.072	mg/kg	08/19/14	AW	3540C/8082
PCB-1262	ND	0.072	mg/kg	08/19/14	AW	3540C/8082
PCB-1268	ND	0.072	mg/kg	08/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	87		%	08/19/14	AW	30 - 150 %
% TCMX	65		%	08/19/14	AW	30 - 150 %
QC for PCB				08/15/14	AW	

Project ID: WOOD GROUP
Client ID: 1192140814-17

P3-105J (0-0.5')

Phoenix I.D.: BG94160

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 22, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 22, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RM	08/14/14	12:45
Location Code:	F&O-PCB	Received by:	LB	08/14/14	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG94144
Phoenix ID: BG94161

Project ID: WOOD GROUP P3-105J (1-2')
Client ID: 1192140814-18

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/14/14	JP/K/Z	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	08/16/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	08/16/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	08/16/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	08/16/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	08/16/14	AW	3540C/8082
PCB-1254	0.99	0.34	mg/kg	08/16/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	08/16/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	08/16/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	08/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	103		%	08/16/14	AW	30 - 150 %
% TCMX	90		%	08/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140814-18

P3-105J (1-2')

Phoenix I.D.: BG94161

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 22, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 22, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RM	08/14/14	13:15
Location Code:	F&O-PCB	Received by:	LB	08/14/14	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG94144
Phoenix ID: BG94163

Project ID: WOOD GROUP P3-105K (0-0.5')
Client ID: 1192140814-20

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/14/14	JP/K/Z	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	4	mg/kg	08/16/14	AW	3540C/8082
PCB-1221	ND	4	mg/kg	08/16/14	AW	3540C/8082
PCB-1232	ND	4	mg/kg	08/16/14	AW	3540C/8082
PCB-1242	ND	4	mg/kg	08/16/14	AW	3540C/8082
PCB-1248	ND	4	mg/kg	08/16/14	AW	3540C/8082
PCB-1254	16	4	mg/kg	08/16/14	AW	3540C/8082
PCB-1260	ND	4	mg/kg	08/16/14	AW	3540C/8082
PCB-1262	ND	4	mg/kg	08/16/14	AW	3540C/8082
PCB-1268	ND	4	mg/kg	08/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	08/16/14	AW	30 - 150 %
% TCMX	Diluted Out		%	08/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140814-20

P3-105K (0-0.5')

Phoenix I.D.: BG94163

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 22, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 22, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RM	08/14/14	13:20
Location Code:	F&O-PCB	Received by:	LB	08/14/14	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG94144
Phoenix ID: BG94164

Project ID: WOOD GROUP P3-105K (1-2')
Client ID: 1192140814-21

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	88		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/14/14	JP/K/Z	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.074	mg/kg	08/15/14	AW	3540C/8082
PCB-1221	ND	0.074	mg/kg	08/15/14	AW	3540C/8082
PCB-1232	ND	0.074	mg/kg	08/15/14	AW	3540C/8082
PCB-1242	ND	0.074	mg/kg	08/15/14	AW	3540C/8082
PCB-1248	ND	0.074	mg/kg	08/15/14	AW	3540C/8082
PCB-1254	0.33	0.074	mg/kg	08/15/14	AW	3540C/8082
PCB-1260	ND	0.074	mg/kg	08/15/14	AW	3540C/8082
PCB-1262	ND	0.074	mg/kg	08/15/14	AW	3540C/8082
PCB-1268	ND	0.074	mg/kg	08/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	82		%	08/15/14	AW	30 - 150 %
% TCMX	64		%	08/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140814-21

P3-105K (1-2')

Phoenix I.D.: BG94164

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 22, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 22, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RM	08/14/14	13:40
Location Code:	F&O-PCB	Received by:	LB	08/14/14	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG94144
Phoenix ID: BG94166

Project ID: WOOD GROUP P3-105L (0-0.5')
Client ID: 1192140814-23

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/14/14	JP/K/Z	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.71	mg/kg	08/16/14	AW	3540C/8082
PCB-1221	ND	0.71	mg/kg	08/16/14	AW	3540C/8082
PCB-1232	ND	0.71	mg/kg	08/16/14	AW	3540C/8082
PCB-1242	ND	0.71	mg/kg	08/16/14	AW	3540C/8082
PCB-1248	ND	0.71	mg/kg	08/16/14	AW	3540C/8082
PCB-1254	1	0.71	mg/kg	08/16/14	AW	3540C/8082
PCB-1260	ND	0.71	mg/kg	08/16/14	AW	3540C/8082
PCB-1262	ND	0.71	mg/kg	08/16/14	AW	3540C/8082
PCB-1268	ND	0.71	mg/kg	08/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	98		%	08/16/14	AW	30 - 150 %
% TCMX	84		%	08/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140814-23

P3-105L (0-0.5')

Phoenix I.D.: BG94166

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 22, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 22, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RM	08/14/14	13:41
Location Code:	F&O-PCB	Received by:	LB	08/14/14	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG94144
Phoenix ID: BG94167

Project ID: WOOD GROUP
Client ID: 1192140814-24

P3-105L (0-0.5') Field Duplicate

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	91		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/14/14	JP/K/Z	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.72	mg/kg	08/16/14	AW	3540C/8082
PCB-1221	ND	0.72	mg/kg	08/16/14	AW	3540C/8082
PCB-1232	ND	0.72	mg/kg	08/16/14	AW	3540C/8082
PCB-1242	ND	0.72	mg/kg	08/16/14	AW	3540C/8082
PCB-1248	ND	0.72	mg/kg	08/16/14	AW	3540C/8082
PCB-1254	1.4	0.72	mg/kg	08/16/14	AW	3540C/8082
PCB-1260	ND	0.72	mg/kg	08/16/14	AW	3540C/8082
PCB-1262	ND	0.72	mg/kg	08/16/14	AW	3540C/8082
PCB-1268	ND	0.72	mg/kg	08/16/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	100		%	08/16/14	AW	30 - 150 %
% TCMX	88		%	08/16/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140814-24

P3-105L (0-0.5') Field Duplicate

Phoenix I.D.: BG94167

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 22, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 22, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RM	08/14/14	13:45
Location Code:	F&O-PCB	Received by:	LB	08/14/14	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG94144
Phoenix ID: BG94168

Project ID: WOOD GROUP
Client ID: 1192140814-25 P3-105L (1-2')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	91		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/14/14	JP/K/Z	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.036	mg/kg	08/15/14	AW	3540C/8082
PCB-1221	ND	0.036	mg/kg	08/15/14	AW	3540C/8082
PCB-1232	ND	0.036	mg/kg	08/15/14	AW	3540C/8082
PCB-1242	ND	0.036	mg/kg	08/15/14	AW	3540C/8082
PCB-1248	ND	0.036	mg/kg	08/15/14	AW	3540C/8082
PCB-1254	ND	0.036	mg/kg	08/15/14	AW	3540C/8082
PCB-1260	ND	0.036	mg/kg	08/15/14	AW	3540C/8082
PCB-1262	ND	0.036	mg/kg	08/15/14	AW	3540C/8082
PCB-1268	ND	0.036	mg/kg	08/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	82		%	08/15/14	AW	30 - 150 %
% TCMX	65		%	08/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140814-25

P3-105L (1-2')

Phoenix I.D.: BG94168

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 22, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 22, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RM	08/14/14	13:55
Location Code:	F&O-PCB	Received by:	LB	08/14/14	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG94144
Phoenix ID: BG94170

Project ID: WOOD GROUP
Client ID: 1192140814-27

P3-105M (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	72		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/14/14	JP/K/Z	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.46	mg/kg	08/15/14	AW	3540C/8082
PCB-1221	ND	0.46	mg/kg	08/15/14	AW	3540C/8082
PCB-1232	ND	0.46	mg/kg	08/15/14	AW	3540C/8082
PCB-1242	ND	0.46	mg/kg	08/15/14	AW	3540C/8082
PCB-1248	ND	0.46	mg/kg	08/15/14	AW	3540C/8082
PCB-1254	1.4	0.46	mg/kg	08/15/14	AW	3540C/8082
PCB-1260	ND	0.46	mg/kg	08/15/14	AW	3540C/8082
PCB-1262	ND	0.46	mg/kg	08/15/14	AW	3540C/8082
PCB-1268	ND	0.46	mg/kg	08/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	102		%	08/15/14	AW	30 - 150 %
% TCMX	102		%	08/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140814-27

P3-105M (0-0.5')

Phoenix I.D.: BG94170

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 22, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 22, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	RM	08/14/14	14:00
Location Code:	F&O-PCB	Received by:	LB	08/14/14	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG94144
Phoenix ID: BG94171

Project ID: WOOD GROUP P3-105N (0-0.5')
Client ID: 1192140814-28

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/14/14	JP/K/Z	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.37	mg/kg	08/15/14	AW	3540C/8082
PCB-1221	ND	0.37	mg/kg	08/15/14	AW	3540C/8082
PCB-1232	ND	0.37	mg/kg	08/15/14	AW	3540C/8082
PCB-1242	ND	0.37	mg/kg	08/15/14	AW	3540C/8082
PCB-1248	ND	0.37	mg/kg	08/15/14	AW	3540C/8082
PCB-1254	ND	0.37	mg/kg	08/15/14	AW	3540C/8082
PCB-1260	ND	0.37	mg/kg	08/15/14	AW	3540C/8082
PCB-1262	ND	0.37	mg/kg	08/15/14	AW	3540C/8082
PCB-1268	ND	0.37	mg/kg	08/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	109		%	08/15/14	AW	30 - 150 %
% TCMX	113		%	08/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140814-28

P3-105N (0-0.5')

Phoenix I.D.: BG94171

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 22, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 22, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	RM	08/14/14	14:30
Location Code:	F&O-PCB	Received by:	LB	08/14/14	15:56
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBG94144
Phoenix ID: BG94172

Project ID: WOOD GROUP
Client ID: 1192140814-29

Equipment Blank

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB Extraction	Completed			08/14/14	L	SW3510C
Polychlorinated Biphenyls						
PCB-1016	ND	0.50	ug/L	08/15/14	AW	8082
PCB-1221	ND	0.50	ug/L	08/15/14	AW	8082
PCB-1232	ND	0.50	ug/L	08/15/14	AW	8082
PCB-1242	ND	0.50	ug/L	08/15/14	AW	8082
PCB-1248	ND	0.50	ug/L	08/15/14	AW	8082
PCB-1254	ND	0.50	ug/L	08/15/14	AW	8082
PCB-1260	ND	0.50	ug/L	08/15/14	AW	8082
PCB-1262	ND	0.50	ug/L	08/15/14	AW	8082
PCB-1268	ND	0.50	ug/L	08/15/14	AW	8082
QA/QC Surrogates						
% DCBP	53		%	08/15/14	AW	30 - 150 %
% TCMX	100		%	08/15/14	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 22, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

August 22, 2014

QA/QC Data

SDG I.D.: GBG94144

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 282997, QC Sample No: BG91936 (BG94172)									
Polychlorinated Biphenyls - Water									
PCB-1016	ND	64	72	11.8				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	77	88	13.3				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	91	54	64	16.9				30 - 150	20
% TCMX (Surrogate Rec)	84	61	64	4.8				30 - 150	20
Comment:									
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.									
QA/QC Batch 283314, QC Sample No: BG94160 (BG94144, BG94145, BG94148, BG94149, BG94152, BG94153, BG94156, BG94157, BG94160, BG94161, BG94163, BG94164, BG94166, BG94167, BG94168, BG94170, BG94171)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	96	99	3.1	96	99	3.1	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	93	96	3.2	109	115	5.4	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	105	101	104	2.9	102	107	4.8	30 - 150	30
% TCMX (Surrogate Rec)	108	107	106	0.9	93	96	3.2	30 - 150	30
QA/QC Batch 283652, QC Sample No: BG95707 (BG94154)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	90	66	30.8	90	86	4.5	40 - 140	30 r
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	91	68	28.9	128	108	16.9	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	84	91	86	5.6	90	88	2.2	30 - 150	30
% TCMX (Surrogate Rec)	69	78	71	9.4	88	87	1.1	30 - 150	30

QA/QC Data

SDG I.D.: GBG94144

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 283787, QC Sample No: BG96563 (BG94155)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	79	84	6.1				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	90	91	1.1				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	95	98	101	3.0				30 - 150	30
% TCMX (Surrogate Rec)	77	72	82	13.0				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
August 22, 2014

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): BG94144, BG94145, BG94146, BG94147, BG94148, BG94149, BG94150, BG94151, BG94152, BG94153, BG94154, BG94155, BG94156, BG94157, BG94158, BG94159, BG94160, BG94161, BG94162, BG94163, BG94164, BG94165, BG94166, BG94167, BG94168, BG94169, BG94170, BG94171, BG94172

Sampling Date(s): 8/14/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Section: PCB Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☐ Yes ☑ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: _____

Date: Friday, August 22, 2014

Printed Name: Greg Lawrence

Position: Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

August 22, 2014

SDG I.D.: GBG94144

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 283652 (Samples: BG94154): -----

The LCS/LCSD RPD exceeds the method criteria for one analyte, but this analyte was not reported in the sample(s) so no variability is suspected. (PCB-1016)

Instrument: Au-ecd1 08/15/14-1 (BG94145, BG94160, BG94164, BG94168)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 8/15/2014

Instrument: Au-ecd24 08/15/14-1 (BG94166, BG94167)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 8/15/2014

Instrument: Au-ecd3 08/15/14-1 (BG94148, BG94149)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 8/15/2014

Instrument: Au-ecd5 08/15/14-1 (BG94172)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

August 22, 2014

SDG I.D.: GBG94144

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 8/15/2014

Instrument: Au-ecd5 08/19/14-1 (BG94160)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 8/19/2014

Instrument: Au-ecd6 08/19/14-1 (BG94154)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 8/19/2014

Instrument: Au-ecd8 08/21/14-1 (BG94155)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 8/21/2014

Instrument: Ecd_cart 2 08/15/14-1 (BG94152, BG94153, BG94156, BG94157, BG94170, BG94171)

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

August 22, 2014

SDG I.D.: GBG94144

Printed Name Adam Werner
Position: Chemist
Date: 8/15/2014

Instrument: Ecd_cart 2 08/16/14-1 (BG94144, BG94161, BG94163)

Printed Name Adam Werner
Position: Chemist
Date: 8/16/2014

QC Comments: QC Batch 282997 08/12/14 (BG94172)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC Comments: QC Batch 283787 08/19/14 (BG94155)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

August 22, 2014

SDG I.D.: GBG94144

QC (Site Specific)

---------- Sample No: BG94160, QA/QC Batch: 283314 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BG91936, QA/QC Batch: 282997 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

---------- Sample No: BG95707, QA/QC Batch: 283652 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: PCB-1016(30.8%)

---------- Sample No: BG96563, QA/QC Batch: 283787 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples in this delivery group were received at 1°C.
(Note acceptance criteria is above freezing up to 6°C)

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

August 22, 2014

SDG I.D.: GBG94144

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☐ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

1 oc
WC
IP

CHAIN-OF-CUSTODY RECORD 31917

Turnaround
☐ 24-Hour* ☒ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Wood Group	Windsor Locks, CT	20051194.R73	Phoenix

REPORT TO: Kevin Vanderveer, F&O
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: [signature] Date: 8/14/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)	Hold	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ Na(SO4)2	Glass Soil Container (8) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is ☐ H2SO4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H2SO4, ☐ 250 ml ☐ 500 ml	Plastic - HNO3, 250 ml ☐ Filtered ☐ 0.45µ ☐ 10µ	Plastic - NaOH, 250 ml	Comments
01					1192140814-01	S	8/14/14	0930	X				1									94144
02					-02	↓	↓	0935	X				1									94145
03					-03			0940	~~X~~	X			1									94146
04					-04			0945	~~X~~	X			1									94147
05					-05			1005	X				1									94148
06					-06			1010	X				1									94149
07					-07			1015	~~X~~	X			1									94150
08					-08			1020	~~X~~	X			1									94151
09					-09			1025	X				1									94152
10					-10	↓	↓	1030	X				1									94153

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	8/14/14	1556
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
GA/RESDEC

Additional Comments:
one duplicate submitted

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

10c
MC
IP

CHAIN-OF-CUSTODY RECORD 31916

Turnaround
☐ 24-Hour* ☒ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks
PROJECT NUMBER: 20051184.273
LABORATORY: Phoenix

REPORT TO: Kevin Vandersee, F&O
INVOICE TO:
P.O. No.:
Sampler's Signature: R McMullen Date: 8/14/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxh/cf)	Hold	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (8) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
11					1192140814-11	S	8/14/14	1035	X	X			1									94154
12					-12			1040	X	X			1									94155
13					-13			1125	X				1									94156
14					-14			1130	X				1									94157
15					-15			1135		X			1									94158
16					-16			1140		X			1									94159
17					-17			1230	X				3				94160					MS/MSD
18					-18			1245	X				1									94161
19					-19			1250		X			1									94162
20					-20			1315	X				1									94163

Transfer Number	Relinquished By	Accepted By	Date	Time
1	R McMullen	[illegible]	8/14/14	1550
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
GA/RES DEC

Additional Comments:

FUSS & O'NEILL
(850) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

loc
MC
ID

CHAIN-OF-CUSTODY RECORD 31918

Turnaround
☐ 24-Hour* ☒ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Wood Group	Windsor Locks	20051184.R73	Phoenix

REPORT TO: Kevin Vanderveer, F&O
INVOICE TO: +
P.O. NO.:
Sampler's Signature: [signature] Date: 8/14/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other Equipment Blank

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlets)	Hold	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (8) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber (1000 ml) ☒ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
21					1192140814-21	S	8/14/14	1320	X				1									94164
22					-22	↓	↓	1325		X			1									94165
23					-23	↓	↓	1340	X				1									94166
24					-24	↓	↓	1341	X				1									94167
25					-25	↓	↓	1345	X				1									94168
26					-26	↓	↓	1350		X			1									94169
27					-27	↓	↓	1355	X				1									94170
28					-28	↓	↓	1400	X				1									94171
29					-29	X	↓	1430	X								1					94172

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	8/14/14	1556
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)
Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
GA/Res DEC
Additional Comments:

PHOENIX
Environmental Laboratories, Inc.

Thursday, November 20, 2014

Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BH17086, BH17089, BH17092, BH17095 - BH17100, BH17102 - BH17103, BH17106 - BH17116, BH17118, BH17121, BH17124, BH17127 - BH17129

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

REVIEWED **DMS**
By pbibeau at 2:08 pm, Nov 20, 2014

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.

Tuesday, October 07, 2014

Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BH17086, BH17089, BH17092, BH17095 - BH17100, BH17102 - BH17103, BH17106 - BH17113, BH17115 - BH17116, BH17118, BH17121, BH17124, BH17127 - BH17129

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

REVIEWED **DMS**
By pbibeau at 8:27 am, Oct 08, 2014

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	8:10
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17086

Project ID: WOOD GROUP
Client ID: 1192140922-01 P3-301 (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	09/22/14	i	E160.3
Extraction for PCB	Completed			09/22/14	JP/XW	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.035	mg/kg	09/23/14	AW	3540C/8082
PCB-1221	ND	0.035	mg/kg	09/23/14	AW	3540C/8082
PCB-1232	ND	0.035	mg/kg	09/23/14	AW	3540C/8082
PCB-1242	ND	0.035	mg/kg	09/23/14	AW	3540C/8082
PCB-1248	ND	0.035	mg/kg	09/23/14	AW	3540C/8082
PCB-1254	0.31	0.035	mg/kg	09/23/14	AW	3540C/8082
PCB-1260	ND	0.035	mg/kg	09/23/14	AW	3540C/8082
PCB-1262	ND	0.035	mg/kg	09/23/14	AW	3540C/8082
PCB-1268	ND	0.035	mg/kg	09/23/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	65		%	09/23/14	AW	30 - 150 %
% TCMX	63		%	09/23/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-01

P3-301 (0-0.5')

Phoenix I.D.: BH17086

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	8:18
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17089

Project ID: WOOD GROUP
Client ID: 1192140922-04

P3-302 (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	09/22/14	i	E160.3
Extraction for PCB	Completed			09/22/14	JP/XW	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.036	mg/kg	09/23/14	AW	3540C/8082
PCB-1221	ND	0.036	mg/kg	09/23/14	AW	3540C/8082
PCB-1232	ND	0.036	mg/kg	09/23/14	AW	3540C/8082
PCB-1242	ND	0.036	mg/kg	09/23/14	AW	3540C/8082
PCB-1248	ND	0.036	mg/kg	09/23/14	AW	3540C/8082
PCB-1254	0.067	0.036	mg/kg	09/23/14	AW	3540C/8082
PCB-1260	ND	0.036	mg/kg	09/23/14	AW	3540C/8082
PCB-1262	ND	0.036	mg/kg	09/23/14	AW	3540C/8082
PCB-1268	ND	0.036	mg/kg	09/23/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	66		%	09/23/14	AW	30 - 150 %
% TCMX	62		%	09/23/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-04

P3-302 (0-0.5')

Phoenix I.D.: BH17089

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	8:30
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17092

Project ID: WOOD GROUP
Client ID: 1192140922-07

P3-303 (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	09/22/14	i	E160.3
Extraction for PCB	Completed			09/22/14	JP/XW	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.034	mg/kg	09/23/14	AW	3540C/8082
PCB-1221	ND	0.034	mg/kg	09/23/14	AW	3540C/8082
PCB-1232	ND	0.034	mg/kg	09/23/14	AW	3540C/8082
PCB-1242	ND	0.034	mg/kg	09/23/14	AW	3540C/8082
PCB-1248	ND	0.034	mg/kg	09/23/14	AW	3540C/8082
PCB-1254	ND	0.034	mg/kg	09/23/14	AW	3540C/8082
PCB-1260	ND	0.034	mg/kg	09/23/14	AW	3540C/8082
PCB-1262	ND	0.034	mg/kg	09/23/14	AW	3540C/8082
PCB-1268	ND	0.034	mg/kg	09/23/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	58		%	09/23/14	AW	30 - 150 %
% TCMX	51		%	09/23/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-07

P3-303 (0-0.5')

Phoenix I.D.: BH17092

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	8:42
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17095

Project ID: WOOD GROUP
Client ID: 1192140922-10

P3-304 (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	09/22/14	i	E160.3
MS/MSD Ext. For PCB	Completed			09/23/14		
Extraction for PCB	Completed			09/22/14	JP/XW	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	3.6	mg/kg	09/24/14	AW	3540C/8082
PCB-1221	ND	3.6	mg/kg	09/24/14	AW	3540C/8082
PCB-1232	ND	3.6	mg/kg	09/24/14	AW	3540C/8082
PCB-1242	ND	3.6	mg/kg	09/24/14	AW	3540C/8082
PCB-1248	ND	3.6	mg/kg	09/24/14	AW	3540C/8082
PCB-1254	13	3.6	mg/kg	09/24/14	AW	3540C/8082
PCB-1260	ND	3.6	mg/kg	09/24/14	AW	3540C/8082
PCB-1262	ND	3.6	mg/kg	09/24/14	AW	3540C/8082
PCB-1268	ND	3.6	mg/kg	09/24/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	09/24/14	AW	30 - 150 %
% TCMX	Diluted Out		%	09/24/14	AW	30 - 150 %
QC for PCB				09/23/14	AW	

Project ID: WOOD GROUP
Client ID: 1192140922-10

P3-304 (0-0.5')

Phoenix I.D.: BH17095

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	8:44
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17096

Project ID: WOOD GROUP
Client ID: 1192140922-11

P3-304 (0.5-0.75')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	09/25/14	I	E160.3
Extraction for PCB	Completed			09/25/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.17	mg/kg	09/26/14	AW	3540C/8082
PCB-1221	ND	0.17	mg/kg	09/26/14	AW	3540C/8082
PCB-1232	ND	0.17	mg/kg	09/26/14	AW	3540C/8082
PCB-1242	ND	0.17	mg/kg	09/26/14	AW	3540C/8082
PCB-1248	ND	0.17	mg/kg	09/26/14	AW	3540C/8082
PCB-1254	0.71	0.17	mg/kg	09/26/14	AW	3540C/8082
PCB-1260	ND	0.17	mg/kg	09/26/14	AW	3540C/8082
PCB-1262	ND	0.17	mg/kg	09/26/14	AW	3540C/8082
PCB-1268	ND	0.17	mg/kg	09/26/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	75		%	09/26/14	AW	30 - 150 %
% TCMX	65		%	09/26/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-11

P3-304 (0.5-0.75')

Phoenix I.D.: BH17096

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	8:46
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17097

Project ID: WOOD GROUP
Client ID: 1192140922-12 P3-304 (0.75-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	09/25/14	I	E160.3
Extraction for PCB	Completed			10/01/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.36	mg/kg	10/02/14	AW	3540C/8082
PCB-1221	ND	0.36	mg/kg	10/02/14	AW	3540C/8082
PCB-1232	ND	0.36	mg/kg	10/02/14	AW	3540C/8082
PCB-1242	ND	0.36	mg/kg	10/02/14	AW	3540C/8082
PCB-1248	ND	0.36	mg/kg	10/02/14	AW	3540C/8082
PCB-1254	1.9	0.36	mg/kg	10/02/14	AW	3540C/8082
PCB-1260	ND	0.36	mg/kg	10/02/14	AW	3540C/8082
PCB-1262	ND	0.36	mg/kg	10/02/14	AW	3540C/8082
PCB-1268	ND	0.36	mg/kg	10/02/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	44		%	10/02/14	AW	30 - 150 %
% TCMX	44		%	10/02/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-12

P3-304 (0.75-1')

Phoenix I.D.: BH17097

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	8:54
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17098

Project ID: WOOD GROUP
Client ID: 1192140922-13

P3-305 (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	09/22/14	i	E160.3
Extraction for PCB	Completed			09/22/14	JP/XW	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.37	mg/kg	09/23/14	AW	3540C/8082
PCB-1221	ND	0.37	mg/kg	09/23/14	AW	3540C/8082
PCB-1232	ND	0.37	mg/kg	09/23/14	AW	3540C/8082
PCB-1242	ND	0.37	mg/kg	09/23/14	AW	3540C/8082
PCB-1248	ND	0.37	mg/kg	09/23/14	AW	3540C/8082
PCB-1254	2.2	0.37	mg/kg	09/23/14	AW	3540C/8082
PCB-1260	ND	0.37	mg/kg	09/23/14	AW	3540C/8082
PCB-1262	ND	0.37	mg/kg	09/23/14	AW	3540C/8082
PCB-1268	ND	0.37	mg/kg	09/23/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	78		%	09/23/14	AW	30 - 150 %
% TCMX	70		%	09/23/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-13 P3-305 (0-0.5')

Phoenix I.D.: BH17098

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	8:55
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17099

Project ID: WOOD GROUP
Client ID: 1192140922-14

P3-305 (0-0.5') Field Duplicate

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	09/22/14	i	E160.3
Extraction for PCB	Completed			09/22/14	JP/XW	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.38	mg/kg	09/23/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	09/23/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	09/23/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	09/23/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	09/23/14	AW	3540C/8082
PCB-1254	2.7	0.38	mg/kg	09/23/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	09/23/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	09/23/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	09/23/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	77		%	09/23/14	AW	30 - 150 %
% TCMX	68		%	09/23/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-14

P3-305 (0-0.5') Field Duplicate

Phoenix I.D.: BH17099

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

October 07, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	8:56
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17100

Project ID: WOOD GROUP
Client ID: 1192140922-15

P3-305 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	09/25/14	I	E160.3
Extraction for PCB	Completed			09/25/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.19	mg/kg	09/26/14	AW	3540C/8082
PCB-1221	ND	0.19	mg/kg	09/26/14	AW	3540C/8082
PCB-1232	ND	0.19	mg/kg	09/26/14	AW	3540C/8082
PCB-1242	ND	0.19	mg/kg	09/26/14	AW	3540C/8082
PCB-1248	ND	0.19	mg/kg	09/26/14	AW	3540C/8082
PCB-1254	0.78	0.19	mg/kg	09/26/14	AW	3540C/8082
PCB-1260	ND	0.19	mg/kg	09/26/14	AW	3540C/8082
PCB-1262	ND	0.19	mg/kg	09/26/14	AW	3540C/8082
PCB-1268	ND	0.19	mg/kg	09/26/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	76		%	09/26/14	AW	30 - 150 %
% TCMX	66		%	09/26/14	AW	30 - 150 %

Project ID: WOOD GROUP

Client ID: 1192140922-15 P3-305 (0.5-1')

Phoenix I.D.: BH17100

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

October 07, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	9:10
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17102

Project ID: WOOD GROUP
Client ID: 1192140922-17

P3-306 (0-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	59		%	09/22/14	i	E160.3
Extraction for PCB	Completed			09/22/14	JP/XW	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.094	mg/kg	09/23/14	AW	3540C/8082
PCB-1221	ND	0.094	mg/kg	09/23/14	AW	3540C/8082
PCB-1232	ND	0.094	mg/kg	09/23/14	AW	3540C/8082
PCB-1242	ND	0.094	mg/kg	09/23/14	AW	3540C/8082
PCB-1248	ND	0.094	mg/kg	09/23/14	AW	3540C/8082
PCB-1254	0.12	0.094	mg/kg	09/23/14	AW	3540C/8082
PCB-1260	ND	0.094	mg/kg	09/23/14	AW	3540C/8082
PCB-1262	ND	0.094	mg/kg	09/23/14	AW	3540C/8082
PCB-1268	ND	0.094	mg/kg	09/23/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	61		%	09/23/14	AW	30 - 150 %
% TCMX	61		%	09/23/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-17

P3-306 (0-1')

Phoenix I.D.: BH17102

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	9:16
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17103

Project ID: WOOD GROUP
Client ID: 1192140922-18

P3-307 (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	10/01/14	I	E160.3
Extraction for PCB	Completed			10/01/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.037	mg/kg	10/02/14	AW	3540C/8082
PCB-1221	ND	0.037	mg/kg	10/02/14	AW	3540C/8082
PCB-1232	ND	0.037	mg/kg	10/02/14	AW	3540C/8082
PCB-1242	ND	0.037	mg/kg	10/02/14	AW	3540C/8082
PCB-1248	ND	0.037	mg/kg	10/02/14	AW	3540C/8082
PCB-1254	0.2	0.037	mg/kg	10/02/14	AW	3540C/8082
PCB-1260	ND	0.037	mg/kg	10/02/14	AW	3540C/8082
PCB-1262	ND	0.037	mg/kg	10/02/14	AW	3540C/8082
PCB-1268	ND	0.037	mg/kg	10/02/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	72		%	10/02/14	AW	30 - 150 %
% TCMX	63		%	10/02/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-18

P3-307 (0-0.5')

Phoenix I.D.: BH17103

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	9:52
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17106

Project ID: WOOD GROUP
Client ID: 1192140922-21

P3-308 (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	09/25/14	I	E160.3
Extraction for PCB	Completed			09/25/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1221	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1232	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1242	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1248	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1254	5.5	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1260	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1262	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1268	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	09/26/14	AW	30 - 150 %
% TCMX	Diluted Out		%	09/26/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-21

P3-308 (0-0.5')

Phoenix I.D.: BH17106

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	9:54
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17107

Project ID: WOOD GROUP
Client ID: 1192140922-22

P3-308 (0.5-0.75')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	10/01/14	I	E160.3
Extraction for PCB	Completed			10/01/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	1.9	mg/kg	10/02/14	AW	3540C/8082
PCB-1221	ND	1.9	mg/kg	10/02/14	AW	3540C/8082
PCB-1232	ND	1.9	mg/kg	10/02/14	AW	3540C/8082
PCB-1242	ND	1.9	mg/kg	10/02/14	AW	3540C/8082
PCB-1248	ND	1.9	mg/kg	10/02/14	AW	3540C/8082
PCB-1254	22	1.9	mg/kg	10/02/14	AW	3540C/8082
PCB-1260	ND	1.9	mg/kg	10/02/14	AW	3540C/8082
PCB-1262	ND	1.9	mg/kg	10/02/14	AW	3540C/8082
PCB-1268	ND	1.9	mg/kg	10/02/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	10/02/14	AW	30 - 150 %
% TCMX	Diluted Out		%	10/02/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-22

P3-308 (0.5-0.75')

Phoenix I.D.: BH17107

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	9:56
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17108

Project ID: WOOD GROUP
Client ID: 1192140922-23

P3-308 (0.5-0.75')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	10/03/14	I	E160.3
Extraction for PCB	Completed			10/03/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	1.7	mg/kg	10/06/14	AW	3540C/8082
PCB-1221	ND	1.7	mg/kg	10/06/14	AW	3540C/8082
PCB-1232	ND	1.7	mg/kg	10/06/14	AW	3540C/8082
PCB-1242	ND	1.7	mg/kg	10/06/14	AW	3540C/8082
PCB-1248	ND	1.7	mg/kg	10/06/14	AW	3540C/8082
PCB-1254	9.6	1.7	mg/kg	10/06/14	AW	3540C/8082
PCB-1260	ND	1.7	mg/kg	10/06/14	AW	3540C/8082
PCB-1262	ND	1.7	mg/kg	10/06/14	AW	3540C/8082
PCB-1268	ND	1.7	mg/kg	10/06/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	10/06/14	AW	30 - 150 %
% TCMX	Diluted Out		%	10/06/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-23

P3-308 (0.5-0.75')

Phoenix I.D.: BH17108

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	10:05
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17109

Project ID: WOOD GROUP
Client ID: 1192140922-24

P3-309 (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	09/25/14	I	E160.3
Extraction for PCB	Completed			09/25/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1221	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1232	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1242	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1248	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1254	22	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1260	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1262	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1268	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	09/26/14	AW	30 - 150 %
% TCMX	Diluted Out		%	09/26/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-24

P3-309 (0-0.5')

Phoenix I.D.: BH17109

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	10:07
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17110

Project ID: WOOD GROUP
Client ID: 1192140922-25

P3-309 (0.5-0.75')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	10/01/14	I	E160.3
Extraction for PCB	Completed			10/01/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	1.7	mg/kg	10/02/14	AW	3540C/8082
PCB-1221	ND	1.7	mg/kg	10/02/14	AW	3540C/8082
PCB-1232	ND	1.7	mg/kg	10/02/14	AW	3540C/8082
PCB-1242	ND	1.7	mg/kg	10/02/14	AW	3540C/8082
PCB-1248	ND	1.7	mg/kg	10/02/14	AW	3540C/8082
PCB-1254	9.1	1.7	mg/kg	10/02/14	AW	3540C/8082
PCB-1260	ND	1.7	mg/kg	10/02/14	AW	3540C/8082
PCB-1262	ND	1.7	mg/kg	10/02/14	AW	3540C/8082
PCB-1268	ND	1.7	mg/kg	10/02/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	10/02/14	AW	30 - 150 %
% TCMX	Diluted Out		%	10/02/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-25

P3-309 (0.5-0.75')

Phoenix I.D.: BH17110

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	10:09
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17111

Project ID: WOOD GROUP
Client ID: 1192140922-26

P3-309 (0.75-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	10/03/14	I	E160.3
Extraction for PCB	Completed			10/06/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	1.8	mg/kg	10/07/14	AW	3540C/8082
PCB-1221	ND	1.8	mg/kg	10/07/14	AW	3540C/8082
PCB-1232	ND	1.8	mg/kg	10/07/14	AW	3540C/8082
PCB-1242	ND	1.8	mg/kg	10/07/14	AW	3540C/8082
PCB-1248	ND	1.8	mg/kg	10/07/14	AW	3540C/8082
PCB-1254	24	1.8	mg/kg	10/07/14	AW	3540C/8082
PCB-1260	ND	1.8	mg/kg	10/07/14	AW	3540C/8082
PCB-1262	ND	1.8	mg/kg	10/07/14	AW	3540C/8082
PCB-1268	ND	1.8	mg/kg	10/07/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	134		%	10/07/14	AW	30 - 150 %
% TCMX	93		%	10/07/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-26

P3-309 (0.75-1')

Phoenix I.D.: BH17111

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	10:14
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17112

Project ID: WOOD GROUP
Client ID: 1192140922-27 P3-310 (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	09/25/14	I	E160.3
Extraction for PCB	Completed			09/25/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	1.9	mg/kg	09/26/14	AW	3540C/8082
PCB-1221	ND	1.9	mg/kg	09/26/14	AW	3540C/8082
PCB-1232	ND	1.9	mg/kg	09/26/14	AW	3540C/8082
PCB-1242	ND	1.9	mg/kg	09/26/14	AW	3540C/8082
PCB-1248	ND	1.9	mg/kg	09/26/14	AW	3540C/8082
PCB-1254	5.4	1.9	mg/kg	09/26/14	AW	3540C/8082
PCB-1260	ND	1.9	mg/kg	09/26/14	AW	3540C/8082
PCB-1262	ND	1.9	mg/kg	09/26/14	AW	3540C/8082
PCB-1268	ND	1.9	mg/kg	09/26/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	09/26/14	AW	30 - 150 %
% TCMX	Diluted Out		%	09/26/14	AW	30 - 150 %

Project ID: WOOD GROUP

Client ID: 1192140922-27 P3-310 (0-0.5')

Phoenix I.D.: BH17112

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

October 07, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	10:16
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17113

Project ID: WOOD GROUP
Client ID: 1192140922-28

P3-310 (0.5-0.75')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	10/01/14	I	E160.3
Extraction for PCB	Completed			10/01/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.18	mg/kg	10/02/14	AW	3540C/8082
PCB-1221	ND	0.18	mg/kg	10/02/14	AW	3540C/8082
PCB-1232	ND	0.18	mg/kg	10/02/14	AW	3540C/8082
PCB-1242	ND	0.18	mg/kg	10/02/14	AW	3540C/8082
PCB-1248	ND	0.18	mg/kg	10/02/14	AW	3540C/8082
PCB-1254	1.8	0.18	mg/kg	10/02/14	AW	3540C/8082
PCB-1260	ND	0.18	mg/kg	10/02/14	AW	3540C/8082
PCB-1262	ND	0.18	mg/kg	10/02/14	AW	3540C/8082
PCB-1268	ND	0.18	mg/kg	10/02/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	78		%	10/02/14	AW	30 - 150 %
% TCMX	69		%	10/02/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-28

P3-310 (0.5-0.75')

Phoenix I.D.: BH17113

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 20, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	10:18
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17114

Project ID: WOOD GROUP
Client ID: 1192140922-29

P3-310 (0.75-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	10/09/14	X	E160.3
Extraction for PCB	Completed			10/09/14	PP/W	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	10/10/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	10/10/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	10/10/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	10/10/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	10/10/14	AW	3540C/8082
PCB-1254	1.4	0.35	mg/kg	10/10/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	10/10/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	10/10/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	10/10/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	114		%	10/10/14	AW	30 - 150 %
% TCMX	107		%	10/10/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-29

P3-310 (0.75-1')

Phoenix I.D.: BH17114

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 20, 2014
Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	10:30
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17115

Project ID: WOOD GROUP
Client ID: 1192140922-30 P3-311 (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	10/01/14	I	E160.3
Extraction for PCB	Completed			10/01/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	3.5	mg/kg	10/02/14	AW	3540C/8082
PCB-1221	ND	3.5	mg/kg	10/02/14	AW	3540C/8082
PCB-1232	ND	3.5	mg/kg	10/02/14	AW	3540C/8082
PCB-1242	ND	3.5	mg/kg	10/02/14	AW	3540C/8082
PCB-1248	ND	3.5	mg/kg	10/02/14	AW	3540C/8082
PCB-1254	33	3.5	mg/kg	10/02/14	AW	3540C/8082
PCB-1260	ND	3.5	mg/kg	10/02/14	AW	3540C/8082
PCB-1262	ND	3.5	mg/kg	10/02/14	AW	3540C/8082
PCB-1268	ND	3.5	mg/kg	10/02/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	10/02/14	AW	30 - 150 %
% TCMX	Diluted Out		%	10/02/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-30

P3-311 (0-0.5')

Phoenix I.D.: BH17115

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	10:32
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17116

Project ID: WOOD GROUP
Client ID: 1192140922-31

P3-311 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	10/03/14	I	E160.3
Extraction for PCB	Completed			10/03/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	3.4	mg/kg	10/06/14	AW	3540C/8082
PCB-1221	ND	3.4	mg/kg	10/06/14	AW	3540C/8082
PCB-1232	ND	3.4	mg/kg	10/06/14	AW	3540C/8082
PCB-1242	ND	3.4	mg/kg	10/06/14	AW	3540C/8082
PCB-1248	ND	3.4	mg/kg	10/06/14	AW	3540C/8082
PCB-1254	35	3.4	mg/kg	10/06/14	AW	3540C/8082
PCB-1260	ND	3.4	mg/kg	10/06/14	AW	3540C/8082
PCB-1262	ND	3.4	mg/kg	10/06/14	AW	3540C/8082
PCB-1268	ND	3.4	mg/kg	10/06/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	10/06/14	AW	30 - 150 %
% TCMX	Diluted Out		%	10/06/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-31 P3-311 (0.5-1')

Phoenix I.D.: BH17116

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	10:40
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17118

Project ID: WOOD GROUP
Client ID: 1192140922-33 P3-312 (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	10/01/14	I	E160.3
Extraction for PCB	Completed			10/01/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.034	mg/kg	10/02/14	AW	3540C/8082
PCB-1221	ND	0.034	mg/kg	10/02/14	AW	3540C/8082
PCB-1232	ND	0.034	mg/kg	10/02/14	AW	3540C/8082
PCB-1242	ND	0.034	mg/kg	10/02/14	AW	3540C/8082
PCB-1248	ND	0.034	mg/kg	10/02/14	AW	3540C/8082
PCB-1254	0.047	0.034	mg/kg	10/02/14	AW	3540C/8082
PCB-1260	ND	0.034	mg/kg	10/02/14	AW	3540C/8082
PCB-1262	ND	0.034	mg/kg	10/02/14	AW	3540C/8082
PCB-1268	ND	0.034	mg/kg	10/02/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	73		%	10/02/14	AW	30 - 150 %
% TCMX	62		%	10/02/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-33

P3-312 (0-0.5')

Phoenix I.D.: BH17118

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	10:50
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17121

Project ID: WOOD GROUP
Client ID: 1192140922-36 P3-313 (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	10/02/14	I	E160.3
Extraction for PCB	Completed			10/02/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	10/03/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	10/03/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	10/03/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	10/03/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	10/03/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	10/03/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	10/03/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	10/03/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	10/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	100		%	10/03/14	AW	30 - 150 %
% TCMX	92		%	10/03/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-36

P3-313 (0-0.5')

Phoenix I.D.: BH17121

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	11:00
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17124

Project ID: WOOD GROUP
Client ID: 1192140922-39 P3-314 (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	10/02/14	I	E160.3
Extraction for PCB	Completed			10/02/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	10/03/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	10/03/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	10/03/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	10/03/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	10/03/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	10/03/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	10/03/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	10/03/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	10/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	109		%	10/03/14	AW	30 - 150 %
% TCMX	113		%	10/03/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-39

P3-314 (0-0.5')

Phoenix I.D.: BH17124

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	11:10
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17127

Project ID: WOOD GROUP
Client ID: 1192140922-42 P1-233 (0-0.25')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	09/22/14	i	E160.3
Extraction for PCB	Completed			09/23/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	09/24/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	62		%	09/24/14	AW	30 - 150 %
% TCMX	59		%	09/24/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-42

P1-233 (0-0.25')

Phoenix I.D.: BH17127

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/22/14	11:12
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17128

Project ID: WOOD GROUP P1-234 (0-0.25')
Client ID: 1192140922-43

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	81		%	09/22/14	i	E160.3
Extraction for PCB	Completed			09/22/14	JP/XW	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	09/23/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	09/23/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	09/23/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	09/23/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	09/23/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	09/23/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	09/23/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	09/23/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	09/23/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	67		%	09/23/14	AW	30 - 150 %
% TCMX	63		%	09/23/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1192140922-43

P1-234 (0-0.25')

Phoenix I.D.: BH17128

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	LK	09/22/14	11:15
Location Code:	F&O-PCB	Received by:	LK	09/22/14	11:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH17086
Phoenix ID: BH17129

Project ID: WOOD GROUP
Client ID: 1192140922-44

Equipment Blank

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB Extraction (2 Liter)	Completed			09/22/14	L	SW3510
Polychlorinated Biphenyls						
PCB-1016	ND	0.10	ug/L	09/23/14	AW	8082
PCB-1221	ND	0.10	ug/L	09/23/14	AW	8082
PCB-1232	ND	0.10	ug/L	09/23/14	AW	8082
PCB-1242	ND	0.10	ug/L	09/23/14	AW	8082
PCB-1248	ND	0.10	ug/L	09/23/14	AW	8082
PCB-1254	ND	0.10	ug/L	09/23/14	AW	8082
PCB-1260	ND	0.10	ug/L	09/23/14	AW	8082
PCB-1262	ND	0.10	ug/L	09/23/14	AW	8082
PCB-1268	ND	0.10	ug/L	09/23/14	AW	8082
QA/QC Surrogates						
% DCBP	55		%	09/23/14	AW	30 - 150 %
% TCMX	54		%	09/23/14	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

November 20, 2014

QA/QC Data

SDG I.D.: GBH17086

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 286869, QC Sample No: BH15675 (BH17129)									
Polychlorinated Biphenyls - Water									
PCB-1016	ND	92	91	1.1				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	102	92	10.3				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	85	97	86	12.0				30 - 150	20
% TCMX (Surrogate Rec)	83	64	70	9.0				30 - 150	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 286986, QC Sample No: BH17095 (BH17086, BH17089, BH17092, BH17095, BH17098, BH17099, BH17102, BH17127, BH17128)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	87	88	1.1				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	95	95	0.0				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	96	94	95	1.1				30 - 150	30
% TCMX (Surrogate Rec)	84	79	83	4.9				30 - 150	30

Comment:

MS/MSD could not be reported due to PCBs in the unspiked sample . -aw

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 287342, QC Sample No: BH17109 (BH17096, BH17097, BH17100, BH17106, BH17109, BH17112)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	93	104	11.2				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	99	105	5.9				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30

QA/QC Data

SDG I.D.: GBH17086

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% DCBP (Surrogate Rec)	102	102	105	2.9				30 - 150	30
% TCMX (Surrogate Rec)	85	85	92	7.9				30 - 150	30

Comment:

MS/MSD could not be reported for this batch due to pcb in the unspiked sample.

QA/QC Batch 288142, QC Sample No: BH17116 (BH17108, BH17111, BH17116)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	96	91	5.3				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	98	96	2.1				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	89	96	95	1.0				30 - 150	30
% TCMX (Surrogate Rec)	78	93	85	9.0				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 287760, QC Sample No: BH21261 (BH17103, BH17107, BH17110, BH17113, BH17115, BH17118)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	82	85	3.6				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	94	99	5.2				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	99	99	102	3.0				30 - 150	30
% TCMX (Surrogate Rec)	84	78	83	6.2				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 287862, QC Sample No: BH21994 (BH17121, BH17124)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	77	75	2.6	88	91	3.4	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	88	86	2.3	83	88	5.8	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	83	101	100	1.0	81	90	10.5	30 - 150	30
% TCMX (Surrogate Rec)	61	73	72	1.4	84	88	4.7	30 - 150	30

QA/QC Batch 288573, QC Sample No: BH24655 (BH17114)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	89	91	2.2				40 - 140	30

QA/QC Data

SDG I.D.: GBH17086

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	91	93	2.2				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	94	90	97	7.5				30 - 150	30
% TCMX (Surrogate Rec)	88	89	97	8.6				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
November 20, 2014

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): BH17086, BH17087, BH17088, BH17089, BH17090, BH17091, BH17092, BH17093, BH17094, BH17095, BH17096, BH17097, BH17098, BH17099, BH17100, BH17101, BH17102, BH17103, BH17104, BH17105, BH17106, BH17107, BH17108, BH17109, BH17110, BH17111, BH17112, BH17113, BH17114, BH17115, BH17116, BH17117, BH17118, BH17119, BH17120, BH17121, BH17122, BH17123, BH17124, BH17125, BH17126, BH17127, BH17128, BH17129

Sampling Date(s): 9/22/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☐ Yes ☑ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Thursday, November 20, 2014

Printed Name: Ethan Lee

Position: Project Manager

Nov 2007

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

November 20, 2014

SDG I.D.: GBH17086

Due to the concentration of PCB in several of the samples, not all of the requested criteria could be achieved.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 10/03/14-1 (BH17121, BH17124)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 10/3/2014

Instrument: Au-ecd24 09/23/14-1 (BH17095, BH17098, BH17099)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 9/23/2014

Instrument: Au-ecd24 09/26/14-1 (BH17106, BH17109, BH17112)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 9/26/2014

Instrument: Au-ecd29 09/23/14-1 (BH17086, BH17089, BH17092, BH17102)

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

November 20, 2014

SDG I.D.: GBH17086

Printed Name Adam Werner
Position: Chemist
Date: 9/23/2014

Instrument: Au-ecd29 10/02/14-1 (BH17097)

Printed Name Adam Werner
Position: Chemist
Date: 10/2/2014

Instrument: Au-ecd29 10/06/14-1 (BH17116)

Printed Name Adam Werner
Position: Chemist
Date: 10/6/2014

Instrument: Au-ecd3 09/23/14-1 (BH17129)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 9/23/2014

Instrument: Au-ecd3 09/24/14-1 (BH17127)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 9/24/2014

Instrument: Au-ecd3 09/26/14-1 (BH17109)

8082 Narration:

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

November 20, 2014

SDG I.D.: GBH17086

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 9/26/2014

Instrument: Au-ecd3 10/06/14-1 (BH17108, BH17111)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 10/6/2014

Instrument: Au-ecd3 10/07/14-1 (BH17111)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 10/7/2014

Instrument: Au-ecd48 09/26/14-1 (BH17096, BH17097, BH17100)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 9/26/2014

Instrument: Au-ecd48 10/10/14-1 (BH17114)

8082 Narration:

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

November 20, 2014

SDG I.D.: GBH17086

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 10/10/2014

Instrument: Au-ecd5 09/24/14-1 (BH17095)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 9/24/2014

Instrument: Au-ecd5 10/02/14-1 (BH17103, BH17107, BH17110, BH17113, BH17115, BH17118)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 10/2/2014

Instrument: Au-ecd6 09/23/14-1 (BH17095, BH17128)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 9/23/2014

Instrument: Au-ecd8 10/06/14-1 (BH17116)

8082 Narration:

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

November 20, 2014

SDG I.D.: GBH17086

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 10/6/2014

QC Comments: QC Batch 286869 09/19/14 (BH17129)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC Comments: QC Batch 286986 09/22/14 (BH17086, BH17089, BH17092, BH17095, BH17098, BH17099, BH17102, BH17127, BH17128)

MS/MSD could not be reported due to PCBs in the unspiked sample . -aw

QC Comments: QC Batch 287342 09/25/14 (BH17096, BH17097, BH17100, BH17106, BH17109, BH17112)

MS/MSD could not be reported for this batch due to pcb in the unspiked sample.

QC Comments: QC Batch 287760 09/30/14 (BH17103, BH17107, BH17110, BH17113, BH17115, BH17118)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC Comments: QC Batch 288142 10/03/14 (BH17108, BH17111, BH17116)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC Comments: QC Batch 288573 10/08/14 (BH17114)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

November 20, 2014

SDG I.D.: GBH17086

QC (Site Specific)

---------- Sample No: BH17095, QA/QC Batch: 286986 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BH17109, QA/QC Batch: 287342 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BH17116, QA/QC Batch: 288142 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

QC (Batch Specific)

---------- Sample No: BH15675, QA/QC Batch: 286869 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

---------- Sample No: BH21261, QA/QC Batch: 287760 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BH21994, QA/QC Batch: 287862 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

November 20, 2014

SDG I.D.: GBH17086

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BH24655, QA/QC Batch: 288573 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 1C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

1°w/ice

CHAIN-OF-CUSTODY RECORD 33111

Turnaround
☐ 24-Hour* ☒ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Wood Grove	Windsor Locks, CT	20051184.E73	Phoenix

Report To: Kevin VanderVeer, F&O
Invoice To: ↓
P.O. No.:
Sampler's Signature: Karen Kosta Date: 9/22/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (soxhlet)	Hold	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber (____) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ml ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
01					1192140922-01	S	9/22/14	0816	X				1									17086
02					-02			0812		X			1									17087
03					-03			0814		X			1									17088
04					-04			0818	X				1									17089
05					-05			0820		X			1									17090
06					-06			0822		X			1									17091
07					-07			0830	X				1									17092
08					-08			0832		X			1									17093
09					-09			0834		X			1									17094
10					-10			0842	X				3				17095					MS/MSD

Transfer Number	Relinquished By	Accepted By	Date	Time
1	K. Kosta	Charadine	9/22/14	1149
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☒ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
~~GA~~ Res DEC

Additional Comments:
PCB RL < 0.06 ppm (See Bobbi or Greg)

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

1 w/CHCC

CHAIN-OF-CUSTODY RECORD 33112

Turnaround
☐ 24-Hour* ☒ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ~~☐ Standard (15 days)~~ *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Wood Group	Windsor Locks, CT	20051184.R73	Phoenix

Report To: Kevin Vandeveer (F+O)
Invoice To: ↓
P.O. No.:
Sampler's Signature: Lauren Kaskel Date: 9/22/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs / Soxhlet	HOLD	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water	Glass Soil Container (4) oz ☐ $Na(SO_4)_2$	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
11					1192140922 - 11	S	9/22/14	0844		X			1									17096
12					- 12			0846		X			1									17097
13					- 13			0854	X				1									17098
14					- 14			0855	X				1				17099					no charge
15					- 15			0856		X			1									17100
16					- 16			0858		X			1									17101
17					- 17			0910	X				1									17102
18					- 18			0916		X			1									17103
19					- 19			0918		X			1									17104
20					- 20			0920		X			1									17105

Transfer Number	Relinquished By	Accepted By	Date	Time
1	L. Kaskel	Claradise	9/22/14	1149
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☒ QA/QC ☐ Other _____
1 Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
Res DEC

Additional Comments:
PCB RL < 0.06 ppm (see Bobbi or Greg)

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☐ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

1°W/ice

CHAIN-OF-CUSTODY RECORD 33113

Turnaround
☐ 24-Hour* ☒ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 20051184.R73
LABORATORY: Phoenix

REPORT TO: Kevin Vandenveer, F&O
INVOICE TO:
P.O. NO.:
Sampler's Signature: Lauren Kastat Date: 9/22/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	Hold	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber (___) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ml ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
21					1192140922-21	S	9/22/14	0952	X			1									17106
22					-22			0954	X			1									17107
23					-23			0956	X			1									17108
24					-24			1005	X			1									17109
25					-25			1007	X			1									17110
26					-26			1009	X			1									17111
27					-27			1014	X			1									17112
28					-28			1016	X			1									17113
29					-29			1018	X			1									17114
30					-30			1036	X			1									17115

Transfer Number	Relinquished By	Accepted By	Date	Time
1	L. Kastat	Claradine	9/22/14	1149
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
RES DEC

Additional Comments:

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

1° w/c ice

CHAIN-OF-CUSTODY RECORD 33114

Turnaround
☐ 24-Hour* ☒ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Wood Group	Windsor Locks, CT	20051184.R73	Phoenix

Report To: Kevin Vandeneer (F+O)
Invoice To: ↓
P.O. No.:
Sampler's Signature: Lauren Kastak Date: 9/22/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	HOLD	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water	Glass Soil Container (4) oz ☐ $Na(SO_4)_2$	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is	Plastic - As is, ☐ 250 ml	Plastic - H_2SO_4, ☐ 250 ml	Plastic - HNO_3, 250 ml	Plastic - NaOH, 250 ml	☐ Filtered ☐ 0.45μ ☐ 10μ	Comments
31					1192140922-31	S	9/22/14	1032	X			1										17116
32					-32			1034				1										17117
33					-33			1040				1										17118
34					-34			1042				1										17119
35					-35			1044				1										17120
36					-36			1050				1										17121
37					-37			1052				1										17122
38					-38			1054				1										17123
39					-39			1100				1										17124
40					-40			1102				1										17125

Transfer Number	Relinquished By	Accepted By	Date	Time
1	L. Kastak	Paradise	9/22/14	1149
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☒ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
Res DEC

Additional Comments:

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☐ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

1° N/C rice

CHAIN-OF-CUSTODY RECORD 33115

Turnaround
☐ 24-Hour* ☒ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Wood Group	Windsor Locks, CT	20051184.R73	Phoenix

REPORT TO: Kevin Vanderveer, F&O
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: Lauren Kahn Date: 9/22/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other Equipment Blank

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)	Hold	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber (1000) ml, ☒ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
41					1192140922-41	S	9/22/14	1104		X			1									17126
42					-42			1110	X				1									17127
43					-43			1112	X				1									17128
44					-44	X		1115	X								1					17129

Transfer Number	Relinquished By	Accepted By	Date	Time
1	L. Kastane	Paradise	9/22/14	1149
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
Res DEC

Additional Comments:

PHOENIX
Environmental Laboratories, Inc.

Tuesday, October 07, 2014

Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BH19255 - BH19256, BH19258 - BH19260, BH19262, BH19265, BH19268 - BH19274

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

REVIEWED **DMS**
By pbibeau at 9:52 am, Oct 07, 2014

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/25/14	9:15
Location Code:	F&O-PCB	Received by:	LK	09/25/14	14:33
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH19255
Phoenix ID: BH19255

Project ID: WOOD GROUP
Client ID: 1218140925-01 P1-235 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	09/25/14	I	E160.3
Extraction for PCB	Completed			09/25/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1254	1.1	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	114		%	09/26/14	AW	30 - 150 %
% TCMX	97		%	09/26/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140925-01

P1-235 (0.5-1')

Phoenix I.D.: BH19255

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/25/14	9:20
Location Code:	F&O-PCB	Received by:	LK	09/25/14	14:33
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH19255
Phoenix ID: BH19256

Project ID: WOOD GROUP
Client ID: 1218140925-02 P1-235 (1-2')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	10/01/14	I	E160.3
Extraction for PCB	Completed			10/01/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	10/02/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	10/02/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	10/02/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	10/02/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	10/02/14	AW	3540C/8082
PCB-1254	0.57	0.35	mg/kg	10/02/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	10/02/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	10/02/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	10/02/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	106		%	10/02/14	AW	30 - 150 %
% TCMX	98		%	10/02/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140925-02

P1-235 (1-2')

Phoenix I.D.: BH19256

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/25/14	9:45
Location Code:	F&O-PCB	Received by:	LK	09/25/14	14:33
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH19255
Phoenix ID: BH19258

Project ID: WOOD GROUP
Client ID: 1218140925-04 P1-229 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	09/25/14	I	E160.3
Extraction for PCB	Completed			09/25/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1248	1.1	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	105		%	09/26/14	AW	30 - 150 %
% TCMX	94		%	09/26/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140925-04

P1-229 (0.5-1')

Phoenix I.D.: BH19258

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/25/14	9:46
Location Code:	F&O-PCB	Received by:	LK	09/25/14	14:33
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH19255
Phoenix ID: BH19259

Project ID: WOOD GROUP
Client ID: 1218140925-05

P1-229 (0.5-1') Field Duplicate

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	09/25/14	I	E160.3
Extraction for PCB	Completed			09/25/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1248	0.99	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	102		%	09/26/14	AW	30 - 150 %
% TCMX	88		%	09/26/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140925-05

P1-229 (0.5-1') Field Duplicate

Phoenix I.D.: BH19259

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/25/14	9:50
Location Code:	F&O-PCB	Received by:	LK	09/25/14	14:33
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH19255
Phoenix ID: BH19260

Project ID: WOOD GROUP
Client ID: 1218140925-06 P1-229 (1-2')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	10/01/14	I	E160.3
Extraction for PCB	Completed			10/01/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	10/02/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	10/02/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	10/02/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	10/02/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	10/02/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	10/02/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	10/02/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	10/02/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	10/02/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	96		%	10/02/14	AW	30 - 150 %
% TCMX	86		%	10/02/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140925-06

P1-229 (1-2')

Phoenix I.D.: BH19260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/25/14	10:00
Location Code:	F&O-PCB	Received by:	LK	09/25/14	14:33
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH19255
Phoenix ID: BH19262

Project ID: WOOD GROUP
Client ID: 1218140925-08 P1-230 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	09/25/14	I	E160.3
Extraction for PCB	Completed			09/25/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	98		%	09/26/14	AW	30 - 150 %
% TCMX	98		%	09/26/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140925-08

P1-230 (0.5-1')

Phoenix I.D.: BH19262

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/25/14	10:20
Location Code:	F&O-PCB	Received by:	LK	09/25/14	14:33
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH19255
Phoenix ID: BH19265

Project ID: WOOD GROUP
Client ID: 1218140925-11

P1-231 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	09/25/14	I	E160.3
MS/MSD Ext. For PCB	Completed			09/26/14		
Extraction for PCB	Completed			09/25/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1254	0.52	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	09/26/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	101		%	09/26/14	AW	30 - 150 %
% TCMX	106		%	09/26/14	AW	30 - 150 %
QC for PCB				09/26/14	AW	

Project ID: WOOD GROUP
Client ID: 1218140925-11

P1-231 (0.5-1')

Phoenix I.D.: BH19265

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/25/14	10:55
Location Code:	F&O-PCB	Received by:	LK	09/25/14	14:33
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH19255
Phoenix ID: BH19268

Project ID: WOOD GROUP
Client ID: 1218140925-14

P1-105B (2-3')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	09/25/14	I	E160.3
Extraction for PCB	Completed			09/25/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1221	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1232	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1242	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1248	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1254	4.5	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1260	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1262	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
PCB-1268	ND	1.7	mg/kg	09/26/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	09/26/14	AW	30 - 150 %
% TCMX	Diluted Out		%	09/26/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140925-14

P1-105B (2-3')

Phoenix I.D.: BH19268

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/25/14	10:59
Location Code:	F&O-PCB	Received by:	LK	09/25/14	14:33
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH19255
Phoenix ID: BH19269

Project ID: WOOD GROUP
Client ID: 1218140925-15 P1-105B (3-4')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	09/25/14	I	E160.3
Extraction for PCB	Completed			09/25/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	96		%	09/26/14	AW	30 - 150 %
% TCMX	91		%	09/26/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140925-15

P1-105B (3-4')

Phoenix I.D.: BH19269

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/25/14	11:03
Location Code:	F&O-PCB	Received by:	LK	09/25/14	14:33
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH19255
Phoenix ID: BH19270

Project ID: WOOD GROUP
Client ID: 1218140925-16

P1-105B (4-5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	09/25/14	I	E160.3
Extraction for PCB	Completed			10/01/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	10/02/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	10/02/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	10/02/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	10/02/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	10/02/14	AW	3540C/8082
PCB-1254	3.8	0.34	mg/kg	10/02/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	10/02/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	10/02/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	10/02/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	95		%	10/02/14	AW	30 - 150 %
% TCMX	89		%	10/02/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140925-16

P1-105B (4-5')

Phoenix I.D.: BH19270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/25/14	11:08
Location Code:	F&O-PCB	Received by:	LK	09/25/14	14:33
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH19255
Phoenix ID: BH19271

Project ID: WOOD GROUP
Client ID: 1218140925-17

P1-105B (5-6')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	10/01/14	I	E160.3
Extraction for PCB	Completed			10/01/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	10/02/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	10/02/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	10/02/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	10/02/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	10/02/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	10/02/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	10/02/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	10/02/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	10/02/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	100		%	10/02/14	AW	30 - 150 %
% TCMX	88		%	10/02/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140925-17

P1-105B (5-6')

Phoenix I.D.: BH19271

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/25/14	11:12
Location Code:	F&O-PCB	Received by:	LK	09/25/14	14:33
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH19255
Phoenix ID: BH19272

Project ID: WOOD GROUP
Client ID: 1218140925-18

P1-105B (6-7')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	10/02/14	I	E160.3
Extraction for PCB	Completed			10/02/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	10/03/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	10/03/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	10/03/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	10/03/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	10/03/14	AW	3540C/8082
PCB-1254	1.3	0.34	mg/kg	10/03/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	10/03/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	10/03/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	10/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	101		%	10/03/14	AW	30 - 150 %
% TCMX	87		%	10/03/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140925-18

P1-105B (6-7')

Phoenix I.D.: BH19272

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/25/14	11:16
Location Code:	F&O-PCB	Received by:	LK	09/25/14	14:33
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH19255
Phoenix ID: BH19273

Project ID: WOOD GROUP
Client ID: 1218140925-19

P1-105B (7-8')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	10/02/14	I	E160.3
Extraction for PCB	Completed			10/02/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	10/03/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	10/03/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	10/03/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	10/03/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	10/03/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	10/03/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	10/03/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	10/03/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	10/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	103		%	10/03/14	AW	30 - 150 %
% TCMX	84		%	10/03/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140925-19

P1-105B (7-8')

Phoenix I.D.: BH19273

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 07, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	LK	09/25/14	11:40
Location Code:	F&O-PCB	Received by:	LK	09/25/14	14:33
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH19255
Phoenix ID: BH19274

Project ID: WOOD GROUP
Client ID: 1218140925-20

P1-232 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	09/25/14	I	E160.3
Extraction for PCB	Completed			09/25/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	09/26/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	96		%	09/26/14	AW	30 - 150 %
% TCMX	88		%	09/26/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1218140925-20

P1-232 (0.5-1')

Phoenix I.D.: BH19274

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 07, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

October 07, 2014

QA/QC Data

SDG I.D.: GBH19255

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 287342, QC Sample No: BH17109 (BH19274)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	93	104	11.2				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	99	105	5.9				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	102	102	105	2.9				30 - 150	30
% TCMX (Surrogate Rec)	85	85	92	7.9				30 - 150	30
Comment:									
MS/MSD could not be reported for this batch due to pcb in the unspiked sample.									
QA/QC Batch 287329, QC Sample No: BH19265 (BH19255, BH19258, BH19259, BH19262, BH19265, BH19268, BH19269, BH19270)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	92	94	2.2	101	103	2.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	91	93	2.2	93	93	0.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	90	95	94	1.1	84	90	6.9	30 - 150	30
% TCMX (Surrogate Rec)	88	99	99	0.0	92	96	4.3	30 - 150	30
QA/QC Batch 288005, QC Sample No: BH19273 (BH19272, BH19273)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	88	85	3.5	79	81	2.5	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	91	90	1.1	83	88	5.8	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	91	90	97	7.5	81	91	11.6	30 - 150	30
% TCMX (Surrogate Rec)	83	89	91	2.2	79	78	1.3	30 - 150	30

QA/QC Data

SDG I.D.: GBH19255

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 287760, QC Sample No: BH21261 (BH19256, BH19260, BH19271)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	82	85	3.6				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	94	99	5.2				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	99	99	102	3.0				30 - 150	30
% TCMX (Surrogate Rec)	84	78	83	6.2				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
October 07, 2014

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): BH19255, BH19256, BH19257, BH19258, BH19259, BH19260, BH19261, BH19262, BH19263, BH19264, BH19265, BH19266, BH19267, BH19268, BH19269, BH19270, BH19271, BH19272, BH19273, BH19274, BH19275, BH19276, BH19277

Sampling Date(s): 9/25/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Date: Tuesday, October 07, 2014

Authorized Signature: Ethan Lee

Printed Name: Ethan Lee

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

October 07, 2014

SDG I.D.: GBH19255

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 10/03/14-1 (BH19272, BH19273)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 10/3/2014

Instrument: Au-ecd29 09/26/14-1 (BH19262, BH19265, BH19268, BH19269, BH19270, BH19274)

Printed Name Adam Werner
Position: Chemist
Date: 9/26/2014

Instrument: Au-ecd29 10/02/14-1 (BH19270)

Printed Name Adam Werner
Position: Chemist
Date: 10/2/2014

Instrument: Au-ecd5 09/26/14-1 (BH19265, BH19268)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 9/26/2014

Instrument: Au-ecd5 10/02/14-1 (BH19256, BH19260, BH19271)

8082 Narration:

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

October 07, 2014

SDG I.D.: GBH19255

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 10/2/2014

Instrument: Au-ecd5 10/03/14-1 (BH19273)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 10/3/2014

Instrument: Au-ecd8 09/26/14-1 (BH19255, BH19258, BH19259)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 9/26/2014

QC Comments: QC Batch 287342 09/25/14 (BH19274)

MS/MSD could not be reported for this batch due to pcb in the unspiked sample.

QC Comments: QC Batch 287760 09/30/14 (BH19256, BH19260, BH19271)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

October 07, 2014

SDG I.D.: GBH19255

QC (Site Specific)

---------- Sample No: BH19265, QA/QC Batch: 287329 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BH19273, QA/QC Batch: 288005 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BH17109, QA/QC Batch: 287342 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BH21261, QA/QC Batch: 287760 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

October 07, 2014

SDG I.D.: GBH19255

Temperature Narration

The samples were received at 3C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

3 cwic 'D

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

CHAIN-OF-CUSTODY RECORD 31793

Turnaround
☐ 24-Hour* ☒ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Wood Group	Windsor Locks, CT	20051184.R73	Phoenix

REPORT TO: Kevin Vanderveer (FTO)
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: Karen Kastel Date: 9/25/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs / Soxhlet	HOLD	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
01					1218140925-01	S	9/25/14	0915	X				1				19255					
02					-02			0920		X			1				19256					
03					-03			0925		X			1				19257					
04					-04			0945	X				1				19258					
05					-05			0946	X				1				19259					no charge
06					-06			0950		X			1				19260					
07					-07			0954		X			1				19261					
08					-08			1000	X				1				19262					
09					-09			1004		X			1				19263					
10					-10			1008		X			1				19264					

Transfer Number	Relinquished By	Accepted By	Date	Time
1	K. Kastel	[signature]	9/25/14	4:33
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☒ QA/QC ☐ Other _____
1 Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
ResDEC

Additional Comments:

3 awk
10

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

CHAIN-OF-CUSTODY RECORD 31792

Turnaround
☐ 24-Hour* ☒ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Wood Group	Windsor Locks, CT	20051184.R73	Phoenix

REPORT TO: Kevin Vanderveer (F+O)
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: Lauren Kastak Date: 9/25/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs / Soxhlet	HOLD	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45µ ☐ 10µ	Plastic - NaOH, 250 ml	Comments
11					1218140925-11	S	9/25/14	1020	X				3				19265				MS/MSD
12					-12			1025		X			1				19266				
13					-13			1030		X			1				19267				
14					-14			1055	X								19268				
15					-15			1059	X								19269				
16					-16			1103	X								19270				
17					-17			1108		X							19271				
18					-18			1112		X							19272				
19					-19			1116		X							19273				
20					-20			1140	X								19274				

Transfer Number	Relinquished By	Accepted By	Date	Time
1	L. Kastak	[signature]	9/25/14	14:33
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☒ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
ResDEC

Additional Comments:

3 cwk
1r

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

CHAIN-OF-CUSTODY RECORD 31789

Turnaround
☐ 24-Hour* ☒ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Wood Group	Windsor Locks, CT	20051184.R73	Phoenix

REPORT TO: Kevin Vanderveer (F+O)
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: Lauren Kostak Date: 9/25/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other decontamination water

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs/Soxhlet	HOLD	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ $Na(SO_4)_2$	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber (1000) ml, ☒ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
21					1218140925 - 21	S	9/25/14	1150		X			1									19275
22					↓ - 22	↓	↓	1154		X			1									19276
23					↓ - 23	X	↓	1300		X							2					19277
~~24~~					~~↓ - 24~~																	

Transfer Number	Relinquished By	Accepted By	Date	Time
1	L. Kostak	[signature]	9/25/14	14:33
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☒ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)
Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
ResDEC
Additional Comments:

PHOENIX
Environmental Laboratories, Inc.

Tuesday, October 21, 2014

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BH27349 - BH27351, BH27353 - BH27354, BH27356 - BH27357, BH27359 - BH27363, BH27365

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

REVIEWED DMS
By pbibeau at 2:34 pm, Oct 22, 2014

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 21, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:		10/14/14	14:00
Location Code:	F&O-PCB	Received by:	LB	10/14/14	16:35
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH27349
Phoenix ID: BH27349

Project ID: WOOD GROUP P1-C458 (0-0.04')
Client ID: 1251141014-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	10/14/14	I	E160.3
Extraction for PCB	Completed			10/14/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	10/15/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	10/15/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	10/15/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	10/15/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	10/15/14	AW	3540C/8082
PCB-1254	0.86	0.33	mg/kg	10/15/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	10/15/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	10/15/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	10/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	104		%	10/15/14	AW	30 - 150 %
% TCMX	100		%	10/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1251141014-01

P1-C458 (0-0.04')

Phoenix I.D.: BH27349

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 21, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 21, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/14/14	14:20
Location Code:	F&O-PCB	Received by:	LB	10/14/14	16:35
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH27349
Phoenix ID: BH27350

Project ID: WOOD GROUP
Client ID: 1251141014-02

P3-315 (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	10/14/14	I	E160.3
MS/MSD Ext. For PCB	Completed			10/15/14		
Extraction for PCB	Completed			10/14/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	113		%	10/15/14	AW	30 - 150 %
% TCMX	99		%	10/15/14	AW	30 - 150 %
QC for PCB				10/15/14	AW	

Project ID: WOOD GROUP
Client ID: 1251141014-02 P3-315 (0-0.5')

Phoenix I.D.: BH27350

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 21, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 21, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/14/14	14:25
Location Code:	F&O-PCB	Received by:	LB	10/14/14	16:35
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH27349
Phoenix ID: BH27351

Project ID: WOOD GROUP
Client ID: 1251141014-03

P3-315 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	10/14/14	I	E160.3
Extraction for PCB	Completed			10/14/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	100		%	10/15/14	AW	30 - 150 %
% TCMX	91		%	10/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1251141014-03

P3-315 (0.5-1')

Phoenix I.D.: BH27351

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 21, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 21, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/14/14	14:35
Location Code:	F&O-PCB	Received by:	LB	10/14/14	16:35
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH27349
Phoenix ID: BH27353

Project ID: WOOD GROUP
Client ID: 1251141014-05

P3-316 (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	79		%	10/14/14	I	E160.3
Extraction for PCB	Completed			10/14/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.42	mg/kg	10/15/14	AW	3540C/8082
PCB-1221	ND	0.42	mg/kg	10/15/14	AW	3540C/8082
PCB-1232	ND	0.42	mg/kg	10/15/14	AW	3540C/8082
PCB-1242	ND	0.42	mg/kg	10/15/14	AW	3540C/8082
PCB-1248	ND	0.42	mg/kg	10/15/14	AW	3540C/8082
PCB-1254	ND	0.42	mg/kg	10/15/14	AW	3540C/8082
PCB-1260	ND	0.42	mg/kg	10/15/14	AW	3540C/8082
PCB-1262	ND	0.42	mg/kg	10/15/14	AW	3540C/8082
PCB-1268	ND	0.42	mg/kg	10/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	104		%	10/15/14	AW	30 - 150 %
% TCMX	86		%	10/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1251141014-05

P3-316 (0-0.5')

Phoenix I.D.: BH27353

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 21, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 21, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/14/14	14:40
Location Code:	F&O-PCB	Received by:	LB	10/14/14	16:35
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH27349
Phoenix ID: BH27354

Project ID: WOOD GROUP
Client ID: 1251141014-06

P3-316 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	77		%	10/14/14	I	E160.3
Extraction for PCB	Completed			10/14/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.43	mg/kg	10/15/14	AW	3540C/8082
PCB-1221	ND	0.43	mg/kg	10/15/14	AW	3540C/8082
PCB-1232	ND	0.43	mg/kg	10/15/14	AW	3540C/8082
PCB-1242	ND	0.43	mg/kg	10/15/14	AW	3540C/8082
PCB-1248	ND	0.43	mg/kg	10/15/14	AW	3540C/8082
PCB-1254	ND	0.43	mg/kg	10/15/14	AW	3540C/8082
PCB-1260	ND	0.43	mg/kg	10/15/14	AW	3540C/8082
PCB-1262	ND	0.43	mg/kg	10/15/14	AW	3540C/8082
PCB-1268	ND	0.43	mg/kg	10/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	114		%	10/15/14	AW	30 - 150 %
% TCMX	89		%	10/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1251141014-06

P3-316 (0.5-1')

Phoenix I.D.: BH27354

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 21, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 21, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/14/14	14:50
Location Code:	F&O-PCB	Received by:	LB	10/14/14	16:35
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH27349
Phoenix ID: BH27356

Project ID: WOOD GROUP
Client ID: 1251141014-08 P3-317 (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	10/14/14	I	E160.3
Extraction for PCB	Completed			10/14/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.37	mg/kg	10/15/14	AW	3540C/8082
PCB-1221	ND	0.37	mg/kg	10/15/14	AW	3540C/8082
PCB-1232	ND	0.37	mg/kg	10/15/14	AW	3540C/8082
PCB-1242	ND	0.37	mg/kg	10/15/14	AW	3540C/8082
PCB-1248	ND	0.37	mg/kg	10/15/14	AW	3540C/8082
PCB-1254	ND	0.37	mg/kg	10/15/14	AW	3540C/8082
PCB-1260	ND	0.37	mg/kg	10/15/14	AW	3540C/8082
PCB-1262	ND	0.37	mg/kg	10/15/14	AW	3540C/8082
PCB-1268	ND	0.37	mg/kg	10/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	101		%	10/15/14	AW	30 - 150 %
% TCMX	88		%	10/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1251141014-08

P3-317 (0-0.5')

Phoenix I.D.: BH27356

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 21, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 21, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/14/14	14:55
Location Code:	F&O-PCB	Received by:	LB	10/14/14	16:35
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH27349
Phoenix ID: BH27357

Project ID: WOOD GROUP
Client ID: 1251141014-09 P3-317 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	10/14/14	I	E160.3
Extraction for PCB	Completed			10/14/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	10/15/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	10/15/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	10/15/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	10/15/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	10/15/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	10/15/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	10/15/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	10/15/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	10/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	109		%	10/15/14	AW	30 - 150 %
% TCMX	90		%	10/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1251141014-09

P3-317 (0.5-1')

Phoenix I.D.: BH27357

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 21, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 21, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/14/14	15:05
Location Code:	F&O-PCB	Received by:	LB	10/14/14	16:35
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH27349
Phoenix ID: BH27359

Project ID: WOOD GROUP
Client ID: 1251141014-11 P3-318 (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	10/14/14	I	E160.3
Extraction for PCB	Completed			10/14/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.36	mg/kg	10/15/14	AW	3540C/8082
PCB-1221	ND	0.36	mg/kg	10/15/14	AW	3540C/8082
PCB-1232	ND	0.36	mg/kg	10/15/14	AW	3540C/8082
PCB-1242	ND	0.36	mg/kg	10/15/14	AW	3540C/8082
PCB-1248	ND	0.36	mg/kg	10/15/14	AW	3540C/8082
PCB-1254	0.96	0.36	mg/kg	10/15/14	AW	3540C/8082
PCB-1260	ND	0.36	mg/kg	10/15/14	AW	3540C/8082
PCB-1262	ND	0.36	mg/kg	10/15/14	AW	3540C/8082
PCB-1268	ND	0.36	mg/kg	10/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	96		%	10/15/14	AW	30 - 150 %
% TCMX	92		%	10/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1251141014-11 P3-318 (0-0.5')

Phoenix I.D.: BH27359

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 21, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 21, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/14/14	15:10
Location Code:	F&O-PCB	Received by:	LB	10/14/14	16:35
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH27349
Phoenix ID: BH27360

Project ID: WOOD GROUP
Client ID: 1251141014-12

P3-318 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	10/14/14	I	E160.3
Extraction for PCB	Completed			10/14/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1254	0.94	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	89		%	10/15/14	AW	30 - 150 %
% TCMX	93		%	10/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1251141014-12

P3-318 (0.5-1')

Phoenix I.D.: BH27360

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 21, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 21, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/14/14	15:15
Location Code:	F&O-PCB	Received by:	LB	10/14/14	16:35
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH27349
Phoenix ID: BH27361

Project ID: WOOD GROUP
Client ID: 1251141014-13

P3-318 (1-1.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	10/14/14	I	E160.3
Extraction for PCB	Completed			10/14/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	10/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	110		%	10/15/14	AW	30 - 150 %
% TCMX	79		%	10/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1251141014-13 P3-318 (1-1.5')

Phoenix I.D.: BH27361

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 21, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 21, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/14/14	15:20
Location Code:	F&O-PCB	Received by:	LB	10/14/14	16:35
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH27349
Phoenix ID: BH27362

Project ID: WOOD GROUP
Client ID: 1251141014-14 P3-319 (0-0.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	10/14/14	I	E160.3
Extraction for PCB	Completed			10/16/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	10/17/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	10/17/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	10/17/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	10/17/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	10/17/14	AW	3540C/8082
PCB-1254	0.88	0.35	mg/kg	10/17/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	10/17/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	10/17/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	10/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	88		%	10/17/14	AW	30 - 150 %
% TCMX	87		%	10/17/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1251141014-14 P3-319 (0-0.5')

Phoenix I.D.: BH27362

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 21, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 21, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/14/14	15:25
Location Code:	F&O-PCB	Received by:	LB	10/14/14	16:35
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH27349
Phoenix ID: BH27363

Project ID: WOOD GROUP
Client ID: 1251141014-15 P3-319 (0.5-1')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	10/14/14	I	E160.3
Extraction for PCB	Completed			10/14/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	10/15/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	10/15/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	10/15/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	10/15/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	10/15/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	10/15/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	10/15/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	10/15/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	10/15/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	88		%	10/15/14	AW	30 - 150 %
% TCMX	84		%	10/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1251141014-15

P3-319 (0.5-1')

Phoenix I.D.: BH27363

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 21, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 21, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WASTE WATER	Collected by:		10/14/14	15:45
Location Code:	F&O-PCB	Received by:	LB	10/14/14	16:35
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH27349
Phoenix ID: BH27365

Project ID: WOOD GROUP DECON-01
Client ID: 1251141014-17

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB Extraction	Completed			10/14/14	L/T	SW3510C
Polychlorinated Biphenyls						
PCB-1016	ND	1.7	ug/L	10/15/14	AW	E608
PCB-1221	ND	1.7	ug/L	10/15/14	AW	E608
PCB-1232	ND	1.7	ug/L	10/15/14	AW	E608
PCB-1242	ND	1.7	ug/L	10/15/14	AW	E608
PCB-1248	ND	1.7	ug/L	10/15/14	AW	E608
PCB-1254	ND	1.7	ug/L	10/15/14	AW	E608
PCB-1260	ND	1.7	ug/L	10/15/14	AW	E608
PCB-1262	ND	1.7	ug/L	10/15/14	AW	E608
PCB-1268	ND	1.7	ug/L	10/15/14	AW	E608
QA/QC Surrogates						
% DCBP	14		%	10/15/14	AW	30 - 150 % 3
% TCMX	48		%	10/15/14	AW	30 - 150 %

Project ID: WOOD GROUP
Client ID: 1251141014-17

Phoenix I.D.: BH27365

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

PCB Comment:
For PCBs, Due to sample matrix poor surrogate recovery was observed.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 21, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

October 21, 2014

QA/QC Data

SDG I.D.: GBH27349

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 289039, QC Sample No: BH26545 (BH27365)									
Polychlorinated Biphenyls - Waste Water									
PCB-1016	ND	100	95	5.1				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	99	100	1.0				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	104	100	99	1.0				30 - 150	20
% TCMX (Surrogate Rec)	87	87	73	17.5				30 - 150	20
Comment:									
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.									
QA/QC Batch 289173, QC Sample No: BH27350 (BH27349, BH27350, BH27351, BH27352, BH27353, BH27354, BH27355, BH27356, BH27357, BH27358, BH27359, BH27360, BH27361, BH27362, BH27363, BH27364)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	87	79	9.6	87	84	3.5	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	94	97	3.1	96	91	5.3	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	100	102	103	1.0	97	90	7.5	30 - 150	30
% TCMX (Surrogate Rec)	87	89	89	0.0	89	85	4.6	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
October 21, 2014

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): BH27349, BH27350, BH27351, BH27352, BH27353, BH27354, BH27355, BH27356, BH27357, BH27358, BH27359, BH27360, BH27361, BH27362, BH27363, BH27364, BH27365

Sampling Date(s): 10/14/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Section: PCB Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Date: Tuesday, October 21, 2014

Authorized Signature: Ethan Lee

Printed Name: Ethan Lee

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

October 21, 2014

SDG I.D.: GBH27349

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

BH27365 - The surrogate recovery exceeds the method criteria for %DCBP. The other surrogate recovery is acceptable, therefore no significant bias is suspected.

Instrument: Au-ecd3 10/15/14-1 (BH27349, BH27350, BH27351, BH27352, BH27353, BH27354, BH27355, BH27356, BH27357, BH27358, BH27359, BH27360, BH27361, BH27362, BH27363, BH27364)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 10/15/2014

Instrument: Au-ecd3 10/17/14-1 (BH27362)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 10/17/2014

Instrument: Au-ecd5 10/15/14-1 (BH27365)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 10/15/2014

Instrument: Au-ecd6 10/15/14-1 (BH27350)

8082 Narration:

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

October 21, 2014

SDG I.D.: GBH27349

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 10/15/2014

QC Comments: QC Batch 289039 10/13/14 (BH27365)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC (Site Specific)

---------- Sample No: BH27350, QA/QC Batch: 289173 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

QC (Batch Specific)

---------- Sample No: BH26545, QA/QC Batch: 289039 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

Temperature Narration

The samples were received at 4C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

October 21, 2014

SDG I.D.: GBH27349

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

4°W/C + IP

CHAIN-OF-CUSTODY RECORD 31947

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☒ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Wood Group
PROJECT LOCATION: Windsor Locks, CT
PROJECT NUMBER: 1996142.D20
LABORATORY: Phoenix

REPORT TO: Kevin Vandegweer (F&O)
INVOICE TO:
P.O. NO.:
Sampler's Signature:
Date: 10/14/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request: PCBs (Soxhlet)

Containers: Soil VOA Vial, ☐ methanol; Soil VOA Vial, ☐ water; ☐ $Na_2(SO_4)_2$; Glass Soil Container (4) oz; Other:; Other:; Water VOA Vial, ☐ As is ☐ HCl; Glass Amber (____) ml, ☐ As is ☐ H_2SO_4; Plastic - As is, ☐ 250 ml ☐ 500 ml ☐ 1000 ml; Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml; Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs (Soxhlet)	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water	☐ $Na_2(SO_4)_2$	Glass Soil Container (4) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber (____) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ml ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ	Plastic - NaOH, 250 ml	Comments
01					1251141014-01	C	10/14/14	1400	X				2					27349				
02					-02	S		1420					3					27350				MS/MSD
03					-03			1425					1					27351				
04					-04			1430										27352				
05					-05			1435										27353				
06					-06			1440										27354				
07					-07			1445										27355				
08					-08			1450										27356				
09					-09			1455										27357				
10					-10			1500										27358				

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	CParadise	10/14/14	1635
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
Res DEC

Additional Comments:
48-hr TAT

4°W/C HP

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

CHAIN-OF-CUSTODY RECORD 31948

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☒ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Wood Group	Windsor Locks, CT	1996142.D20	Phoenix

Report To: Kevin Vandervieer, (F&O)
Invoice To:
P.O. No.:
Sampler's Signature: [signature] Date: 10/14/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other WASTE WATER

Analysis Request: RCBs (Soxhlet)

Containers: Soil VOA Vial, ☐ methanol; Soil VOA Vial, ☐ water; Glass Soil Container (402); Other:; Other:; Water VOA Vial, ☐ As is ☐ HCl; Glass Amber (1000) ml, ☒ As is ☐ H_2SO_4; Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml; Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml; Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45µ ☐ 10µ; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	RCBs (Soxhlet)	Glass Soil Container (402)	Glass Amber (1000) ml	Comments
11					1251141014-11	S	10/14/14	1505	X	1		27359
12					-12			1510				27360
13					-13			1515				27361
14					-14			1520				27362
15					-15			1525				27363
16					-16			1530				27364
17					-17	X		1545			1	27365

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	Paradise	10/14/14	1635
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
Res DEC

Additional Comments:
48-hr TAT

PHOENIX
Environmental Laboratories, Inc.

Wednesday, November 19, 2014

Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: FORMER WOOD GROUP
Sample ID#s: BH39066 - BH39071, BH39073 - BH39074

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

REVIEWED **DMS**
By pbibeau at 11:54 am, Nov 19, 2014

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 19, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	DL	11/11/14	11:20
Location Code:	F&O-PCB	Received by:	LB	11/11/14	12:38
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH39066
Phoenix ID: BH39066

Project ID: FORMER WOOD GROUP
Client ID: 472141111-01

P3-308 (1-1.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	11/11/14	I	E160.3
Extraction for PCB	Completed			11/11/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	11/12/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	11/12/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	11/12/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	11/12/14	AW	3540C/8082
PCB-1248	1.7	0.35	mg/kg	11/12/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	11/12/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	11/12/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	11/12/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	11/12/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	106		%	11/12/14	AW	30 - 150 %
% TCMX	97		%	11/12/14	AW	30 - 150 %

Project ID: FORMER WOOD GROUP
Client ID: 472141111-01

P3-308 (1-1.5')

Phoenix I.D.: BH39066

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 19, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	DL	11/11/14	11:25
Location Code:	F&O-PCB	Received by:	LB	11/11/14	12:38
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH39066
Phoenix ID: BH39067

Project ID: FORMER WOOD GROUP P3-308 (2-3')
Client ID: 472141111-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	11/12/14	I	E160.3
Extraction for PCB	Completed			11/12/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	11/13/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	11/13/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	11/13/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	11/13/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	11/13/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	11/13/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	11/13/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	11/13/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	11/13/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	99		%	11/13/14	AW	30 - 150 %
% TCMX	84		%	11/13/14	AW	30 - 150 %

Project ID: FORMER WOOD GROUP
Client ID: 472141111-02

P3-308 (2-3')

Phoenix I.D.: BH39067

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 19, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	DL	11/11/14	11:40
Location Code:	F&O-PCB	Received by:	LB	11/11/14	12:38
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH39066
Phoenix ID: BH39068

Project ID: FORMER WOOD GROUP P3-309 (1-1.5')
Client ID: 472141111-03

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	11/11/14	I	E160.3
Extraction for PCB	Completed			11/11/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	11/12/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	11/12/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	11/12/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	11/12/14	AW	3540C/8082
PCB-1248	2.6	0.35	mg/kg	11/12/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	11/12/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	11/12/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	11/12/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	11/12/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	105		%	11/12/14	AW	30 - 150 %
% TCMX	93		%	11/12/14	AW	30 - 150 %

Project ID: FORMER WOOD GROUP
Client ID: 472141111-03

P3-309 (1-1.5')

Phoenix I.D.: BH39068

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 19, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	DL	11/11/14	11:45
Location Code:	F&O-PCB	Received by:	LB	11/11/14	12:38
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH39066
Phoenix ID: BH39069

Project ID: FORMER WOOD GROUP
Client ID: 472141111-04

P3-309 (2-4')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	11/12/14	I	E160.3
Extraction for PCB	Completed			11/12/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	11/13/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	11/13/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	11/13/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	11/13/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	11/13/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	11/13/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	11/13/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	11/13/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	11/13/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	102		%	11/13/14	AW	30 - 150 %
% TCMX	88		%	11/13/14	AW	30 - 150 %

Project ID: FORMER WOOD GROUP
Client ID: 472141111-04

P3-309 (2-4')

Phoenix I.D.: BH39069

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 19, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	DL	11/11/14	11:55
Location Code:	F&O-PCB	Received by:	LB	11/11/14	12:38
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH39066
Phoenix ID: BH39070

Project ID: FORMER WOOD GROUP
Client ID: 472141111-05

P3-311 (1-1.5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	11/11/14	I	E160.3
Extraction for PCB	Completed			11/11/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	18	mg/kg	11/12/14	AW	3540C/8082
PCB-1221	ND	18	mg/kg	11/12/14	AW	3540C/8082
PCB-1232	ND	18	mg/kg	11/12/14	AW	3540C/8082
PCB-1242	ND	18	mg/kg	11/12/14	AW	3540C/8082
PCB-1248	99	18	mg/kg	11/12/14	AW	3540C/8082
PCB-1254	ND	18	mg/kg	11/12/14	AW	3540C/8082
PCB-1260	ND	18	mg/kg	11/12/14	AW	3540C/8082
PCB-1262	ND	18	mg/kg	11/12/14	AW	3540C/8082
PCB-1268	ND	18	mg/kg	11/12/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	11/12/14	AW	30 - 150 %
% TCMX	Diluted Out		%	11/12/14	AW	30 - 150 %

Project ID: FORMER WOOD GROUP
Client ID: 472141111-05

P3-311 (1-1.5')

Phoenix I.D.: BH39070

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 19, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	DL	11/11/14	12:00
Location Code:	F&O-PCB	Received by:	LB	11/11/14	12:38
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH39066
Phoenix ID: BH39071

Project ID: FORMER WOOD GROUP
Client ID: 472141111-06

P3-311 (2-3')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	11/12/14	I	E160.3
Extraction for PCB	Completed			11/12/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	36	mg/kg	11/13/14	AW	3540C/8082
PCB-1221	ND	36	mg/kg	11/13/14	AW	3540C/8082
PCB-1232	ND	36	mg/kg	11/13/14	AW	3540C/8082
PCB-1242	ND	36	mg/kg	11/13/14	AW	3540C/8082
PCB-1248	ND	36	mg/kg	11/13/14	AW	3540C/8082
PCB-1254	310	36	mg/kg	11/13/14	AW	3540C/8082
PCB-1260	ND	36	mg/kg	11/13/14	AW	3540C/8082
PCB-1262	ND	36	mg/kg	11/13/14	AW	3540C/8082
PCB-1268	ND	36	mg/kg	11/13/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	11/13/14	AW	30 - 150 %
% TCMX	Diluted Out		%	11/13/14	AW	30 - 150 %

Project ID: FORMER WOOD GROUP
Client ID: 472141111-06

P3-311 (2-3')

Phoenix I.D.: BH39071

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 19, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	DL	11/11/14	12:05
Location Code:	F&O-PCB	Received by:	LB	11/11/14	12:38
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH39066
Phoenix ID: BH39073

Project ID: FORMER WOOD GROUP
Client ID: 472141111-08

P3-311 (3-5')

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	11/14/14	I	E160.3
Extraction for PCB	Completed			11/14/14	PP/XW	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	11/17/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	11/17/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	11/17/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	11/17/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	11/17/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	11/17/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	11/17/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	11/17/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	11/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	114		%	11/17/14	AW	30 - 150 %
% TCMX	106		%	11/17/14	AW	30 - 150 %

Project ID: FORMER WOOD GROUP
Client ID: 472141111-08

P3-311 (3-5')

Phoenix I.D.: BH39073

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 19, 2014

FOR: Attn: Mr. Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	DL	11/11/14	11:55
Location Code:	F&O-PCB	Received by:	LB	11/11/14	12:38
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20051184.R73				

Laboratory Data

SDG ID: GBH39066
Phoenix ID: BH39074

Project ID: FORMER WOOD GROUP
Client ID: 472141111-09

P3-311 (1-1.5') Field Duplicate

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	11/12/14	I	E160.3
Extraction for PCB	Completed			11/12/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	18	mg/kg	11/13/14	AW	3540C/8082
PCB-1221	ND	18	mg/kg	11/13/14	AW	3540C/8082
PCB-1232	ND	18	mg/kg	11/13/14	AW	3540C/8082
PCB-1242	ND	18	mg/kg	11/13/14	AW	3540C/8082
PCB-1248	ND	18	mg/kg	11/13/14	AW	3540C/8082
PCB-1254	75	18	mg/kg	11/13/14	AW	3540C/8082
PCB-1260	ND	18	mg/kg	11/13/14	AW	3540C/8082
PCB-1262	ND	18	mg/kg	11/13/14	AW	3540C/8082
PCB-1268	ND	18	mg/kg	11/13/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	11/13/14	AW	30 - 150 %
% TCMX	Diluted Out		%	11/13/14	AW	30 - 150 %

Project ID: FORMER WOOD GROUP
Client ID: 472141111-09

P3-311 (1-1.5') Field Duplicate

Phoenix I.D.: BH39074

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

DUPLICATE INCLUDED

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 19, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

November 19, 2014

QA/QC Data

SDG I.D.: GBH39066

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 291854, QC Sample No: BH38878 (BH39066, BH39068, BH39070)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	90	77	15.6	82	82	0.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	86	82	4.8	86	84	2.4	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	95	88	89	1.1	89	84	5.8	30 - 150	30
% TCMX (Surrogate Rec)	75	89	71	22.5	79	77	2.6	30 - 150	30
QA/QC Batch 292107, QC Sample No: BH39067 (BH39067, BH39069, BH39071, BH39074)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	91	95	4.3	95	92	3.2	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	95	95	0.0	95	93	2.1	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	102	104	100	3.9	100	101	1.0	30 - 150	30
% TCMX (Surrogate Rec)	86	89	80	10.7	83	78	6.2	30 - 150	30
QA/QC Batch 292242, QC Sample No: BH40563 (BH39073)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	90	95	5.4	90	88	2.2	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	94	98	4.2	93	93	0.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	102	87	90	3.4	86	84	2.4	30 - 150	30
% TCMX (Surrogate Rec)	83	86	90	4.5	87	83	4.7	30 - 150	30

QA/QC Data

SDG I.D.: GBH39066

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
November 19, 2014

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

Project Location: FORMER WOOD GROUP **Project Number:**

Laboratory Sample ID(s): BH39066, BH39067, BH39068, BH39069, BH39070, BH39071, BH39072, BH39073, BH39074

Sampling Date(s): 11/11/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Date: Wednesday, November 19, 2014

Authorized Signature: Ethan Lee

Printed Name: Ethan Lee

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

November 19, 2014

SDG I.D.: GBH39066

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 11/13/14-1 (BH39071)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 11/13/2014

Instrument: Au-ecd3 11/12/14-1 (BH39066, BH39068, BH39070)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 11/12/2014

Instrument: Au-ecd3 11/13/14-1 (BH39067, BH39069)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 11/13/2014

Instrument: Au-ecd5 11/13/14-1 (BH39067)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

November 19, 2014

SDG I.D.: GBH39066

Printed Name Adam Werner
Position: Chemist
Date: 11/13/2014

Instrument: Au-ecd6 11/13/14-1 (BH39067)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 11/13/2014

Instrument: Au-ecd6 11/17/14-1 (BH39073)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 11/17/2014

Instrument: Au-ecd8 11/13/14-1 (BH39074)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 11/13/2014

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

November 19, 2014

SDG I.D.: GBH39066

QC (Site Specific)

---------- Sample No: BH39067, QA/QC Batch: 292107 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

QC (Batch Specific)

---------- Sample No: BH38878, QA/QC Batch: 291854 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BH40563, QA/QC Batch: 292242 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 6C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

60°C MC HP

CHAIN-OF-CUSTODY RECORD 31661

Turnaround
☒ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Former Wood Group	Windsor Locks, CT	20051184.R73	Phoenix

REPORT TO: Kevin Vanderveer (F+O)
INVOICE TO:
P.O. NO.:
Sampler's Signature: Daniel P. Lewsgre Date: 11/11/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs	Soil VOA Vial, ☐ methanol	Soil VOA Vial, ☐ water ☐ Na(SO4)2	Glass Soil Container (8) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber ( ) ml, ☐ As is ☐ H2SO4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H2SO4, ☐ 250 ml ☐ 500 ml	Plastic - HNO3, 250 ml ☐ Filtered ☐ 0.45µ ☐ 10µ	Plastic - NaOH, 250 ml	Comments
01	✓				472141111 - 01 *	S	11/11/14	11:20	X			1									39066
02	✓				- 02			11:25	X			1									39067
03	✓				- 03 *			11:40	X			1									39068
04	✓				- 04			11:45	X			1									39069
05	✓				- 05 *			11:55	X			1									39070
06	✓				- 06			12:00	X			1									39071
07	✓				- 07			11:30	X			1									39072
08	✓				- 08			12:05	X			1									39073
09	✓				- 09			11:55	X			1				39074					No Charge Dup

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	TFAnderveer	11/11/14	12:38
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
1 Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
Res DEC

Additional Comments: PCB Sox per Kevin V. (LB)
Only Run samples # 1, 3, + 5 per Kevin (LB)

PHOENIX
Environmental Laboratories, Inc.

Tuesday, June 17, 2014

Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: WOOD GROUP
Sample ID#s: BG59232 - BG59236

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

REVIEWED **DMS**
By pbibeau at 1:01 pm, Jun 26, 2014

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 17, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	LK	06/13/14	9:26
Location Code:	F&O	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59232
Phoenix ID: BG59232

Project ID: WOOD GROUP
Client ID: 1218140613-114

FOMW-905

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB Extraction	Completed			06/13/14	L/L	SW3510C
Polychlorinated Biphenyls						
PCB-1016	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1221	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1232	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1242	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1248	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1254	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1260	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1262	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1268	ND	0.50	ug/L	06/14/14	AW	8082
QA/QC Surrogates						
% DCBP	68		%	06/14/14	AW	30 - 150 %
% TCMX	106		%	06/14/14	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 17, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 17, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	LK	06/13/14	11:04
Location Code:	F&O	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59232
Phoenix ID: BG59233

Project ID: WOOD GROUP
Client ID: 1218140613-115

FOMW-906

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB Extraction	Completed			06/13/14	L/L	SW3510C
Polychlorinated Biphenyls						
PCB-1016	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1221	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1232	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1242	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1248	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1254	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1260	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1262	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1268	ND	0.50	ug/L	06/14/14	AW	8082
QA/QC Surrogates						
% DCBP	96		%	06/14/14	AW	30 - 150 %
% TCMX	90		%	06/14/14	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 17, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 17, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	LK	06/13/14	11:32
Location Code:	F&O	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59232
Phoenix ID: BG59234

Project ID: WOOD GROUP
Client ID: 1218140613-116

MW-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
MS/MSD Ext. For PCB	Completed			06/14/14		
PCB Extraction	Completed			06/13/14	L/L	SW3510C
Polychlorinated Biphenyls						
PCB-1016	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1221	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1232	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1242	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1248	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1254	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1260	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1262	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1268	ND	0.50	ug/L	06/14/14	AW	8082
QA/QC Surrogates						
% DCBP	90		%	06/14/14	AW	30 - 150 %
% TCMX	100		%	06/14/14	AW	30 - 150 %
QC for PCB	Completed			06/14/14	AW	

Project ID: WOOD GROUP
Client ID: 1218140613-116

MW-02

Phoenix I.D.: BG59234

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 17, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 17, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	LK	06/13/14	14:01
Location Code:	F&O	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59232
Phoenix ID: BG59235

Project ID: WOOD GROUP
Client ID: 1218140613-117

FOMW-903

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB Extraction	Completed			06/13/14	L/L	SW3510C
Polychlorinated Biphenyls						
PCB-1016	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1221	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1232	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1242	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1248	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1254	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1260	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1262	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1268	ND	0.50	ug/L	06/14/14	AW	8082
QA/QC Surrogates						
% DCBP	98		%	06/14/14	AW	30 - 150 %
% TCMX	104		%	06/14/14	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 17, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 17, 2014

FOR: Attn: Mr Kevin Vanderveer
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	LK	06/13/14	14:05
Location Code:	F&O	Received by:	SW	06/13/14	15:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20051184R73				

Laboratory Data

SDG ID: GBG59232
Phoenix ID: BG59236

Project ID: WOOD GROUP
Client ID: 1218140613-118

FOMW-903 Duplicate

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB Extraction	Completed			06/13/14	L/L	SW3510C
Polychlorinated Biphenyls						
PCB-1016	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1221	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1232	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1242	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1248	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1254	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1260	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1262	ND	0.50	ug/L	06/14/14	AW	8082
PCB-1268	ND	0.50	ug/L	06/14/14	AW	8082
QA/QC Surrogates						
% DCBP	84		%	06/14/14	AW	30 - 150 %
% TCMX	105		%	06/14/14	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 17, 2014
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

June 17, 2014

QA/QC Data

SDG I.D.: GBG59232

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 277050, QC Sample No: BG59234 (BG59232, BG59233, BG59234, BG59235, BG59236)									
Polychlorinated Biphenyls - Water									
PCB-1016	ND	94	93	1.1	101	103	2.0	40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	107	106	0.9	103	106	2.9	40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	73	111	108	2.7	76	65	15.6	30 - 150	20
% TCMX (Surrogate Rec)	59	103	97	6.0	106	110	3.7	30 - 150	20

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
June 17, 2014

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

Project Location: WOOD GROUP **Project Number:**

Laboratory Sample ID(s): BG59232, BG59233, BG59234, BG59235, BG59236

Sampling Date(s): 6/13/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Tuesday, June 17, 2014

Printed Name: Ethan Lee

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

June 17, 2014

SDG I.D.: GBG59232

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd5 06/14/14-1 (BG59232, BG59233, BG59234, BG59235, BG59236)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/14/2014

QC (Site Specific)

---------- Sample No: BG59234, QA/QC Batch: 277050 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 20% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

Temperature Narration

The samples were received at 2C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

2 w/c + Ip

CHAIN-OF-CUSTODY RECORD 31802

Turnaround
☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☐ 48-Hour* ☒ Standard (5 days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Wood Group	Windsor Locks, CT	20051184.R73	Phoenix

REPORT TO: Kevin Vanderveer (F+O)
INVOICE TO: ↓
P.O. NO.:
Sampler's Signature: [signature] Date: 6/13/14

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other _____

Analysis Request

Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs																				Comments
01					1218140613-114	MW	6/13/14	0926	✓			5	9	2	3	2							1						
02					-115			1104	✓			5	9	2	3	3							1						
03					-116			1132	✓			5	9	2	3	4							3						MS/MSD
04					-117			1401	✓			5	9	2	3	5							1						
05					-118			1405	✓			5	9	2	3	6							1						no charge

Soil VOA Vial, ☐ methanol; Soil VOA Vial, ☐ water; Glass Soil Container ( ) oz ☐ $Na(SO_4)_2$; Other: ; Other: ; Water VOA Vial, ☐ As is ☐ HCl; Glass Amber (1000 ml, ☒ As is ☐ H_2SO_4; Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml; Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml; Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45μ ☐ 10μ; Plastic - NaOH, 250 ml

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	Oparadise	6/13/14	1538
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☒ QA/QC ☐ Other _____
____ Duplicates ____ Blanks (Item Nos:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Cert.
GA PMC + ResDEC

Additional Comments:

FUSS & O'NEILL

Attachment B

March 2014 Comment Letter and Response

2005 1184.R72

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
5 POST OFFICE SQUARE, SUITE 100
BOSTON, MASSACHUSETTS 02109-3912

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

March 27, 2014

Brent J. Henebry, LEP
Fuss & O'Neill
146 Hartford Road
Manchester, Connecticut 06040

Re: Notification for Cleanup of PCB Remediation Waste
Wood Group GTS
523 Halfway House Road
Windsor Locks, Connecticut

Dear Mr. Henebry:

EPA has received a plan dated October 2013 ("the Notification") to address PCB-contaminated soil at the Wood Group GTS property located at 523 Halfway House Road ("the Site") in Windsor Locks, Connecticut. The Notification was submitted by you on behalf of Wood Group GTS in accordance with §§ 761.61(a)(3) and (c).

EPA has determined that the Notification **is incomplete** and does not meet the requirements under §§ 761.61(a) and (c). Pursuant to 40 CFR § 761.61(a)(3), a complete Notification(s) must be submitted to EPA. EPA's comments on the submitted Notification follow.

General Comments:

1. Please provide the name, title, and contact information for the person from Wood Group who will be the contact for this project.

2. Forty CFR § 761.61(a) requires that the nature and extent of PCB contamination at a Site be determined for purposes of developing a cleanup plan. Based on the information provided, there are data gaps and additional assessment is necessary to define where the PCB contamination is. (See Specific Comments).

3. EPA generally requires that a copy of the laboratory reports be submitted under a PCB cleanup plan. Please provide the laboratory analytical reports, which may be submitted on a CD-ROM rather than in paper copy.

Specific Comments:

1. Page 3. Groundwater.

    a. Figure 2. The locations of groundwater monitoring wells are shown, but it is difficult to ascertain if these wells are in appropriate locations to assess the groundwater. A discussion of well locations and construction should be included in the Notification.

    b. A chromatographic review of the groundwater is provided in Appendix B. How many rounds of groundwater have been collected and what were the dates? If the most recent date was 2009, another round of groundwater sampling should be conducted to confirm current site conditions.

2. Pages 4 through 6.

    a. Section 2.3.1. To confirm PCB concentrations in soils in the lower and upper release areas, additional sampling is proposed. As the detection of > 1 ppm PCBs (or perhaps lower if in the drainage swale) would/could trigger a change to the PCB remedial plan, the additional proposed sampling should be conducted and submitted to support the current proposed plan.

    b. Page 5. For the upper release area, the first sampling interval is indicated to be 0-12". In the lower release area, the first interval is 0-6". Why are the initial intervals different?

    c. With respect to the piping, part of the conceptual site model is that the piping may have been used as a transport vehicle for PCB contamination from the catch basin into the swale. The lack of sediments in the piping would not be an indicator that the pipe is "clean". As such, sampling of the piping interior and exterior should be included in the supplemental sampling.

    d. Section 2.3.3.

        i. Is there any information as to where the floor drains discharged or what the floor drain systems are constructed of and the depth?

        ii. Three sampling intervals are proposed for the floor drain evaluation. The depth construction of the floor drains may indicate a different sampling scheme is necessary.

    e. It would appear that a portion of the building interior floor and exterior asphalt may need to be removed to access the PCB-contaminated soils. How will the removed floor(s) and asphalt be disposed of?

    f. With respect to the drainage swale, where does it discharge? How close is the drainage swale to the adjacent property?

g. In the site history it is indicated that the source of the PCB contamination at the Site may be equipment (e.g., vacuum pumps, hydraulics, capacitors, etc). The information also indicates that these types of equipment would have been used inside; however, no information was provided to indicate if spills, leaks, or other releases occurred other than reference to several capacitor failures in the early 1980s. Equipment such as vacuum pumps and hydraulics are prone to leaking and there was evidence of staining in the capacitor area. The lack of information on interior PCB contamination represents a data gap.

3. Page 8.

   a. Section 3.3. It is indicated that the building floor will meet the cap requirements under 40 CFR 761.61(a)(7). What is the thickness of the concrete floor?

4. Pages 9 and 10.

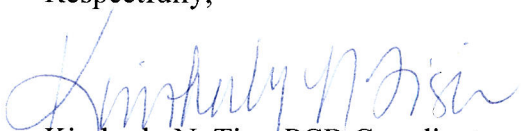
   a. The Notification indicates that all soils will be removed and disposed as a $\geq$ 50 ppm *PCB remediation waste*. Subsequently, verification sampling will be conducted to confirm that the PCB cleanup standards of 1 ppm (outside building footprint) and 10 ppm (beneath building footprint) have been met. The proposed verification sampling plan is Subpart N with compositing.

      i. It appears that the composite sampling result will be "corrected" by the number of grab samples comprising the composite to confirm if the < 1 ppm or < 10 ppm PCB cleanup standard has been achieved. Please confirm.

      ii. If compositing is conducted, EPA will want to ensure that the grab samples comprising the composite are representative of an area based on initial PCB concentrations and depth of excavation. Thus, it would be helpful if Figure 3 could be revised to show the layout for each composite to be collected. A larger diagram may be necessary for legibility.

Should you have any questions on the above or the PCB regulations, please feel free to call me at 617-918-1527.

Respectfully,



Kimberly N. Tisa, PCB Coordinator
Remediation and Restoration II Branch

cc: John B. Hankins, F&O
Gary Trombly, CTDEEP
File

FUSS & O'NEILL
CELEBRATING 90 YEARS

April 22, 2014

Ms. Kimberly N. Tisa
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

RE: Response to EPA Comments on Application for Cleanup of PCB Remediation Waste
Wood Group GTS, 523 Halfway House Road
Windsor Locks, Connecticut

Dear Ms. Tisa

On behalf of Wood Group GTS, Fuss & O'Neill, Inc. is providing this response to your March 27, 2014 comments on the *Application for Clean-Up of Polychlorinated Biphenyl (PCB) Remediation Waste Under 40 CFR 761.61 (a) & (c)*. The application was submitted on October 15, 1013. For convenience, your comments are provided below in italics followed immediately by our responses.

General Comments

1. *Please provide the name, title, and contact information for the person from Wood Group who will be the contact for this project.*

   Gus Eghneim
   Wood Group GTS
   2800 North Loop West
   Suite 1100
   Houston, Texas 77092
   Phone: 713-303-1427
   Fax: 281-227-5688
   Email: Gus.Eghneim@woodgroup.com

2. *Forty CFR § 761.61(a) requires that the nature and extent of PCB contamination at a Site be determined for purposes of developing a cleanup plan. Based on the information provided, there are data gaps and additional assessment is necessary to define where the PCB contamination is. (See Specific Comments).*

   As discussed in Section 2.3 of the application, Wood Group and Fuss & O'Neill met with the Connecticut Department of Energy and Environmental Protection (DEEP) to discuss the remedial approach for PCBs at the Site. At that time, DEEP staff recommended submitting the

146 Hartford Road
Manchester, CT
06040
t 860.646.2469
800.286.2469
f 860.533.5143
www.fando.com
Connecticut
Massachusetts
Rhode Island
South Carolina

40 CFR 761.61(c) application, including a plan to address the data gaps as part of the application. Wood Group is committed to perform the additional sampling to address the data gaps prior to the start of remedial activities and requests approval of the proposed application contingent upon completion of the additional analysis.

3. *EPA generally requires that a copy of the laboratory reports be submitted under a PCB cleanup plan. Please provide the laboratory analytical reports, which may be submitted on a CD-ROM rather than in paper copy.*

   A copy of the laboratory reports was forwarded by email to Katherine Woodward of the EPA on December 23, 2013. For your convenience, another copy is provided on a CD in *Attachment A*.

Specific Comments

1. *Page 3. Groundwater*

   a. *Figure 2. The locations of groundwater monitoring wells are shown, but it is difficult to ascertain if these wells are in appropriate locations to assess the groundwater. A discussion of well locations and construction should be included in the Notification.*

      A groundwater elevation contour map from March 2006 is provided in *Attachment B*. Monitoring well construction details for the wells nearest to the PCB release areas are presented below:

Monitoring Well Construction Details

Well ID	Screened Interval (feet)	Depth to Water (feet)	Water Table Elevation (feet)
MW-02	12.46*	1.77 – 5.69	481.50 – 477.58
FOMW-903	22 – 32	24.04 – 25.06	472-48 – 471.46
FOMW-905	22 – 32	23.41 – 23.99	473.01 – 472.43
FOMW-906	20 – 30	21.27 – 21.84	474.10 – 473.53

*Screened interval of historical monitoring well not available; measured well depth is reported

      MW-02 is located adjacent to the pipe outfall in the swale and is expected to be representative of groundwater in the lower release area source zone. FOMW-903 is believed to be appropriate for evaluating potential PCB groundwater impacts associated with the upper release area based on the following information:

- FOMW-903 is located directly downgradient from the upper release area
- The distance from the upper release area to the nearest downgradient monitoring well (FOMW-903) is approximately 100 to 150 feet
- The groundwater flow rate at the Site has been estimated at approximately 62.4 feet per year
- Based on the above information, the migration time for PCB-impacted groundwater, if present, from the source area to FOMW-903 is approximately two to three years.
- The PCB release is believed to have occurred prior to 1985 (nearly 30 years ago)

b. *A chromatographic review of the groundwater is provided in Appendix B. How many rounds of groundwater have been collected and what were the dates? If the most recent date was 2009, another round of groundwater sampling should be conducted to confirm current site conditions.*

Groundwater at the Site was sampled in January and March 2006 and August 2009. An additional round of groundwater samples will be collected from the four monitoring wells discussed above during the supplemental investigations to confirm groundwater conditions prior to conducting remediation.

2. *Pages 4 through 6.*

a. *Section 2.3.1. To confirm PCB concentrations in soils in the lower and upper release areas, additional sampling is proposed. As the detection of > 1 ppm PCBs (or perhaps lower if in the drainage swale) would/could trigger a change to the PCB remedial plan, the additional proposed sampling should be conducted and submitted to support the current proposed plan.*

See the response to General Comment 2 above.

b. *Page 5. For the upper release area, the first sampling interval is indicated to be 0 -12". In the lower release area, the first interval is 0-6". Why are the initial intervals different?*

In the lower release area, previous sampling identified the highest concentrations of PCBs in the 0-12 inch interval. Because the release mechanism for the swale is the discharge of PCB-impacted liquid from the pipe to surficial material in the swale, a 0-6 inch sampling interval is more likely to accurately represent the most significantly impacted zone.

In the upper release area, the impacted material is located beneath asphalt pavement that was placed after the release occurred. Because the amount of surficial disturbance prior to the placement of the asphalt is not known and in an effort to avoid artificial non-detects

associated with sampling possible structural fill and process aggregate, the 0-12 inch interval is targeted in the upper release area.

c. *With respect to the piping, part of the conceptual site model is that the piping may have been used as a transport vehicle for PCB contamination from the catch basin into the swale. The lack of sediments in the piping would not be an indicator that the pipe is "clean". As such, sampling of the piping interior and exterior should be included in the supplemental sampling.*

   Pipe sampling will be included in the supplemental sampling program prior to conducting remediation.

d. *Section 2.3.3.*

   i. *Is there any information as to where the floor drains discharged or what the floor drain systems are constructed of and the depth?*

      No such information has been identified.

   ii. *Three sampling intervals are proposed for the floor drain evaluation. The depth construction of the floor drains may indicate a different sampling scheme is necessary.*

      It is not expected that the floor drain piping would be deeper than four feet below the floor slab. The sampling approach was designed to evaluate soil between the slab and the maximum anticipated depth of the piping to ensure that a release of PCBs would not be missed.

e. *It would appear that a portion of the building interior floor and exterior asphalt may need to be removed to access the PCB-contaminated soils. How will the removed floor(s) and asphalt be disposed of?*

   The asphalt and concrete will be sampled for PCBs to determine the appropriate method of disposal.

f. *With respect to the drainage swale, where does it discharge? How close is the drainage swale to the adjacent property?*

   The drainage swale discharges to a culvert at the south end of the property. The culvert discharges to an intermittent brook in Hathaway Hollow. A soil sample collected from 0-2 feet at the end of the swale exhibited a PCB

concentration of 0.56 ppm, suggesting that PCBs have not migrated to the property boundary at concentrations exceeding 1 ppm.

g. *In the site history it is indicated that the source of the PCB contamination at the Site may be equipment (e.g., vacuum pumps, hydraulics, capacitors, etc). The information also indicates that these types of equipment would have been used inside; however, no information was provided to indicate if spills, leaks, or other releases occurred other than reference to several capacitor failures in the early 1980s. Equipment such as vacuum pumps and hydraulics are prone to leaking and there was evidence of staining in the capacitor area. The lack of information on interior PCB contamination represents a data gap.*

   Concrete chip samples will be collected from the floor surface in the former Kennametal portion of the building on a 6-meter grid to evaluate potential PCB releases to the floor. Prior to collecting the samples, the area will be inspected, and if evident, sampling locations will be biased towards locations of discoloration or staining and known locations of former electrical equipment.

3. *Page 8.*

   a. *Section 3.3. It is indicated that the building floor will meet the cap requirements under 40 CFR 761.61(a)(7). What is the thickness of the concrete floor?*

      Data obtained during previous sampling suggests that the floor is approximately six inches thick. The floor thickness will be confirmed during supplemental investigations.

4. *Pages 9 and 10.*

   a. *The Notification indicates that all soils will be removed and disposed as a ≥ 50 ppm PCB remediation waste. Subsequently, verification sampling will be conducted to confirm that the PCB cleanup standards of 1 ppm (outside building footprint) and 10 ppm (beneath building footprint) have been met. The proposed verification sampling plan is Subpart N with compositing.*

      i. *It appears that the composite sampling result will be "corrected" by the number of grab samples comprising the composite to confirm if the < 1 ppm or < 10 ppm PCB cleanup standard has been achieved. Please confirm.*

         Confirmed. Composite samples will comprise no more than four grab samples based on an anticipated reporting limit of 0.2 ppm as confirmed by the laboratory.

FUSS & O'NEILL

ii. *If compositing is conducted, EPA will want to ensure that the grab samples comprising the composite are representative of an area based on initial PCB concentrations and depth of excavation. Thus, it would be helpful if Figure 3 could be revised to show the layout for each composite to be collected. A larger diagram may be necessary for legibility.*

Figure 3 has been revised to show the layout for each composite with each composite comprising no more than 4 grab samples. The revised Figure 3 is provided in *Attachment C.*

Please do not hesitate to contact the undersigned if you have any questions or comments.

Sincerely,

Brent J. Henebry, LEP
Associate

John B. Hankins, LEP
Senior Vice President

Attachments: *Attachment A* – Laboratory Reports (on CD)
Attachment B – Groundwater Elevation Contour Map
Attachment C – Composite Sampling Detail (Revised Figure 3)

c: Gary Trombly – Connecticut DEEP
Gus Eghneim – Wood Group GTS

FUSS & O'NEILL

Attachment C

May 2014 Comment Letter

2005184. R71

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
5 POST OFFICE SQUARE, SUITE 100
BOSTON, MASSACHUSETTS 02109-3912

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

May 7, 2014

Brent J. Henebry, LEP
Fuss & O'Neill
146 Hartford Road
Manchester, Connecticut 06040

Re: Notification for Cleanup of PCB Remediation Waste
Wood Group GTS
523 Halfway House Road
Windsor Locks, Connecticut

Dear Mr. Henebry:

EPA has received and reviewed the April 22, 2014 Response to EPA Comments dated March 27, 2014 on the Wood Group GTS ("Wood Group") plan dated October 2013 ("the Notification") to address PCB-contaminated soil at the property located at 523 Halfway House Road ("the Site") in Windsor Locks, Connecticut. The Notification was submitted by you on behalf of Wood Group GTS in accordance with §§ 761.61(a)(3) and (c).

EPA has considered the responses provided and determined that the Notification, as presented, is insufficient for approval under 40 CFR § 761.61(c). While certain activities could potentially be approvable under 40 CFR §§ 761.61(a) and (c), there are too many data gaps that exist for the overall project. Thus, EPA has determined that the Notification remains **incomplete** and does not meet the requirements under §§ 761.61(a) and (c). Pursuant to 40 CFR § 761.61(a)(3), a complete Notification(s) must be submitted to EPA.

EPA's comments on the submitted Notification and the April 22, 2014 Response to EPA Comments follow. For ease of your review, EPA's prior comments dated March 27, 2014 are provided in italics.

General Comments:

1. *Please provide the name, title, and contact information for the person from Wood Group who will be the contact for this project.*

   EPA Response: Comment addressed.

2. *Forty CFR § 761.61(a) requires that the nature and extent of PCB contamination at a Site be determined for purposes of developing a cleanup plan. Based on the information provided, there are data gaps and additional assessment is necessary to define where the PCB contamination is. (See Specific Comments).*

   EPA Response: While additional pre-remediation sampling is proposed, without this data, EPA cannot make a determination on the adequacy of the plan to meet the required no unreasonable risk finding under 40 CFR § 761.61(c). The proposed additional sampling should be conducted and submitted to EPA with any modification or revision necessary to the Notification based on the results of the sampling.

3. *EPA generally requires that a copy of the laboratory reports be submitted under a PCB cleanup plan. Please provide the laboratory analytical reports, which may be submitted on a CD-ROM rather than in paper copy.*

   EPA Response: Comment addressed. Analytical reports provided.

Specific Comments:

1. *Page 3. Groundwater.*

   a. *Figure 2. The locations of groundwater monitoring wells are shown, but it is difficult to ascertain if these wells are in appropriate locations to assess the groundwater. A discussion of well locations and construction should be included in the Notification.*

      EPA Response: Comment addressed. Further, supplemental groundwater sampling proposed to confirm current site conditions.

   b. *A chromatographic review of the groundwater is provided in Appendix B. How many rounds of groundwater have been collected and what were the dates? If the most recent date was 2009, another round of groundwater sampling should be conducted to confirm current site conditions.*

      EPA Response: Comment addressed. Wood Group will conduct another round of groundwater sampling.

2. *Pages 4 through 6.*

   a. *Section 2.3.1. To confirm PCB concentrations in soils in the lower and upper release areas, additional sampling is proposed. As the detection of > 1 ppm PCBs (or perhaps lower if in the drainage swale) would/could trigger a change to the PCB remedial plan, the additional proposed sampling should be conducted and submitted to support the current proposed plan.*

EPA Response: As previously stated, EPA approval of the proposed plan is requested pursuant to 40 CFR § 761.61(c). Based on the information provided and the identified data gaps, EPA cannot conclude a no unreasonable risk finding as required under § 761.61(c). Accordingly, the additional proposed sampling should be conducted and the results provided to support the proposed plan. In addition, it is unclear that the 1 ppm is an acceptable PCB cleanup standard for the lower release area since there is no discussion in the Notification concerning ecological risk.

Based on EPA's discussions with the Connecticut Department of Energy and Environmental Protection ("CTDEEP"), a determination on the acceptable PCB cleanup standard for the drainage swale remains outstanding. Accordingly, cleanup of the drainage swale cannot be considered until CTDEEP is in agreement with the proposed PCB cleanup.

b. *Page 5. For the upper release area, the first sampling interval is indicated to be 0-12". In the lower release area, the first interval is 0-6". Why are the initial intervals different?*

EPA Response: Comment addressed.

c. *With respect to the piping, part of the conceptual site model is that the piping may have been used as a transport vehicle for PCB contamination from the catch basin into the swale. The lack of sediments in the piping would not be an indicator that the pipe is "clean". As such, sampling of the piping interior and exterior should be included in the supplemental sampling.*

EPA Response: Response indicates sampling will be conducted, but provides no specifics on what that sampling will entail.

d. *Section 2.3.3.*

   i. *Is there any information as to where the floor drains discharged or what the floor drain systems are constructed of and the depth?*

   EPA Response: In its response Wood Group indicates no information has been identified that would address EPA's comment. In the Notification it was indicated that the floor drains could possibly be connected to the pipe which discharges to the swale. If so, during the interior pipe inspection, could the visual inspection trace back to the inside of the building to determine if there are any such connections?

ii. *Three sampling intervals are proposed for the floor drain evaluation. The depth construction of the floor drains may indicate a different sampling scheme is necessary.*

EPA Response: In its response Wood Group indicates that the sampling approach was designed to evaluate soils between the slab and the maximum anticipated depth of the piping to ensure that a release of PCBs would not be missed. However, as Wood Group does not provide a definitive evidence that the piping does not extend below 4-feet, it is unclear how it will be determined that this objective has been met.

e. *It would appear that a portion of the building interior floor and exterior asphalt may need to be removed to access the PCB-contaminated soils. How will the removed floor(s) and asphalt be disposed of?*

EPA Response: Response indicates that sampling will be conducted to determine disposal requirements. No information on the sampling procedures, including frequency and intervals was provided. Please be aware that given the PCB concentrations in the soils beneath the concrete and asphalt, the concrete and asphalt would be considered to have a PCB concentrations ≥ 50 ppm unless adequate sampling is conducted to determine current PCB concentrations.

f. *With respect to the drainage swale, where does it discharge? How close is the drainage swale to the adjacent property?*

EPA Response: Comment addressed. The outstanding issue with the drainage swale is the PCB cleanup standard (see EPA Specific Comment 2.a). While the drainage swale may be dry, it does connect to a water body. Accordingly, the proposed PCB cleanup standard may not be acceptable with respect to ecological risk. Based on EPA's discussions with CTDEEP, a determination on the acceptable PCB cleanup standard for the drainage swale remains outstanding. Accordingly, cleanup of the drainage swale cannot be considered until CTDEEP is in agreement with the proposed PCB cleanup. Please contact CTDEEP regarding this issue.

g. *In the site history it is indicated that the source of the PCB contamination at the Site may be equipment (e.g., vacuum pumps, hydraulics, capacitors, etc). The information also indicates that these types of equipment would have been used inside; however, no information was provided to indicate if spills, leaks, or other releases occurred other than reference to several capacitor failures in the early 1980s. Equipment such as vacuum pumps and hydraulics are prone to leaking and there was evidence of staining in the capacitor area. The lack of information on interior PCB contamination represents a data gap.*

EPA Response: The Response to Comment indicated that the interior concrete floor would be sampled on a 6-meter grid to evaluate potential impacts to the floor in the former Kennametal portion of the building. A figure should be provided identifying the interior sampling location(s). In addition, it was indicated in the Fuss & O'Neill PCB Release Areas Conceptual Model dated November 2009 regarding a location where PCB-containing capacitors were previously located and where a release (i.e., leak) had previously occurred. November 2009 document that the electrical room was believed to have been the likely location for the capacitors. No samples appear to have been collected from the concrete floor in the electrical room.

3. *Page 8.*

   a. *Section 3.3. It is indicated that the building floor will meet the cap requirements under 40 CFR 761.61(a)(7). What is the thickness of the concrete floor?*

      EPA Response: Comment addressed. However, if the concrete floor is determined to be less than the required 6-inch minimum thickness, no information was provided to explain how the difference would be addressed.

4. *Pages 9 and 10.*

   a. *The Notification indicates that all soils will be removed and disposed as a ≥ 50 ppm PCB remediation waste. Subsequently, verification sampling will be conducted to confirm that the PCB cleanup standards of 1 ppm (outside building footprint) and 10 ppm (beneath building footprint) have been met. The proposed verification sampling plan is Subpart N with compositing.*

      i. *It appears that the composite sampling result will be "corrected" by the number of grab samples comprising the composite to confirm if the < 1 ppm or < 10 ppm PCB cleanup standard has been achieved. Please confirm.*

         EPA Response: Comment addressed.

      ii. *If compositing is conducted, EPA will want to ensure that the grab samples comprising the composite are representative of an area based on initial PCB concentrations and depth of excavation. Thus, it would be helpful if Figure 3 could be revised to show the layout for each composite to be collected. A larger diagram may be necessary for legibility.*

         EPA Response: Comment addressed and figure was provided.

Should you have any questions on the above or the PCB regulations, please feel free to call me at 617-918-1527.

Respectfully,

Kimberly N. Tisa, PCB Coordinator
Remediation and Restoration II Branch

cc: John B. Hankins, F&O
Gary Trombly, CTDEEP
File