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August 4, 2016

United States Environmental Protection Agency
Region 1
5 Post Office Square, Suite 100
Boston, Massachusetts 02109-3912

Attn: Kimberly N. Tisa, PCB Coordinator

RE: Response to EPA Comments
PCB Remedial Action Work Plan for Approval under 40 CFR 761.61(c)
Former Building 270 Release Area
Pratt & Whitney Facility - Middletown, Connecticut

Dear Ms. Tisa:

On behalf of United Technologies Corporation (UTC), Loureiro Engineering Associates, Inc. (Loureiro) has prepared this letter in response to comments received from the Environmental Protection Agency (EPA) Region 1 on the above-referenced Remedial Action Work Plan (RAWP). The EPA comments documented in this letter, in italicized text, were received via Certified Mail in a letter dated May 23, 2016. Please consider this response letter as an addendum to the RAWP. The following are responses to each EPA comment.

RESPONSE TO EPA COMMENTS

General Comments

1. Please provide photographs of current Building 250.

Response: Photographs of current Building 250 are provided in Attachment 1 to this response letter.

2. The source of the PCBs in soil is not clear. Building 270 was reportedly demolished in 1995 and then the basement and sub-basement were filled. Please provide documentation or information on the soil that was used to fill these structures. Please also clarify if any changes occurred in this area as part of the Building 250 construction (aside from construction of the approximately 6-inch plus concrete floor). (See Specific Comment 3).

Response: We have reviewed the available information for the Project Area, including information gathered from interviews with Pratt & Whitney personnel. The following summary is based on this information. The Project Area has been developed/operated during three distinct time periods identified as the Connecticut Advanced Nuclear Engine Laboratory (CANEL) era, the Pratt & Whitney era and the Building 250 era. The Site was initially developed by the United States government as a research facility for the Air Force Aircraft Nuclear Propulsion

Program (ANP). Between 1955 and 1957 the land was acquired, and the CANEL facility was constructed under direction of the Army Corps of Engineers. The CANEL facility was designed primarily to support the ANP program of experimental research directed towards the development and testing of high temperature nuclear power systems for aircraft and was administered by the Air Force until 1963 when the ANP was cancelled. The Atomic Energy Commission then maintained the Site until it was transferred to United Aircraft Corporation (the parent company of Pratt & Whitney) in 1966.

Former Building 270 was constructed in 1958 as a radiator laboratory during the CANEL-era operations at the Site. The radiator laboratory was constructed to conduct performance and endurance experiments involving the heat transfer of liquid metals (i.e. NaK, lithium, sodium) to air. However, it is not clear whether any liquid metal experiments were conducted before the CANEL project was canceled. Available information indicates that the construction of the building was stopped prior to its completion. Portions of the building were subsequently used for unspecified component and metallurgical testing.

Based on historical CANEL-era facility drawings, Former Building 270 covered an area of approximately 23,400 square feet and was constructed with an approximately 4,200 square-foot partial basement and an approximately 9,900 square-foot partial sub-basement. In addition, historical facility drawings depicted several pits within the main floor of Building 270, although the depths of the pits are not known. Potential PCB sources that were identified in the area during the CANEL operation were a rectifier and transformer that were located on a platform within the partial basement and switchgear that was located in a utility room at the north end of the building. The dates of operation and subsequent removal of this equipment are unknown and are assumed to have ended with the CANEL operation (circa 1960s) prior to transfer to Pratt & Whitney. Beyond the operation and subsequent removal of potential PCB sources that may have been in the area, there is no information about releases or potential releases from the potential PCB sources.

Since 1966, Pratt & Whitney has used the Site for manufacturing, assembly, and testing of jet engines, steam and compressed air generation, jet engine fuel storage and distribution, industrial wastewater treatment, potable and process water supply, and facility maintenance. After cancellation of the CANEL project and transfer of the Site to Pratt & Whitney, Former Building 270 was used for general storage until it was demolished in 1995 for the subsequent construction of Building 250. No potential PCB sources were identified in the area during the Pratt & Whitney operation. No records detailing the demolition activities, including the filling of basement and sub-basement or the source of fill materials were located. Interviewed Pratt & Whitney personnel did not have knowledge of the demolition activities, or of the source or material used to backfill the basement and sub-basement areas.

Building 250, which houses roll-off dumpsters for recyclable materials, was constructed over the southern portion of the former Building 270 footprint in early 1996. The layout of Building 250 consists of six bays for dumpsters; each bay is surrounded on three sides (generally west, north, and east) by a raised concrete platform (approximately four feet above surrounding grade) for fork trucks. A concrete apron extends south of the roll-off bays. As part of the construction of

Building 250, the grades in the vicinity of the building were changed. The historical and current grade elevations are illustrated on Drawing 3-2.

No facility records have been identified that provide information about releases or potential releases from potential PCB sources. The PCBs identified within the footprint of former Building 270 are believed to be associated with potential PCB-containing equipment dating to the CANEL-era operations at the Site and/or fill material used to backfill the basement and sub-basement areas of former Building 270 during building demolition and subsequent construction of Building 250.

3. The justification for using the existing building as the cap is based on the provisions of § 761.61(a)(4)(i)(B)(3) for Low Occupancy Areas, which is the self-implementing cleanup and disposal (SIP) option for PCB remediation waste. The SIP option specifies prescriptive requirements for sampling, cleanup, and disposal of PCB remediation waste. As the SIP requirements pertaining to sampling and disposal were and/or will not be met under the current plan, UTC has submitted its plan under the risk-based disposal option at 40 CFR § 761.61(c). Under this option, EPA may consider deviations from the prescriptive requirements provided the deviation(s) do not result in a risk of injury to health or the environment.

a. The remedial approach for the northern half of the Site is unclear and no specific details are provided to support how the contamination in this area will be addressed. (See Specific Comments 1 and 4.b.).

Response: See responses to Specific Comments 1 and 4.b.

b. Limited samples were collected in the northern portion of the former Building 270 area to support a risk-based determination under 40 CFR § 761.61(c). Please confirm whether UTC is including the northern portion of the Site in its PCB Remedial Action Work Plan under 40 CFR § 761.61(c). If not, please clarify why. (See Specific Comment 4).

Response: See response to Specific Comment 4.

Specific Comments

1. Pages 3-2 and 3-3. Following the soil characterization discussion, it is stated, in part, "data indicate that the near-surface soils with PCB concentrations up to 10.4 mg/kg are not related to the TSCA release".

a. Little to no information was provided on the PCBs identified in the near-surface soil. Further, it is unclear what is meant by a "TSCA release" and how the determination was made that the soil PCB concentration of 10.4 mg/kg is not related to the TSCA release. As PCBs greater than (>) 1 part per million (ppm) can be regulated for cleanup and disposal under 40 CFR Part 761, please provide additional discussion regarding the PCB contamination at the Site and particularly in the northern portion of the former Building 270 area.

Response: The disposal of items with PCBs is regulated by the Toxic Substance Control Act (TSCA) pursuant to Title 40 of the Code of Federal Regulations (CFR) Part 761 depending on the determination of the type of PCB waste. PCB Remediation Waste is waste containing PCBs as a result of a spill or release from any of the following:

- Materials disposed of prior to April 18, 1978, at concentrations ≥50 mg/kg PCBs, regardless of the concentration of the original spill;
- Materials at any concentration where the original source was ≥500 mg/kg PCBs beginning on April 18, 1978;
- Materials at any concentration where the original source was ≥50 mg/kg PCBs beginning on July 2, 1979; and
- Materials which are currently at any concentration if the PCBs were spilled or released from a source not authorized for use.

No facility records have been identified that provide information about releases or potential releases from potential PCB sources. The PCBs identified within the footprint of former Building 270 are believed to be associated with potential PCB-containing equipment dating to the CANEL-era operations at the Site and/or fill material used to backfill the basement and sub-basement areas of former Building 270 during building demolition and subsequent construction of Building 250. The term "TSCA release" was intended to refer to those soils found at concentrations approaching 50 mg/kg PCBs that were found at depth within the footprint of the former Building 270 sub-basement, proximal to concrete with elevated concentrations (greater than 10 mg/kg) of PCBs, and near the former location of potential PCB-containing electrical equipment. Because the soil sample with the PCB concentration of 10.4 mg/kg was collected from a different elevation, and different location within the footprint of former Building 270, it was believed to be unrelated to the release identified at depth.

Given that PCBs have been identified at concentrations near 50 mg/kg in this area and the uncertainty of the source of the fill material used to backfill the former Building 270 basement and sub-basement areas, the remediation plan has been revised to address all of the PCBs identified at concentrations ≥1 mg/kg as a PCB Remediation Waste in accordance with a Risk-Based Disposal Approval under Title 40 of the Code of Federal Regulations (CFR) § 761.61(c).

b. *With respect to the discussion of TSCA and this PCB project, it would also be helpful if the terms used in the PCB risk-based disposal plan were consistent with the definitions found in 40 CFR § 761.*

Response: UTC is requesting a Risk-Based Disposal Approval under 40 CFR § 761.61(c). This plan has been prepared to describe the remediation of PCBs that are present in soil and concrete as a result of historical releases from past Site operations. The source(s) of the PCBs present is unknown. The potential PCB sources that were identified in the area date to the CANEL-era operations (1950s to 1960s), and included a rectifier and transformer that were located on a platform within the partial basement, and switchgear that was located in a utility room at the north end of the building. The dates of operation and subsequent removal of this equipment are

unknown, but are assumed to have ended with the CANEL operation at the Site, prior to transfer to Pratt & Whitney.

The objective of the remediation is to achieve compliance with the Connecticut Remediation Standard Regulations (RSRs) and the federal PCB regulations utilizing the provisions in accordance with a Risk-Based Disposal Approval under 40 CFR § 761.61(c). This option is being employed due to the current use of the property, the current building present in the Project Area, and the distribution of PCBs detected in Site soil and concrete. The information is presented to demonstrate that the activities described and planned herein are protective of human health and the environment in accordance with 40 CFR § 761.61(c).

2. Page 3-3. Paragraph 1. It is indicated that PCB-contaminated soil samples also contained concentrations of PAHs up to 977 mg/kg and ETPH up to 3,070 mg/kg. Please include the PAH and ETPH data with the PCB data for the Building 270 footprint on a drawing or figure.

Response: The highest concentrations of PCBs, ETPH, PAHs, and volatile organic compounds (VOCs) were found in samples collected at depth from borings B220-SB-100, B220-SB-178B, and B220-SB-403, which were installed in the southwestern portion of the former Building 270 sub-basement footprint within approximately 15 feet of one another, and borings B220-SB-534 and B220-SB-536, which were installed in the northern portion of the former Building 270 sub-basement footprint. The results of those samples are summarized in the table below, with the maximum detected concentrations identified in bold.

Location ID	Depth	Concentration (mg/kg)			
		Total PCB	ETPH	Total PAH	Total VOC
B220-SB-100	18' - 20'	**48.18**	**3,070**	**943.65**	10.09
B220-SB-178B	14' - 17'	7.31 / 2.75	1,560 / 773	275.33 / 268.877	3.82 / 2.66
B220-SB-403	18' - 20.8'	8.394	1,100	156.5	**12.77**
B220-SB-534	8 - 10’	42.9	85.8	11.78	ND
B220-SB-536	*20 – 22’*	*8.2*	*1,460*	*671.9*	*0.0072*

Note: Total PCB results for B220-SB-534 and B220-SB-536 were the results following the initial Soxhlet extraction for those samples. A second Soxhlet extraction and two microwave extractions of the same samples were unable to replicate those sample results.

The samples in the southwestern portion of the former Building 270 sub-basement footprint were also the only soil samples collected from this area of the Site with VOCs at concentrations above 1 mg/kg (1,000 µg/kg), primarily due to the detection of naphthalene, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene. Table 3-2B provides a summary of the ETPH, PAH, and VOC results for compounds detected in soil samples. In addition, the ETPH, total PAH, and total VOC results have been included on the summary table provided on Drawing 3-3. Prior to 2016, almost every sample that was analyzed for PCBs was also analyzed for ETPH; however, PAHs and VOCs were analyzed in fewer than half the samples analyzed for PCBs.

3. Pages 3-3 and 3-4. Section 3.3.

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a. *Concrete, encountered in several borings, is believed to be remnants of the basement and sub-basement concrete slabs of the former building left in place after being broken apart to allow for drainage. Please provide additional discussion regarding the demolition process that was used, if known, and the material used to backfill the basement/sub-basement within the former Building 270 footprint.*

Response: We have reviewed the available information for the Project Area and have prepared the summary contained in General Response 2 based on this information. For the demolition of Building 270 and the subsequent construction of Building 250, additional and specific information on the demolition process and activities was not available. No records detailing the demolition activities, including the filling of basement and sub-basement or the source of fill materials were located. Interviewed Pratt & Whitney personnel did not have knowledge of the demolition activities, or of the source or material used to backfill the basement and sub-basement areas.

b. *Historical facility drawings indicate that a transformer and potentially oil-containing equipment were located in the areas with the highest PCB concentrations. Please provide additional discussion regarding what other equipment may have contained PCBs (other than the transformer), the PCB concentrations in the transformer oil and the other equipment oil (if known), and the disposition of these wastes.*

Response: We have reviewed the available information for the Project Area and have prepared the summary contained in General Response 2 based on this information. The equipment present in former Building 270 included two fuel-oil fired furnaces that were used (or intended to be used) for heating the liquid metals (i.e. NaK, lithium, potassium). There were four #2 fuel oil USTs formerly located west of former Building 270. Ancillary equipment included liquid metal pumps, a compressor/turbine, and a 200-ton test chamber. A rectifier was also located adjacent to the above-referenced transformer on the basement level. Switch gear was located in a utility room in the northern portion of the ground floor of former Building 270. The locations of equipment present within former Building 270 are illustrated on Drawing 3-1.

For former Building 270, information on equipment that may have contained PCBs was not available. Information concerning PCB concentrations in the transformer or other equipment was also not available. The disposition of the transformers, equipment and any associated wastes was not available, but was assumed to have occurred prior to transfer of the Site to Pratt & Whitney.

4. Page 3-4. Paragraph 2 and Drawing 3-2. It is indicated the delineation sampling locations were based on Subpart N for the portion of the former Building 270 where Building 250 is covering the contamination. However, EPA's review of the sampling locations did not find that Subpart N sampling was conducted throughout the Building 250 footprint, the spacing was much greater and in fact only 10 sampling locations were shown in the northern portion of the former Building 270 area (Drawing 3-2, Sheet 1 of 2).

a. *UTC has proposed to meet a* low occupancy area *cleanup standard of less than (<) 50 ppm. Please discuss why the sampling within the Building 250 area is sufficient to*

identify all areas with PCBs greater than or equal to (≥) 50 ppm and/or to support a risk-based disposal under § 761.61(c).

Response: Subpart N sampling was not conducted throughout the Building 250 footprint; however, it was conducted to delineate detections of PCBs in soil from boring B220-SB-100 at concentrations greater than 40 mg/kg. In addition, the detection of PCBs in shallow soils at 10.4 mg/kg was delineated following the Subpart N three meter distance. The area subject to risk-based disposal under § 761.61(c) under Building 250 covers an area of approximately 9,610 square feet [0.22 acres]. Thirty-three soil borings were completed within this area, and another ten soil borings were completed within approximately 15 feet of the southern, eastern, or western limits of this area, which can be used for further delineation of PCBs in soil. Excluding field duplicates, 117 soil samples were collected from the 33 soil borings, and another 33 soil samples were collected from the ten adjacent soil borings. PCB concentrations detected in soil samples from the Building 250 risk-based disposal area ranged from non-detect to 48.18 mg/kg, while the range of PCB concentrations detected in soil samples from the areas south and west of the risk-based disposal area ranged from non-detect to 0.377 mg/kg. Of the 117 samples collected within the footprint of Building 250 subject to risk-based disposal under § 761.61(c), 14 samples (approximately 12 percent) had PCBs reported at concentrations greater than 1 mg/kg, and half of those samples (7 samples) were collected from one of three soil borings (B220-SB-100, B220-SB-403, and B220-SB-505). With the exception of one near-surface sample (B220-SB-524, 10.4 mg/kg), all of the samples with PCBs detected at concentrations greater than 1 mg/kg were collected at depths greater than 10 feet below existing grade, which approximately translates to below an elevation of 119 feet AMSL. Data for the area beneath Building 250 subject to risk-based disposal under § 761.61(c) have been grouped into three depth ranges, the upper two feet below existing grade (or existing building concrete for the fork-lift platform areas), two to ten feet below existing grade, and greater than ten feet below existing grade, and summarized in the table below.

Depth (feet)	Detection Frequency	Detected Concentration (mg/kg)				
		Minimum	Maximum	Median	Average	Geometric Mean
0 – 2	8 / 10	0.0568	10.4	0.120	1.422	0.206
2 – 10	14 / 32	0.0353	0.567	0.188	0.198	0.150
> 10	38 / 75	0.0364	48.18	0.274	3.044	0.478

Note: For samples where duplicate samples were analyzed, the maximum detected concentration was used.

As indicated by this data summary, the highest detected concentration in the interval directly below the concrete of Building 250 is 10.4 mg/kg (at soil boring B220-SB-524). The highest detected concentrations beneath Building 250 (up to 48.18 mg/kg) were found at depths greater than ten feet below existing grade.

b. *For the northern portion of the Site area, EPA has determined that there is insufficient data to confirm PCB concentrations in this area. Further, the risk-based disposal plan indicates that the northern area will be addressed with an RSR engineered control but there is no discussion as to what the engineered control will be. Please clarify. Where does this stand with CTDEEP?*

Response: Fourteen additional soil borings were completed in the area north of Building 250 during April and July 2016. Table 3-2 from the April 2016 TSCA RAWP has been updated to incorporate the results of the additional sampling, and renamed Table 3-2A. Laboratory analytical data sheets are provided in Attachment 2 to this response letter.

- Three of the soil borings (B220-CS-030 through B220-CS-032) were completed along the existing road north of Building 250 (and outside the footprint of former Building 270) to further refine the limits of the cap to be installed in that area. PCBs were not detected in these three soil samples.

- Six of the soil borings (B220-SB-528 through B220-SB-533) were completed outside the footprint of the former Building 270 sub-basement to further evaluate shallow PCB detections. Soil samples were collected from the upper three feet (0 to 2 feet, and 2 to 3 feet) from each of the borings. Concentrations of PCBs in these shallow soil samples ranged from non-detect to 1.88 mg/kg. These results are consistent with the previous shallow soil samples collected in this area, which indicated a maximum as-found concentration of 4.04 mg/kg.

- Five of the soil borings (B220-SB-534 through B220-SB-538) were completed within the footprint of the former Building 270 sub-basement to evaluate the presence of PCBs in fill material in this portion of the former sub-basement. Soil samples were collected at various depths from ground surface to between 16 and 22 feet below grade. Twenty-nine soil samples from these borings were submitted for analysis for PCBs. Concentrations of PCBs in these soil samples ranged from non-detect to 42.9 mg/kg, with three samples containing as-found concentrations of PCBs greater than 1 mg/kg. Only one sample (B220-SB-534, 8 to 10 feet) contained as-found concentrations of PCBs greater than 10 mg/kg. These results are consistent with the previous soil samples collected from the southern portion of the former Building 270 sub-basement (below Building 250).

Including the July 2016 samples, 75 soil samples from various depths have been collected from within the footprint of the northern portion of former Building 270, which will be covered by the Former Building 270 Engineered Control (EC) and subject to risk-based disposal under § 761.61(c). Data for this area have been grouped into three depth ranges, the upper two feet below existing grade, two to ten feet below existing grade, and greater than ten feet below existing grade, and summarized in the table below.

Depth (feet)	Detection Frequency	Detected Concentration (mg/kg)				
		Minimum	Maximum	Median	Average	Geometric Mean
0 – 2	15 / 23	0.0695	4.04	0.565	1.115	0.475
2 – 10	17 / 32	0.0385	42.9	0.222	2.863	0.278
> 10	16 / 27	0.0398	8.2	0.145	0.740	0.196

Note: For samples where duplicate or split samples were analyzed, or where the samples were extracted using different methods, the maximum detected concentration was used.

Of the 75 samples, 10 samples had concentrations of PCBs greater than 1 mg/kg, 8 of which were collected within the upper four feet, outside the footprint of the former Building 270 sub-basement. The other two samples were collected from depths below eight feet, within the footprint of the former Building 270 sub-basement. Based on the results of the July 2016 sampling, the Former Building 270 EC is being included in the request for approval under § 761.61(c), risk-based disposal of PCB remediation waste.

The Connecticut Department of Energy and Environmental Protection (CTDEEP) approved the use of the EC under Section 22a-133k-2(f)(2) of the RSRs of the Regulations of Connecticut State Agencies (RCSA) in October 2014. The CTDEEP approved EC is a permanent physical structure designed to safely isolate soils which would otherwise not comply with the self-implementing remedial options allowed in Sections 22a-133k-1 through -3 of the RSRs. The CTDEEP approved EC variance contains inspection, maintenance and reporting requirements, the recording of an Environmental Land Use Restriction (ELUR), and the posting of financial assurance to ensure such control measures will be sustained into the future. The CTDEEP-approved Former Building 270 EC will be constructed using a 40-millimeter high density polyethylene (HDPE) liner with a permeability of less than 1×10^{-6} centimeters per second (cm/s) over an approximately 0.33-acre area (approximately 0.26 acres of which is underlain by the footprint of former Building 270). The area to be covered by the CTDEEP-approved EC is depicted on Drawing 3-4 (formerly Drawing 3-3). The liner will be placed 2 feet below existing grade and covered with a geocomposite fabric and 24 inches of cover material. The liner will be fastened to the Building 250 foundation with steel batten strips. The cover material placed over the liner and fabric will consist of 18 inches of compacted backfill and 6 inches of topsoil to support vegetative growth. CTDEEP-approved engineered control construction and anchor details are presented on attached Drawing 3-3 (Sheet 3 of 3) (formerly Drawing 3-2) and Drawing 3-4. The materials that will be excavated for installation of the Former Building 270 CTDEEP-approved EC (upper two feet of soil) exhibiting PCB concentrations greater than or equal to 10 ppm but less than 50 ppm will be disposed of in accordance with 40 CFR 761.61(a)(5)(v)(A).

5. Page 4-1. Section 4-1. Paragraph 3. As previously indicated and discussed in the Notification, the cap requirements under 40 CFR § 761.61(a)(7) will not be achieved and thus UTC has submitted its plan under the risk-based disposal option at § 761.61(c). Please provide a cross-section drawing of the Building 250 concrete slab and the gravel layer (with associated thicknesses).

Response: The thickness of concrete has been measured at 32 locations across the Building 250 footprint, with nine of the measurements from the forklift platforms and the remaining 23 measurements from within the roll-off bays. The minimum measured concrete thickness was five inches and the maximum was 16 inches. Detailed cross-sections of the upper ten feet of Building 250 have been included on Drawing 3-3 (formerly Drawing 3-2) (Sheet 2 of 3 and Sheet 3 of 3), depicting the concrete slab and gravel layer where present). In addition, the various measurements of concrete thickness across the Building 250 footprint have been summarized in the attached Figure 1.

6. Drawing 3-3. The drawing has a red "dashed" line identified as the approximate limits of the proposed RSR engineering control. However, the key has a grey line defined as the approximate limits of proposed engineered control. Please review and correct for accuracy.

Response: Drawing 3-3 has been renumbered to Drawing 3-4 and the revised limits of the CTDEEP-approved EC have been incorporated into the area subject to TSCA risk-based approval under § 761.61(c).

7. PCB Extraction Method. Prior to 2013, samples for PCBs were extracted using Methods 3545 and 3546, which are not specifically approved methods under 40 CFR § 761.61(a). No discussion was provided to support the efficacy of these methods in extraction of PCBs from Site soils for the purpose of determining PCB concentrations at the Site. Please provide a discussion on these methods to support the current proposed plan.

Response: Samples collected during the initial investigation activities in 2012 were analyzed in accordance with EPA Method 8082, following either pressurized fluid extraction (PFE, EPA Method 3545) or microwave extraction (ME, EPA Method 3546). Samples collected during follow-up investigation activities in 2013, 2014, and 2016 were analyzed in accordance with EPA Method 8082, following Soxhlet extraction (EPA Method 3540C). Please note that the breakdown of samples by extraction method in the Former Building 270 TSCA RAWP had the number of soil samples for the ME and PFE methods switched, and the concrete samples incorrectly listed as ME when they were extracted using the Soxhlet method. The corrected breakdown is provided in the table below, which has been revised to summarize the pre-2016 sample breakdown followed by the 2016 (February, April, and July) samples.

Extraction Method	**Number of Samples**	
	Soil	**Concrete**
Pressurized Fluid	17	-
Microwave	91	-
Soxhlet	109	13
PRE-2016 TOTAL	**217**	**13**
Soxhlet (Microwave)	51 (12)	-
REVISED TOTAL	**278**	-

The number of samples identified in the table above includes field duplicates and laboratory re-extractions.

For samples collected prior to 2016, approximately 50 percent of the soil samples and 100 percent of the concrete samples were analyzed for PCBs following Soxhlet extraction. Most of the remaining samples (approximately 42 percent of the pre-2016 soil samples) were analyzed for PCBs following ME. Fewer than eight percent of the pre-2016 soil samples were analyzed for PCBs following PFE. Although none of the historical samples were analyzed for PCBs following both ME and Soxhlet or PFE and Soxhlet, numerous soil samples were collected from the same areas of the Site and analyzed for PCBs following each extraction method. All of the soil samples collected during 2016 were analyzed for PCBs following Soxhlet extraction. In

addition, ten field samples (and two laboratory replicate samples) collected during July 2016 were also analyzed for PCBs following ME.

A summary of the analytical results by extraction method are provided in the table below.

Depth (feet)	Detection Frequency	Detected Concentration (mg/kg)				
		Minimum	Maximum	Median	Average	Geometric Mean
Soxhlet	96 / 160	0.0353	42.9	0.174	1.02	0.218
ME	40 / 103	0.103	48.18	0.492	3.09	0.773
PFE	3 / 17	0.153	0.259	0.202	0.205	0.200

Although the detection frequency of PCBs following Soxhlet (60%) was higher than the detection frequency following either ME (39%) or PFE (18%), a closer examination of the concentrations detected indicates that the difference in detection frequency is likely related to the lower reporting limit for those samples (0.033 mg/kg for Soxhlet, compared to historical reporting limits of 0.099 to 0.110 mg/kg for ME and 0.100 to 0.110 mg/kg for PFE). As a result, most of the additional detections following Soxhlet extraction appear to be at extremely low PCB concentrations (less than 0.1 mg/kg), as illustrated on Figure 2. Furthermore, the samples analyzed following Soxhlet extraction had the lowest median and geometric mean values. The PCB results following Soxhlet and ME follow a similar distribution, with the majority of the samples having no detectable PCBs or PCBs detected at low levels (less than 1 mg/kg) and the maximum detected concentration between 40 and 50 mg/kg.

All of the samples collected as part of the July 2016 sampling program were analyzed for PCBs following Soxhlet extraction. In addition, a subset of 10 samples in different concentration ranges were also analyzed following ME, to provide a general comparison of the two extraction methods. As shown on Figure 3, with the exception of two samples, the PCB results following ME were generally comparable with the PCB results following Soxhlet. For the two samples with inconsistent results between Soxhlet and ME, the laboratory collected an additional aliquot of soil from the sample jars, homogenized each of the samples, and split the homogenized sample. The split samples were analyzed for PCBs following Soxhlet and ME. Those split analytical results were consistent between the Soxhlet and ME methods, indicating that the initial inconsistent results are likely attributable to heterogeneity in the sample, and not extraction methodology. This heterogeneity can also be seen in two of the duplicate samples collected in this area (B220-SB-533 [0-2’] 1.33 mg/kg and 0.824 mg/kg; B220-SB-178B [14-17’] 7.31 mg/kg and 2.75 mg/kg). The laboratory at which the samples were analyzed no longer utilizes PFE, so no comparison between PFE and Soxhlet results could be made; however, there are a limited number of samples extracted using PFE and they are not in areas used to define the extents of the area subject to TSCA risk-based approval.

Thank you for your assistance with the above-referenced project. If you have any questions or require further information, please contact me at 860-747-6181.

Sincerely,

LOUREIRO ENGINEERING ASSOCIATES, INC.

John K Bogdanski, P.G., L.E.P.
Senior Project Manager

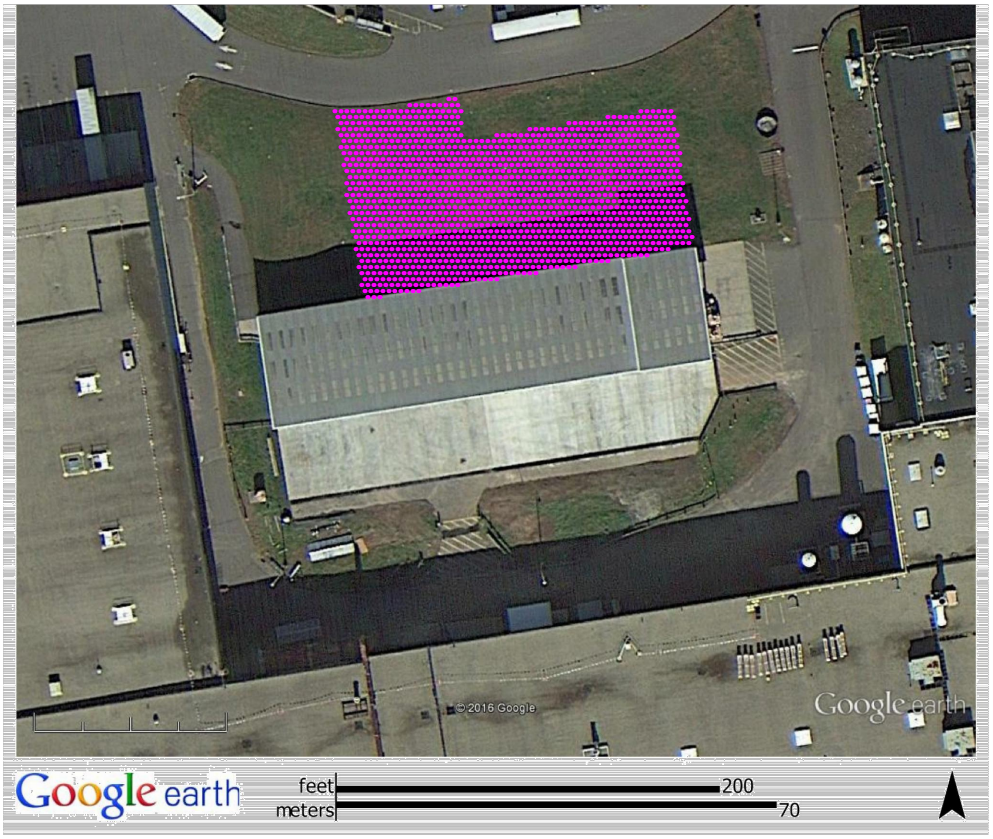
Attachments

Drawing 2-1	Site Map Depicting Location of Former Building 270 Release Area Subject to TSCA Risk-Based Approval
Drawing 3-1	Layout of Former Building 270
Drawing 3-2	Layout of Building 250 and Former Building 270 with Sampling Locations
Drawing 3-3	Distribution of PCBs in Soil and Concrete – Former Building 270
Drawing 3-4	Layout of Building 250 and Area Subject to TSCA Risk-Based Approval
Figure 1	Building 250 Concrete Thickness Measurements
Figure 2	Total PCB Results by Extraction Method
Figure 3	Comparison of Soxhlet and Microwave Extraction Results
Table 3-1	Summary of Soil and Concrete Sampling and Analytical Information
Table 3-2A	Summary of Soil and Concrete PCB Analytical Detections
Table 3-2B	Summary of Soil and Concrete VOC, ETPH, and PAH Analytical Detections
Attachment 1	Building 250 Photographs
Attachment 2	PCB Laboratory Data Sheets

cc: Katherine Woodward, EPA
Gary Trombly, DEEP
Jing Chen, DEEP
Joseph Tota, UTC

Attachments

Attachment 1
Building 250 Photographs



APPOXIMATE LIMITS OF CT DEEP-APPROVED RSR ENGINEERED CONTROL

Photo 1: Aerial view of Building 250. Building 220 is present to the west, south and east of Building 250. The grassed area directly north of Building 250 is the area where the EC will be installed. There are three entrances to the Building 250 area, a broad ramp leading up to the platform on the eastern side of the building, a narrow ramp leading up to the platform on the northwestern building corner, and a paved entry south of the building. There is a concrete apron directly south of Building 250, bordered by a strip of asphalt paving to the south, and grass to the west and east.

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Photo 2: View of eastern entrance to Building 250. Asphalt paving leading to concrete apron directly adjacent to building.

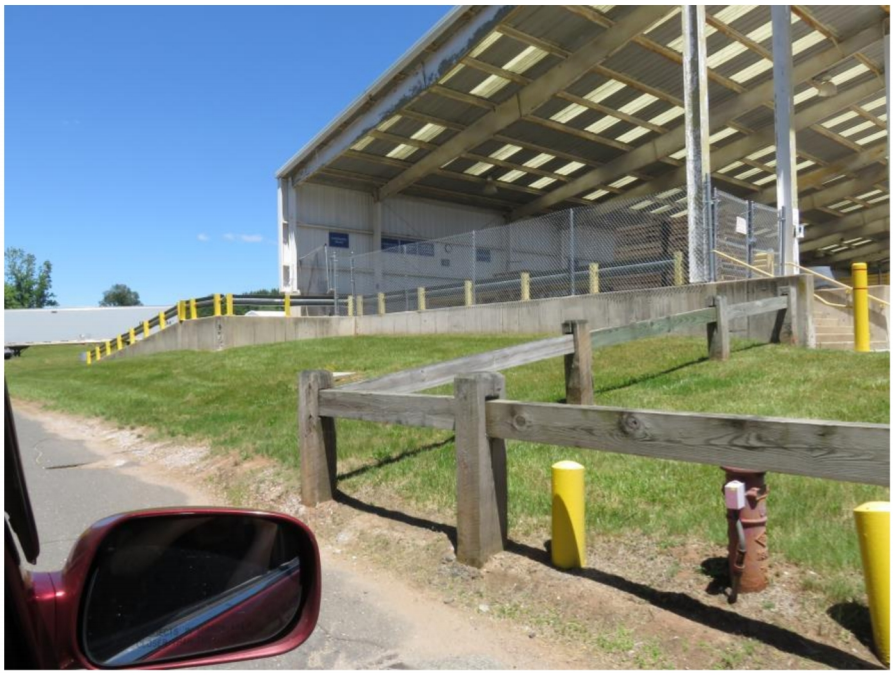

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Photo 3: View of western side of Building 250. Ramp leading to northwestern entrance to Building 250 visible at left of photo. This portion of Building 250 is outside the area subject to TSCA risk-based disposal.

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Photo 4: View of northern side of Building 250 and ramp leading to northwestern entrance of building. The grassy areas in left portion of the photo are where the EC will be installed.

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Photo 5: View of northern side of Building 250 looking towards eastern entrance to building. The grassy areas in the photo are where the EC will be installed.

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Photo 6: View of entrance south of Building 250.

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Photo 7: View of first (easternmost) roll-off bay and surrounding platforms.

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Photo 8: View of second roll-off bay and platforms.

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Photo 9: View of third roll-off bay and platforms.

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Photo 10: View of fourth roll-off bay and platforms.

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Photo 11: View of fifth roll-off bay and platforms.

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Photo 12: View of sixth roll-off bay and platforms. This roll-off bay is outside the area subject to TSCA risk-based disposal. Northwestern entrance to building is outside frame of photo at rear left.

Attachment 2
Laboratory Data Sheets

Report of Analysis

Client Sample ID:	1359621		
Lab Sample ID:	MC46720-1	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	95.5
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB68251.D	1	07/06/16	NK	07/05/16	OP48060	GBB3629
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	34	ug/kg	
11104-28-2	Aroclor 1221	ND	34	ug/kg	
11141-16-5	Aroclor 1232	ND	34	ug/kg	
53469-21-9	Aroclor 1242	ND	34	ug/kg	
12672-29-6	Aroclor 1248	ND	34	ug/kg	
11097-69-1	Aroclor 1254	ND	34	ug/kg	
11096-82-5	Aroclor 1260	ND	34	ug/kg	
37324-23-5	Aroclor 1262	ND	34	ug/kg	
11100-14-4	Aroclor 1268	ND	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	109%		35-136%
877-09-8	Tetrachloro-m-xylene	79%		35-136%
2051-24-3	Decachlorobiphenyl	151%		24-171%
2051-24-3	Decachlorobiphenyl	117%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359624		
Lab Sample ID:	MC46720-4	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	86.8
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB68252.D	1	07/06/16	NK	07/05/16	OP48060	GBB3629
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	37	ug/kg	
11104-28-2	Aroclor 1221	ND	37	ug/kg	
11141-16-5	Aroclor 1232	ND	37	ug/kg	
53469-21-9	Aroclor 1242	ND	37	ug/kg	
12672-29-6	Aroclor 1248	ND	37	ug/kg	
11097-69-1	Aroclor 1254	ND	37	ug/kg	
11096-82-5	Aroclor 1260	ND	37	ug/kg	
37324-23-5	Aroclor 1262	ND	37	ug/kg	
11100-14-4	Aroclor 1268	ND	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	115%		35-136%
877-09-8	Tetrachloro-m-xylene	86%		35-136%
2051-24-3	Decachlorobiphenyl	164%		24-171%
2051-24-3	Decachlorobiphenyl	129%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359626		
Lab Sample ID:	MC46720-6	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	91.5
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59878.D	1	07/07/16	NK	07/05/16	OP48060	GBK1874
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	35	ug/kg	
11104-28-2	Aroclor 1221	ND	35	ug/kg	
11141-16-5	Aroclor 1232	ND	35	ug/kg	
53469-21-9	Aroclor 1242	ND	35	ug/kg	
12672-29-6	Aroclor 1248	39.8	35	ug/kg	
11097-69-1	Aroclor 1254	ND	35	ug/kg	
11096-82-5	Aroclor 1260	ND	35	ug/kg	
37324-23-5	Aroclor 1262	ND	35	ug/kg	
11100-14-4	Aroclor 1268	ND	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		35-136%
877-09-8	Tetrachloro-m-xylene	66%		35-136%
2051-24-3	Decachlorobiphenyl	161%		24-171%
2051-24-3	Decachlorobiphenyl	83%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359629		
Lab Sample ID:	MC46720-9	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	90.0
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59879.D	1	07/07/16	NK	07/05/16	OP48060	GBK1874
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	37	ug/kg	
11104-28-2	Aroclor 1221	ND	37	ug/kg	
11141-16-5	Aroclor 1232	ND	37	ug/kg	
53469-21-9	Aroclor 1242	ND	37	ug/kg	
12672-29-6	Aroclor 1248	ND	37	ug/kg	
11097-69-1	Aroclor 1254	94.4	37	ug/kg	
11096-82-5	Aroclor 1260	ND	37	ug/kg	
37324-23-5	Aroclor 1262	ND	37	ug/kg	
11100-14-4	Aroclor 1268	ND	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%		35-136%
877-09-8	Tetrachloro-m-xylene	87%		35-136%
2051-24-3	Decachlorobiphenyl	130%		24-171%
2051-24-3	Decachlorobiphenyl	101%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359631		
Lab Sample ID:	MC46720-11	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	97.5
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59880.D	1	07/07/16	NK	07/05/16	OP48060	GBK1874
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	33	ug/kg	
11104-28-2	Aroclor 1221	ND	33	ug/kg	
11141-16-5	Aroclor 1232	ND	33	ug/kg	
53469-21-9	Aroclor 1242	ND	33	ug/kg	
12672-29-6	Aroclor 1248	ND	33	ug/kg	
11097-69-1	Aroclor 1254	ND	33	ug/kg	
11096-82-5	Aroclor 1260	ND	33	ug/kg	
37324-23-5	Aroclor 1262	ND	33	ug/kg	
11100-14-4	Aroclor 1268	ND	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	118%		35-136%
877-09-8	Tetrachloro-m-xylene	108%		35-136%
2051-24-3	Decachlorobiphenyl	132%		24-171%
2051-24-3	Decachlorobiphenyl	112%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359632		
Lab Sample ID:	MC46720-12	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	96.4
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB68257.D	1	07/06/16	NK	07/05/16	OP48060	GBB3629
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	34	ug/kg	
11104-28-2	Aroclor 1221	ND	34	ug/kg	
11141-16-5	Aroclor 1232	ND	34	ug/kg	
53469-21-9	Aroclor 1242	ND	34	ug/kg	
12672-29-6	Aroclor 1248	ND	34	ug/kg	
11097-69-1	Aroclor 1254	ND	34	ug/kg	
11096-82-5	Aroclor 1260	ND	34	ug/kg	
37324-23-5	Aroclor 1262	ND	34	ug/kg	
11100-14-4	Aroclor 1268	ND	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	120%		35-136%
877-09-8	Tetrachloro-m-xylene	80%		35-136%
2051-24-3	Decachlorobiphenyl	156%		24-171%
2051-24-3	Decachlorobiphenyl	115%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359635		
Lab Sample ID:	MC46720-15	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	91.1
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59882.D	1	07/07/16	NK	07/05/16	OP48060	GBK1874
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	36	ug/kg	
11104-28-2	Aroclor 1221	ND	36	ug/kg	
11141-16-5	Aroclor 1232	ND	36	ug/kg	
53469-21-9	Aroclor 1242	ND	36	ug/kg	
12672-29-6	Aroclor 1248 [a]	77.8	36	ug/kg	
11097-69-1	Aroclor 1254	81.2	36	ug/kg	
11096-82-5	Aroclor 1260	ND	36	ug/kg	
37324-23-5	Aroclor 1262	ND	36	ug/kg	
11100-14-4	Aroclor 1268	ND	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		35-136%
877-09-8	Tetrachloro-m-xylene	78%		35-136%
2051-24-3	Decachlorobiphenyl	102%		24-171%
2051-24-3	Decachlorobiphenyl	69%		24-171%

(a) Estimated value due to the presence of other Aroclor pattern.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359638		
Lab Sample ID:	MC46720-18	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	92.0
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59883.D	1	07/07/16	NK	07/05/16	OP48060	GBK1874
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	35	ug/kg	
11104-28-2	Aroclor 1221	ND	35	ug/kg	
11141-16-5	Aroclor 1232	ND	35	ug/kg	
53469-21-9	Aroclor 1242	ND	35	ug/kg	
12672-29-6	Aroclor 1248	ND	35	ug/kg	
11097-69-1	Aroclor 1254	124	35	ug/kg	
11096-82-5	Aroclor 1260	ND	35	ug/kg	
37324-23-5	Aroclor 1262	ND	35	ug/kg	
11100-14-4	Aroclor 1268	ND	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%		35-136%
877-09-8	Tetrachloro-m-xylene	89%		35-136%
2051-24-3	Decachlorobiphenyl	145%		24-171%
2051-24-3	Decachlorobiphenyl	93%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359641		
Lab Sample ID:	MC46720-21	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	88.7
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59884.D	1	07/07/16	NK	07/05/16	OP48060	GBK1874
Run #2	BK59885.D	20	07/07/16	NK	07/05/16	OP48060	GBK1874

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2	15.5 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	36	ug/kg	
11104-28-2	Aroclor 1221	ND	36	ug/kg	
11141-16-5	Aroclor 1232	ND	36	ug/kg	
53469-21-9	Aroclor 1242	4210 [a]	730	ug/kg	
12672-29-6	Aroclor 1248 [b]	3990 [a]	730	ug/kg	
11097-69-1	Aroclor 1254	ND	36	ug/kg	
11096-82-5	Aroclor 1260	ND	36	ug/kg	
37324-23-5	Aroclor 1262	ND	36	ug/kg	
11100-14-4	Aroclor 1268	ND	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	115%	0% [c]	35-136%
877-09-8	Tetrachloro-m-xylene	82%	0% [c]	35-136%
2051-24-3	Decachlorobiphenyl	521% [d]	0% [c]	24-171%
2051-24-3	Decachlorobiphenyl	83%	0% [c]	24-171%

(a) Result is from Run# 2
(b) Estimated value due to the presence of other Aroclor pattern.
(c) Outside control limits due to dilution.
(d) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359642		
Lab Sample ID:	MC46720-22	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	96.4
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59886.D	1	07/07/16	NK	07/02/16	OP48040	GBK1874
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	34	ug/kg	
11104-28-2	Aroclor 1221	ND	34	ug/kg	
11141-16-5	Aroclor 1232	ND	34	ug/kg	
53469-21-9	Aroclor 1242	ND	34	ug/kg	
12672-29-6	Aroclor 1248	ND	34	ug/kg	
11097-69-1	Aroclor 1254	106	34	ug/kg	
11096-82-5	Aroclor 1260	ND	34	ug/kg	
37324-23-5	Aroclor 1262	ND	34	ug/kg	
11100-14-4	Aroclor 1268	ND	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	113%		35-136%
877-09-8	Tetrachloro-m-xylene	89%		35-136%
2051-24-3	Decachlorobiphenyl	121%		24-171%
2051-24-3	Decachlorobiphenyl	88%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359643		
Lab Sample ID:	MC46720-23	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	89.9
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59888.D	1	07/07/16	NK	07/02/16	OP48040	GBK1874
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	35	ug/kg	
11104-28-2	Aroclor 1221	ND	35	ug/kg	
11141-16-5	Aroclor 1232	ND	35	ug/kg	
53469-21-9	Aroclor 1242	ND	35	ug/kg	
12672-29-6	Aroclor 1248	ND	35	ug/kg	
11097-69-1	Aroclor 1254	38.5	35	ug/kg	
11096-82-5	Aroclor 1260	ND	35	ug/kg	
37324-23-5	Aroclor 1262	ND	35	ug/kg	
11100-14-4	Aroclor 1268	ND	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%		35-136%
877-09-8	Tetrachloro-m-xylene	96%		35-136%
2051-24-3	Decachlorobiphenyl	115%		24-171%
2051-24-3	Decachlorobiphenyl	88%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359645		
Lab Sample ID:	MC46720-25	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	91.3
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59889.D	1	07/07/16	NK	07/02/16	OP48040	GBK1874
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	36	ug/kg	
11104-28-2	Aroclor 1221	ND	36	ug/kg	
11141-16-5	Aroclor 1232	ND	36	ug/kg	
53469-21-9	Aroclor 1242	ND	36	ug/kg	
12672-29-6	Aroclor 1248	ND	36	ug/kg	
11097-69-1	Aroclor 1254	48.5	36	ug/kg	
11096-82-5	Aroclor 1260	ND	36	ug/kg	
37324-23-5	Aroclor 1262	ND	36	ug/kg	
11100-14-4	Aroclor 1268	ND	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	95%		35-136%
877-09-8	Tetrachloro-m-xylene	62%		35-136%
2051-24-3	Decachlorobiphenyl	111%		24-171%
2051-24-3	Decachlorobiphenyl	80%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359647		
Lab Sample ID:	MC46720-27	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	91.7
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59890.D	1	07/07/16	NK	07/02/16	OP48040	GBK1874
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	35	ug/kg	
11104-28-2	Aroclor 1221	ND	35	ug/kg	
11141-16-5	Aroclor 1232	ND	35	ug/kg	
53469-21-9	Aroclor 1242	ND	35	ug/kg	
12672-29-6	Aroclor 1248	ND	35	ug/kg	
11097-69-1	Aroclor 1254	100	35	ug/kg	
11096-82-5	Aroclor 1260	ND	35	ug/kg	
37324-23-5	Aroclor 1262	ND	35	ug/kg	
11100-14-4	Aroclor 1268	ND	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%		35-136%
877-09-8	Tetrachloro-m-xylene	81%		35-136%
2051-24-3	Decachlorobiphenyl	117%		24-171%
2051-24-3	Decachlorobiphenyl	80%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359650		
Lab Sample ID:	MC46720-30	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	90.3
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59891.D	1	07/07/16	NK	07/02/16	OP48040	GBK1874
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	36	ug/kg	
11104-28-2	Aroclor 1221	ND	36	ug/kg	
11141-16-5	Aroclor 1232	ND	36	ug/kg	
53469-21-9	Aroclor 1242	ND	36	ug/kg	
12672-29-6	Aroclor 1248	436	36	ug/kg	
11097-69-1	Aroclor 1254 [a]	195	36	ug/kg	
11096-82-5	Aroclor 1260	ND	36	ug/kg	
37324-23-5	Aroclor 1262	ND	36	ug/kg	
11100-14-4	Aroclor 1268	ND	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%		35-136%
877-09-8	Tetrachloro-m-xylene	73%		35-136%
2051-24-3	Decachlorobiphenyl	205% [b]		24-171%
2051-24-3	Decachlorobiphenyl	79%		24-171%

(a) Estimated value due to the presence of other Aroclor pattern.
(b) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359651		
Lab Sample ID:	MC46720-31	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	95.5
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59892.D	1	07/07/16	NK	07/02/16	OP48040	GBK1874
Run #2	BK59895.D	5	07/07/16	NK	07/02/16	OP48040	GBK1874

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2	15.4 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	34	ug/kg	
11104-28-2	Aroclor 1221	ND	34	ug/kg	
11141-16-5	Aroclor 1232	ND	34	ug/kg	
53469-21-9	Aroclor 1242	ND	34	ug/kg	
12672-29-6	Aroclor 1248	ND	34	ug/kg	
11097-69-1	Aroclor 1254	816 [a]	170	ug/kg	
11096-82-5	Aroclor 1260	ND	34	ug/kg	
37324-23-5	Aroclor 1262	ND	34	ug/kg	
11100-14-4	Aroclor 1268	ND	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%	105%	35-136%
877-09-8	Tetrachloro-m-xylene	84%	102%	35-136%
2051-24-3	Decachlorobiphenyl	114%	137%	24-171%
2051-24-3	Decachlorobiphenyl	84%	120%	24-171%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359652		
Lab Sample ID:	MC46720-32	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	95.7
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59784.D	1	07/05/16	NK	07/02/16	OP48040	GBK1871
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	33	ug/kg	
11104-28-2	Aroclor 1221	ND	33	ug/kg	
11141-16-5	Aroclor 1232	ND	33	ug/kg	
53469-21-9	Aroclor 1242	ND	33	ug/kg	
12672-29-6	Aroclor 1248	ND	33	ug/kg	
11097-69-1	Aroclor 1254	588	33	ug/kg	
11096-82-5	Aroclor 1260	ND	33	ug/kg	
37324-23-5	Aroclor 1262	ND	33	ug/kg	
11100-14-4	Aroclor 1268	ND	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		35-136%
877-09-8	Tetrachloro-m-xylene	75%		35-136%
2051-24-3	Decachlorobiphenyl	140%		24-171%
2051-24-3	Decachlorobiphenyl	86%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359653		
Lab Sample ID:	MC46720-33	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	94.2
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59785.D	1	07/05/16	NK	07/02/16	OP48040	GBK1871
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	34	ug/kg	
11104-28-2	Aroclor 1221	ND	34	ug/kg	
11141-16-5	Aroclor 1232	ND	34	ug/kg	
53469-21-9	Aroclor 1242	ND	34	ug/kg	
12672-29-6	Aroclor 1248	ND	34	ug/kg	
11097-69-1	Aroclor 1254	126	34	ug/kg	
11096-82-5	Aroclor 1260	ND	34	ug/kg	
37324-23-5	Aroclor 1262	ND	34	ug/kg	
11100-14-4	Aroclor 1268	ND	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		35-136%
877-09-8	Tetrachloro-m-xylene	97%		35-136%
2051-24-3	Decachlorobiphenyl	99%		24-171%
2051-24-3	Decachlorobiphenyl	88%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359655		
Lab Sample ID:	MC46720-35	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	90.9
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59786.D	1	07/05/16	NK	07/02/16	OP48040	GBK1871
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	36	ug/kg	
11104-28-2	Aroclor 1221	ND	36	ug/kg	
11141-16-5	Aroclor 1232	ND	36	ug/kg	
53469-21-9	Aroclor 1242 [a]	42.4	36	ug/kg	
12672-29-6	Aroclor 1248	ND	36	ug/kg	
11097-69-1	Aroclor 1254	51.8	36	ug/kg	
11096-82-5	Aroclor 1260	ND	36	ug/kg	
37324-23-5	Aroclor 1262	ND	36	ug/kg	
11100-14-4	Aroclor 1268	ND	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		35-136%
877-09-8	Tetrachloro-m-xylene	75%		35-136%
2051-24-3	Decachlorobiphenyl	108%		24-171%
2051-24-3	Decachlorobiphenyl	74%		24-171%

(a) Estimated value due to the presence of other Aroclor pattern.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359657		
Lab Sample ID:	MC46720-37	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	91.7
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59787.D	1	07/05/16	NK	07/02/16	OP48040	GBK1871
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	36	ug/kg	
11104-28-2	Aroclor 1221	ND	36	ug/kg	
11141-16-5	Aroclor 1232	ND	36	ug/kg	
53469-21-9	Aroclor 1242	ND	36	ug/kg	
12672-29-6	Aroclor 1248	ND	36	ug/kg	
11097-69-1	Aroclor 1254	237	36	ug/kg	
11096-82-5	Aroclor 1260	ND	36	ug/kg	
37324-23-5	Aroclor 1262	ND	36	ug/kg	
11100-14-4	Aroclor 1268	ND	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		35-136%
877-09-8	Tetrachloro-m-xylene	86%		35-136%
2051-24-3	Decachlorobiphenyl	128%		24-171%
2051-24-3	Decachlorobiphenyl	80%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359658		
Lab Sample ID:	MC46720-38	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	90.6
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59788.D	1	07/05/16	NK	07/02/16	OP48040	GBK1871
Run #2	BK59806.D	5	07/06/16	NK	07/02/16	OP48040	GBK1872

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2	15.6 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	35	ug/kg	
11104-28-2	Aroclor 1221	ND	35	ug/kg	
11141-16-5	Aroclor 1232	ND	35	ug/kg	
53469-21-9	Aroclor 1242	ND	35	ug/kg	
12672-29-6	Aroclor 1248	ND	35	ug/kg	
11097-69-1	Aroclor 1254	903 [a]	180	ug/kg	
11096-82-5	Aroclor 1260	ND	35	ug/kg	
37324-23-5	Aroclor 1262	ND	35	ug/kg	
11100-14-4	Aroclor 1268	ND	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%	93%	35-136%
877-09-8	Tetrachloro-m-xylene	91%	94%	35-136%
2051-24-3	Decachlorobiphenyl	112%	133%	24-171%
2051-24-3	Decachlorobiphenyl	79%	113%	24-171%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359659		
Lab Sample ID:	MC46720-39	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	95.0
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59789.D	1	07/05/16	NK	07/02/16	OP48040	GBK1871
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	34	ug/kg	
11104-28-2	Aroclor 1221	ND	34	ug/kg	
11141-16-5	Aroclor 1232	ND	34	ug/kg	
53469-21-9	Aroclor 1242	ND	34	ug/kg	
12672-29-6	Aroclor 1248	ND	34	ug/kg	
11097-69-1	Aroclor 1254	121	34	ug/kg	
11096-82-5	Aroclor 1260	ND	34	ug/kg	
37324-23-5	Aroclor 1262	ND	34	ug/kg	
11100-14-4	Aroclor 1268	ND	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		35-136%
877-09-8	Tetrachloro-m-xylene	94%		35-136%
2051-24-3	Decachlorobiphenyl	93%		24-171%
2051-24-3	Decachlorobiphenyl	77%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359660		
Lab Sample ID:	MC46720-40	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	85.6
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59790.D	1	07/05/16	NK	07/02/16	OP48040	GBK1871
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	38	ug/kg	
11104-28-2	Aroclor 1221	ND	38	ug/kg	
11141-16-5	Aroclor 1232	ND	38	ug/kg	
53469-21-9	Aroclor 1242	ND	38	ug/kg	
12672-29-6	Aroclor 1248	ND	38	ug/kg	
11097-69-1	Aroclor 1254	42.3	38	ug/kg	
11096-82-5	Aroclor 1260	ND	38	ug/kg	
37324-23-5	Aroclor 1262	ND	38	ug/kg	
11100-14-4	Aroclor 1268	ND	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		35-136%
877-09-8	Tetrachloro-m-xylene	80%		35-136%
2051-24-3	Decachlorobiphenyl	90%		24-171%
2051-24-3	Decachlorobiphenyl	71%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359664		
Lab Sample ID:	MC46720-44	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	92.0
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59808.D	1	07/06/16	NK	07/02/16	OP48040	GBK1872
Run #2	BK59839.D	200	07/06/16	NK	07/02/16	OP48040	GBK1872

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2	15.8 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	34	ug/kg	
11104-28-2	Aroclor 1221	ND	34	ug/kg	
11141-16-5	Aroclor 1232	ND	34	ug/kg	
53469-21-9	Aroclor 1242	ND	34	ug/kg	
12672-29-6	Aroclor 1248	ND	34	ug/kg	
11097-69-1	Aroclor 1254	42900 [a]	6900	ug/kg	
11096-82-5	Aroclor 1260	ND	34	ug/kg	
37324-23-5	Aroclor 1262	ND	34	ug/kg	
11100-14-4	Aroclor 1268	ND	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	121%	0% [b]	35-136%
877-09-8	Tetrachloro-m-xylene	122%	0% [b]	35-136%
2051-24-3	Decachlorobiphenyl	194% [c]	0% [b]	24-171%
2051-24-3	Decachlorobiphenyl	138%	0% [b]	24-171%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.
(c) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359666		
Lab Sample ID:	MC46720-46	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	90.8
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59809.D	1	07/06/16	NK	07/02/16	OP48040	GBK1872
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	36	ug/kg	
11104-28-2	Aroclor 1221	ND	36	ug/kg	
11141-16-5	Aroclor 1232	ND	36	ug/kg	
53469-21-9	Aroclor 1242	ND	36	ug/kg	
12672-29-6	Aroclor 1248	ND	36	ug/kg	
11097-69-1	Aroclor 1254	69.1	36	ug/kg	
11096-82-5	Aroclor 1260	ND	36	ug/kg	
37324-23-5	Aroclor 1262	ND	36	ug/kg	
11100-14-4	Aroclor 1268	ND	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		35-136%
877-09-8	Tetrachloro-m-xylene	73%		35-136%
2051-24-3	Decachlorobiphenyl	112%		24-171%
2051-24-3	Decachlorobiphenyl	81%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359667		
Lab Sample ID:	MC46720-47	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	91.1
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59810.D	1	07/06/16	NK	07/02/16	OP48040	GBK1872
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	36	ug/kg	
11104-28-2	Aroclor 1221	ND	36	ug/kg	
11141-16-5	Aroclor 1232	ND	36	ug/kg	
53469-21-9	Aroclor 1242	ND	36	ug/kg	
12672-29-6	Aroclor 1248	ND	36	ug/kg	
11097-69-1	Aroclor 1254	ND	36	ug/kg	
11096-82-5	Aroclor 1260	ND	36	ug/kg	
37324-23-5	Aroclor 1262	ND	36	ug/kg	
11100-14-4	Aroclor 1268	ND	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%		35-136%
877-09-8	Tetrachloro-m-xylene	2193% [a]		35-136%
2051-24-3	Decachlorobiphenyl	221% [a]		24-171%
2051-24-3	Decachlorobiphenyl	186% [a]		24-171%

(a) Outside control limits.Sample non-detect.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359668		
Lab Sample ID:	MC46720-48	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	89.8
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	BK59811.D	20	07/06/16	NK	07/02/16	OP48040	GBK1872
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	720	ug/kg	
11104-28-2	Aroclor 1221	ND	720	ug/kg	
11141-16-5	Aroclor 1232	ND	720	ug/kg	
53469-21-9	Aroclor 1242	ND	720	ug/kg	
12672-29-6	Aroclor 1248	ND	720	ug/kg	
11097-69-1	Aroclor 1254	ND	720	ug/kg	
11096-82-5	Aroclor 1260	ND	720	ug/kg	
37324-23-5	Aroclor 1262	ND	720	ug/kg	
11100-14-4	Aroclor 1268	ND	720	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		35-136%
877-09-8	Tetrachloro-m-xylene	104%		35-136%
2051-24-3	Decachlorobiphenyl	711% [b]		24-171%
2051-24-3	Decachlorobiphenyl	88%		24-171%

(a) Elevated RL due to dilution required for matrix interference.
(b) Outside control limits.Sample non-detect.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359669		
Lab Sample ID:	MC46720-49	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	96.9
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59812.D	1	07/06/16	NK	07/02/16	OP48040	GBK1872
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	34	ug/kg	
11104-28-2	Aroclor 1221	ND	34	ug/kg	
11141-16-5	Aroclor 1232	ND	34	ug/kg	
53469-21-9	Aroclor 1242	ND	34	ug/kg	
12672-29-6	Aroclor 1248	ND	34	ug/kg	
11097-69-1	Aroclor 1254	170	34	ug/kg	
11096-82-5	Aroclor 1260	ND	34	ug/kg	
37324-23-5	Aroclor 1262	ND	34	ug/kg	
11100-14-4	Aroclor 1268	ND	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		35-136%
877-09-8	Tetrachloro-m-xylene	74%		35-136%
2051-24-3	Decachlorobiphenyl	158%		24-171%
2051-24-3	Decachlorobiphenyl	89%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359670		
Lab Sample ID:	MC46720-50	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	94.5
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	BK59813.D	20	07/06/16	NK	07/02/16	OP48040	GBK1872
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	700	ug/kg	
11104-28-2	Aroclor 1221	ND	700	ug/kg	
11141-16-5	Aroclor 1232	ND	700	ug/kg	
53469-21-9	Aroclor 1242	ND	700	ug/kg	
12672-29-6	Aroclor 1248	ND	700	ug/kg	
11097-69-1	Aroclor 1254	ND	700	ug/kg	
11096-82-5	Aroclor 1260	ND	700	ug/kg	
37324-23-5	Aroclor 1262	ND	700	ug/kg	
11100-14-4	Aroclor 1268	ND	700	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	160% [b]		35-136%
877-09-8	Tetrachloro-m-xylene	148% [b]		35-136%
2051-24-3	Decachlorobiphenyl	479% [b]		24-171%
2051-24-3	Decachlorobiphenyl	175% [b]		24-171%

(a) Elevated RL due to dilution required for matrix interference.
(b) Outside control limits.Sample non-detect.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359673		
Lab Sample ID:	MC46720-51	**Date Sampled:**	07/01/16
Matrix:	AQ - Ground Water	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB68248.D	1	07/06/16	NK	07/06/16	OP48074	GBB3629
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	5.0 ml
Run #2		

CT Polychlorinated Biphenyls RCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.25	ug/l	
11104-28-2	Aroclor 1221	ND	0.25	ug/l	
11141-16-5	Aroclor 1232	ND	0.25	ug/l	
53469-21-9	Aroclor 1242	ND	0.25	ug/l	
12672-29-6	Aroclor 1248	ND	0.25	ug/l	
11097-69-1	Aroclor 1254	ND	0.25	ug/l	
11096-82-5	Aroclor 1260	ND	0.25	ug/l	
37324-23-5	Aroclor 1262	ND	0.25	ug/l	
11100-14-4	Aroclor 1268	ND	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		15-139%
877-09-8	Tetrachloro-m-xylene	59%		15-139%
2051-24-3	Decachlorobiphenyl	78%		10-148%
2051-24-3	Decachlorobiphenyl	55%		10-148%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359675		
Lab Sample ID:	MC46720-52	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	97.2
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59893.D	1	07/07/16	NK	07/05/16	OP48060	GBK1874
Run #2	BK59896.D	5	07/07/16	NK	07/05/16	OP48060	GBK1874

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2	15.7 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	33	ug/kg	
11104-28-2	Aroclor 1221	ND	33	ug/kg	
11141-16-5	Aroclor 1232	ND	33	ug/kg	
53469-21-9	Aroclor 1242	ND	33	ug/kg	
12672-29-6	Aroclor 1248	ND	33	ug/kg	
11097-69-1	Aroclor 1254	1880 [a]	160	ug/kg	
11096-82-5	Aroclor 1260	ND	33	ug/kg	
37324-23-5	Aroclor 1262	ND	33	ug/kg	
11100-14-4	Aroclor 1268	ND	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%	77%	35-136%
877-09-8	Tetrachloro-m-xylene	72%	74%	35-136%
2051-24-3	Decachlorobiphenyl	105%	117%	24-171%
2051-24-3	Decachlorobiphenyl	82%	102%	24-171%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359676		
Lab Sample ID:	MC46720-56	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	94.4
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59894.D	1	07/07/16	NK	07/05/16	OP48060	GBK1874
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	35	ug/kg	
11104-28-2	Aroclor 1221	ND	35	ug/kg	
11141-16-5	Aroclor 1232	ND	35	ug/kg	
53469-21-9	Aroclor 1242	ND	35	ug/kg	
12672-29-6	Aroclor 1248	ND	35	ug/kg	
11097-69-1	Aroclor 1254	ND	35	ug/kg	
11096-82-5	Aroclor 1260	ND	35	ug/kg	
37324-23-5	Aroclor 1262	ND	35	ug/kg	
11100-14-4	Aroclor 1268	ND	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	119%		35-136%
877-09-8	Tetrachloro-m-xylene	124%		35-136%
2051-24-3	Decachlorobiphenyl	134%		24-171%
2051-24-3	Decachlorobiphenyl	113%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359693		
Lab Sample ID:	MC46748-1	**Date Sampled:**	07/06/16
Matrix:	SO - Soil	**Date Received:**	07/06/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	95.5
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59904.D	1	07/07/16	NK	07/06/16	OP48078	GBK1874
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	34	ug/kg	
11104-28-2	Aroclor 1221	ND	34	ug/kg	
11141-16-5	Aroclor 1232	ND	34	ug/kg	
53469-21-9	Aroclor 1242	ND	34	ug/kg	
12672-29-6	Aroclor 1248	ND	34	ug/kg	
11097-69-1	Aroclor 1254	69.5	34	ug/kg	
11096-82-5	Aroclor 1260	ND	34	ug/kg	
37324-23-5	Aroclor 1262	ND	34	ug/kg	
11100-14-4	Aroclor 1268	ND	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%		35-136%
877-09-8	Tetrachloro-m-xylene	101%		35-136%
2051-24-3	Decachlorobiphenyl	140%		24-171%
2051-24-3	Decachlorobiphenyl	113%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359694		
Lab Sample ID:	MC46748-2	**Date Sampled:**	07/06/16
Matrix:	SO - Soil	**Date Received:**	07/06/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	97.5
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59905.D	1	07/07/16	NK	07/06/16	OP48078	GBK1874
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	34	ug/kg	
11104-28-2	Aroclor 1221	ND	34	ug/kg	
11141-16-5	Aroclor 1232	ND	34	ug/kg	
53469-21-9	Aroclor 1242	ND	34	ug/kg	
12672-29-6	Aroclor 1248	ND	34	ug/kg	
11097-69-1	Aroclor 1254	91.6	34	ug/kg	
11096-82-5	Aroclor 1260	ND	34	ug/kg	
37324-23-5	Aroclor 1262	ND	34	ug/kg	
11100-14-4	Aroclor 1268	ND	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	52%		35-136%
877-09-8	Tetrachloro-m-xylene	44%		35-136%
2051-24-3	Decachlorobiphenyl	73%		24-171%
2051-24-3	Decachlorobiphenyl	62%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359635		
Lab Sample ID:	MC46720-15T	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	91.1
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59972.D	1	07/12/16	NK	07/10/16	OP48108	GBK1877
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

CT Polychlorinated Biphenyls RCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	35	ug/kg	
11104-28-2	Aroclor 1221	ND	35	ug/kg	
11141-16-5	Aroclor 1232	ND	35	ug/kg	
53469-21-9	Aroclor 1242	ND	35	ug/kg	
12672-29-6	Aroclor 1248	73.4	35	ug/kg	
11097-69-1	Aroclor 1254 [a]	62.8	35	ug/kg	
11096-82-5	Aroclor 1260	ND	35	ug/kg	
37324-23-5	Aroclor 1262	ND	35	ug/kg	
11100-14-4	Aroclor 1268	ND	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		35-136%
877-09-8	Tetrachloro-m-xylene	69%		35-136%
2051-24-3	Decachlorobiphenyl	94%		24-171%
2051-24-3	Decachlorobiphenyl	67%		24-171%

(a) Estimated value due to the presence of other Aroclor pattern.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359641		
Lab Sample ID:	MC46720-21T	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	88.7
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59973.D	1	07/12/16	NK	07/10/16	OP48108	GBK1877
Run #2 [a]	BK60033.D	1	07/15/16	NK	07/13/16	OP48137	GBK1880

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2	15.0 g	10.0 ml

CT Polychlorinated Biphenyls RCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	37	ug/kg	
11104-28-2	Aroclor 1221	ND	37	ug/kg	
11141-16-5	Aroclor 1232	ND	37	ug/kg	
53469-21-9	Aroclor 1242	361	37	ug/kg	
12672-29-6	Aroclor 1248	ND	37	ug/kg	
11097-69-1	Aroclor 1254 [b]	211	37	ug/kg	
11096-82-5	Aroclor 1260 [b]	52.2	37	ug/kg	
37324-23-5	Aroclor 1262	ND	37	ug/kg	
11100-14-4	Aroclor 1268	ND	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	65%	80%	35-136%
877-09-8	Tetrachloro-m-xylene	47%	60%	35-136%
2051-24-3	Decachlorobiphenyl	182% [c]	189% [c]	24-171%
2051-24-3	Decachlorobiphenyl	47%	63%	24-171%

(a) Confirmation run.
(b) Estimated value due to the presence of other Aroclor pattern.
(c) Outside control limits due to possible matrix interference. Confirmed by re-extraction/re-analysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359651		
Lab Sample ID:	MC46720-31T	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	95.5
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59974.D	1	07/12/16	NK	07/10/16	OP48108	GBK1877
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

CT Polychlorinated Biphenyls RCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	33	ug/kg	
11104-28-2	Aroclor 1221	ND	33	ug/kg	
11141-16-5	Aroclor 1232	ND	33	ug/kg	
53469-21-9	Aroclor 1242	ND	33	ug/kg	
12672-29-6	Aroclor 1248	ND	33	ug/kg	
11097-69-1	Aroclor 1254	477	33	ug/kg	
11096-82-5	Aroclor 1260	ND	33	ug/kg	
37324-23-5	Aroclor 1262	ND	33	ug/kg	
11100-14-4	Aroclor 1268	ND	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	65%		35-136%
877-09-8	Tetrachloro-m-xylene	63%		35-136%
2051-24-3	Decachlorobiphenyl	86%		24-171%
2051-24-3	Decachlorobiphenyl	65%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359652		
Lab Sample ID:	MC46720-32T	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	95.7
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59975.D	1	07/12/16	NK	07/10/16	OP48108	GBK1877
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

CT Polychlorinated Biphenyls RCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	33	ug/kg	
11104-28-2	Aroclor 1221	ND	33	ug/kg	
11141-16-5	Aroclor 1232	ND	33	ug/kg	
53469-21-9	Aroclor 1242	ND	33	ug/kg	
12672-29-6	Aroclor 1248	ND	33	ug/kg	
11097-69-1	Aroclor 1254	453	33	ug/kg	
11096-82-5	Aroclor 1260	ND	33	ug/kg	
37324-23-5	Aroclor 1262	ND	33	ug/kg	
11100-14-4	Aroclor 1268	ND	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	65%		35-136%
877-09-8	Tetrachloro-m-xylene	60%		35-136%
2051-24-3	Decachlorobiphenyl	80%		24-171%
2051-24-3	Decachlorobiphenyl	69%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359657		
Lab Sample ID:	MC46720-37T	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	91.7
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59976.D	1	07/12/16	NK	07/10/16	OP48108	GBK1877
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

CT Polychlorinated Biphenyls RCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	35	ug/kg	
11104-28-2	Aroclor 1221	ND	35	ug/kg	
11141-16-5	Aroclor 1232	ND	35	ug/kg	
53469-21-9	Aroclor 1242	ND	35	ug/kg	
12672-29-6	Aroclor 1248	ND	35	ug/kg	
11097-69-1	Aroclor 1254	195	35	ug/kg	
11096-82-5	Aroclor 1260	ND	35	ug/kg	
37324-23-5	Aroclor 1262	ND	35	ug/kg	
11100-14-4	Aroclor 1268	ND	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	65%		35-136%
877-09-8	Tetrachloro-m-xylene	59%		35-136%
2051-24-3	Decachlorobiphenyl	78%		24-171%
2051-24-3	Decachlorobiphenyl	62%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359658		
Lab Sample ID:	MC46720-38T	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	90.6
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59977.D	1	07/12/16	NK	07/10/16	OP48108	GBK1877
Run #2	BK59985.D	10	07/12/16	NK	07/10/16	OP48108	GBK1877

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2	15.2 g	10.0 ml

CT Polychlorinated Biphenyls RCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	36	ug/kg	
11104-28-2	Aroclor 1221	ND	36	ug/kg	
11141-16-5	Aroclor 1232	ND	36	ug/kg	
53469-21-9	Aroclor 1242	ND	36	ug/kg	
12672-29-6	Aroclor 1248	ND	36	ug/kg	
11097-69-1	Aroclor 1254	1210 [a]	360	ug/kg	
11096-82-5	Aroclor 1260	ND	36	ug/kg	
37324-23-5	Aroclor 1262	ND	36	ug/kg	
11100-14-4	Aroclor 1268	ND	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%	102%	35-136%
877-09-8	Tetrachloro-m-xylene	76%	84%	35-136%
2051-24-3	Decachlorobiphenyl	110%	138%	24-171%
2051-24-3	Decachlorobiphenyl	83%	121%	24-171%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359664		
Lab Sample ID:	MC46720-44T	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	92.0
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59978.D	1	07/12/16	NK	07/10/16	OP48108	GBK1877
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

CT Polychlorinated Biphenyls RCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	35	ug/kg	
11104-28-2	Aroclor 1221	ND	35	ug/kg	
11141-16-5	Aroclor 1232	ND	35	ug/kg	
53469-21-9	Aroclor 1242	ND	35	ug/kg	
12672-29-6	Aroclor 1248	ND	35	ug/kg	
11097-69-1	Aroclor 1254	413	35	ug/kg	
11096-82-5	Aroclor 1260	ND	35	ug/kg	
37324-23-5	Aroclor 1262	ND	35	ug/kg	
11100-14-4	Aroclor 1268	ND	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		35-136%
877-09-8	Tetrachloro-m-xylene	64%		35-136%
2051-24-3	Decachlorobiphenyl	86%		24-171%
2051-24-3	Decachlorobiphenyl	67%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359669		
Lab Sample ID:	MC46720-49T	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	96.9
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59980.D	1	07/12/16	NK	07/10/16	OP48108	GBK1877
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2		

CT Polychlorinated Biphenyls RCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	33	ug/kg	
11104-28-2	Aroclor 1221	ND	33	ug/kg	
11141-16-5	Aroclor 1232	ND	33	ug/kg	
53469-21-9	Aroclor 1242	ND	33	ug/kg	
12672-29-6	Aroclor 1248	ND	33	ug/kg	
11097-69-1	Aroclor 1254	156	33	ug/kg	
11096-82-5	Aroclor 1260	ND	33	ug/kg	
37324-23-5	Aroclor 1262	ND	33	ug/kg	
11100-14-4	Aroclor 1268	ND	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		35-136%
877-09-8	Tetrachloro-m-xylene	81%		35-136%
2051-24-3	Decachlorobiphenyl	108%		24-171%
2051-24-3	Decachlorobiphenyl	94%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359675		
Lab Sample ID:	MC46720-52T	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	97.2
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59981.D	1	07/12/16	NK	07/10/16	OP48108	GBK1877
Run #2	BK59987.D	10	07/12/16	NK	07/10/16	OP48108	GBK1877

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2	15.8 g	10.0 ml

CT Polychlorinated Biphenyls RCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	32	ug/kg	
11104-28-2	Aroclor 1221	ND	32	ug/kg	
11141-16-5	Aroclor 1232	ND	32	ug/kg	
53469-21-9	Aroclor 1242	ND	32	ug/kg	
12672-29-6	Aroclor 1248	ND	32	ug/kg	
11097-69-1	Aroclor 1254	2800 [a]	320	ug/kg	
11096-82-5	Aroclor 1260	ND	32	ug/kg	
37324-23-5	Aroclor 1262	ND	32	ug/kg	
11100-14-4	Aroclor 1268	ND	32	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%	143% [b]	35-136%
877-09-8	Tetrachloro-m-xylene	73%	126%	35-136%
2051-24-3	Decachlorobiphenyl	103%	208% [b]	24-171%
2051-24-3	Decachlorobiphenyl	90%	177% [b]	24-171%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359640		
Lab Sample ID:	MC46720-20R	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	92.3
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59952.D	1	07/11/16	NK	07/10/16	OP48103	GBK1876
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	35	ug/kg	
11104-28-2	Aroclor 1221	ND	35	ug/kg	
11141-16-5	Aroclor 1232	ND	35	ug/kg	
53469-21-9	Aroclor 1242	ND	35	ug/kg	
12672-29-6	Aroclor 1248	ND	35	ug/kg	
11097-69-1	Aroclor 1254	ND	35	ug/kg	
11096-82-5	Aroclor 1260	ND	35	ug/kg	
37324-23-5	Aroclor 1262	ND	35	ug/kg	
11100-14-4	Aroclor 1268	ND	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%		35-136%
877-09-8	Tetrachloro-m-xylene	82%		35-136%
2051-24-3	Decachlorobiphenyl	130%		24-171%
2051-24-3	Decachlorobiphenyl	91%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359649		
Lab Sample ID:	MC46720-29R	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	91.7
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59953.D	1	07/11/16	NK	07/10/16	OP48103	GBK1876
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	36	ug/kg	
11104-28-2	Aroclor 1221	ND	36	ug/kg	
11141-16-5	Aroclor 1232	ND	36	ug/kg	
53469-21-9	Aroclor 1242	ND	36	ug/kg	
12672-29-6	Aroclor 1248	ND	36	ug/kg	
11097-69-1	Aroclor 1254	189	36	ug/kg	
11096-82-5	Aroclor 1260	ND	36	ug/kg	
37324-23-5	Aroclor 1262	ND	36	ug/kg	
11100-14-4	Aroclor 1268	ND	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		35-136%
877-09-8	Tetrachloro-m-xylene	62%		35-136%
2051-24-3	Decachlorobiphenyl	123%		24-171%
2051-24-3	Decachlorobiphenyl	68%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359663		
Lab Sample ID:	MC46720-43R	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	91.8
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59954.D	1	07/11/16	NK	07/10/16	OP48103	GBK1876
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	36	ug/kg	
11104-28-2	Aroclor 1221	ND	36	ug/kg	
11141-16-5	Aroclor 1232	ND	36	ug/kg	
53469-21-9	Aroclor 1242	ND	36	ug/kg	
12672-29-6	Aroclor 1248	ND	36	ug/kg	
11097-69-1	Aroclor 1254	92.9	36	ug/kg	
11096-82-5	Aroclor 1260	ND	36	ug/kg	
37324-23-5	Aroclor 1262	ND	36	ug/kg	
11100-14-4	Aroclor 1268	ND	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	112%		35-136%
877-09-8	Tetrachloro-m-xylene	81%		35-136%
2051-24-3	Decachlorobiphenyl	152%		24-171%
2051-24-3	Decachlorobiphenyl	79%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359665		
Lab Sample ID:	MC46720-45R	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	91.6
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK59955.D	1	07/11/16	NK	07/10/16	OP48103	GBK1876
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	36	ug/kg	
11104-28-2	Aroclor 1221	ND	36	ug/kg	
11141-16-5	Aroclor 1232	ND	36	ug/kg	
53469-21-9	Aroclor 1242	ND	36	ug/kg	
12672-29-6	Aroclor 1248	ND	36	ug/kg	
11097-69-1	Aroclor 1254	279	36	ug/kg	
11096-82-5	Aroclor 1260	ND	36	ug/kg	
37324-23-5	Aroclor 1262	ND	36	ug/kg	
11100-14-4	Aroclor 1268	ND	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		35-136%
877-09-8	Tetrachloro-m-xylene	72%		35-136%
2051-24-3	Decachlorobiphenyl	104%		24-171%
2051-24-3	Decachlorobiphenyl	60%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359687		
Lab Sample ID:	MC46819-1	**Date Sampled:**	07/12/16
Matrix:	SO - Soil	**Date Received:**	07/12/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	95.4
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK60023.D	1	07/15/16	NK	07/13/16	OP48146	GBK1880
Run #2	BK60035.D	5	07/15/16	NK	07/13/16	OP48146	GBK1880

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2	15.7 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	33	ug/kg	
11104-28-2	Aroclor 1221	ND	33	ug/kg	
11141-16-5	Aroclor 1232	ND	33	ug/kg	
53469-21-9	Aroclor 1242	ND	33	ug/kg	
12672-29-6	Aroclor 1248	ND	33	ug/kg	
11097-69-1	Aroclor 1254	1330 [a]	170	ug/kg	
11096-82-5	Aroclor 1260	ND	33	ug/kg	
37324-23-5	Aroclor 1262	ND	33	ug/kg	
11100-14-4	Aroclor 1268	ND	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%	98%	35-136%
877-09-8	Tetrachloro-m-xylene	95%	98%	35-136%
2051-24-3	Decachlorobiphenyl	99%	97%	24-171%
2051-24-3	Decachlorobiphenyl	92%	88%	24-171%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359689		
Lab Sample ID:	MC46819-2	**Date Sampled:**	07/12/16
Matrix:	SO - Soil	**Date Received:**	07/12/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	95.5
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK60024.D	1	07/15/16	NK	07/13/16	OP48146	GBK1880
Run #2	BK60036.D	5	07/15/16	NK	07/13/16	OP48146	GBK1880

	Initial Weight	Final Volume
Run #1	15.0 g	10.0 ml
Run #2	15.0 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	35	ug/kg	
11104-28-2	Aroclor 1221	ND	35	ug/kg	
11141-16-5	Aroclor 1232	ND	35	ug/kg	
53469-21-9	Aroclor 1242	ND	35	ug/kg	
12672-29-6	Aroclor 1248	ND	35	ug/kg	
11097-69-1	Aroclor 1254	824 [a]	170	ug/kg	
11096-82-5	Aroclor 1260	ND	35	ug/kg	
37324-23-5	Aroclor 1262	ND	35	ug/kg	
11100-14-4	Aroclor 1268	ND	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	101%	105%	35-136%
877-09-8	Tetrachloro-m-xylene	96%	108%	35-136%
2051-24-3	Decachlorobiphenyl	103%	117%	24-171%
2051-24-3	Decachlorobiphenyl	92%	107%	24-171%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359688		
Lab Sample ID:	MC46819-3	**Date Sampled:**	07/12/16
Matrix:	SO - Soil	**Date Received:**	07/12/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	95.0
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK60028.D	1	07/15/16	NK	07/13/16	OP48146	GBK1880
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	34	ug/kg	
11104-28-2	Aroclor 1221	ND	34	ug/kg	
11141-16-5	Aroclor 1232	ND	34	ug/kg	
53469-21-9	Aroclor 1242	ND	34	ug/kg	
12672-29-6	Aroclor 1248	ND	34	ug/kg	
11097-69-1	Aroclor 1254	559	34	ug/kg	
11096-82-5	Aroclor 1260	ND	34	ug/kg	
37324-23-5	Aroclor 1262	ND	34	ug/kg	
11100-14-4	Aroclor 1268	ND	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%		35-136%
877-09-8	Tetrachloro-m-xylene	101%		35-136%
2051-24-3	Decachlorobiphenyl	110%		24-171%
2051-24-3	Decachlorobiphenyl	93%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359690		
Lab Sample ID:	MC46819-4	**Date Sampled:**	07/12/16
Matrix:	SO - Soil	**Date Received:**	07/12/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	96.7
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK60025.D	1	07/15/16	NK	07/13/16	OP48146	GBK1880
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	34	ug/kg	
11104-28-2	Aroclor 1221	ND	34	ug/kg	
11141-16-5	Aroclor 1232	ND	34	ug/kg	
53469-21-9	Aroclor 1242	ND	34	ug/kg	
12672-29-6	Aroclor 1248	ND	34	ug/kg	
11097-69-1	Aroclor 1254	565	34	ug/kg	
11096-82-5	Aroclor 1260	ND	34	ug/kg	
37324-23-5	Aroclor 1262	ND	34	ug/kg	
11100-14-4	Aroclor 1268	ND	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	101%		35-136%
877-09-8	Tetrachloro-m-xylene	98%		35-136%
2051-24-3	Decachlorobiphenyl	102%		24-171%
2051-24-3	Decachlorobiphenyl	95%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359691		
Lab Sample ID:	MC46819-5	**Date Sampled:**	07/12/16
Matrix:	SO - Soil	**Date Received:**	07/12/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	97.3
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK60026.D	1	07/15/16	NK	07/13/16	OP48146	GBK1880
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	33	ug/kg	
11104-28-2	Aroclor 1221	ND	33	ug/kg	
11141-16-5	Aroclor 1232	ND	33	ug/kg	
53469-21-9	Aroclor 1242	ND	33	ug/kg	
12672-29-6	Aroclor 1248	ND	33	ug/kg	
11097-69-1	Aroclor 1254	483	33	ug/kg	
11096-82-5	Aroclor 1260	ND	33	ug/kg	
37324-23-5	Aroclor 1262	ND	33	ug/kg	
11100-14-4	Aroclor 1268	ND	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%		35-136%
877-09-8	Tetrachloro-m-xylene	99%		35-136%
2051-24-3	Decachlorobiphenyl	105%		24-171%
2051-24-3	Decachlorobiphenyl	100%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359692		
Lab Sample ID:	MC46819-6	**Date Sampled:**	07/12/16
Matrix:	SO - Soil	**Date Received:**	07/12/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	96.6
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK60027.D	1	07/15/16	NK	07/13/16	OP48146	GBK1880
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	33	ug/kg	
11104-28-2	Aroclor 1221	ND	33	ug/kg	
11141-16-5	Aroclor 1232	ND	33	ug/kg	
53469-21-9	Aroclor 1242	ND	33	ug/kg	
12672-29-6	Aroclor 1248	ND	33	ug/kg	
11097-69-1	Aroclor 1254	391	33	ug/kg	
11096-82-5	Aroclor 1260	ND	33	ug/kg	
37324-23-5	Aroclor 1262	ND	33	ug/kg	
11100-14-4	Aroclor 1268	ND	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%		35-136%
877-09-8	Tetrachloro-m-xylene	102%		35-136%
2051-24-3	Decachlorobiphenyl	104%		24-171%
2051-24-3	Decachlorobiphenyl	91%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359699		
Lab Sample ID:	MC46840-1	**Date Sampled:**	07/13/16
Matrix:	SO - Soil	**Date Received:**	07/13/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	98.7
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK60040.D	1	07/15/16	NK	07/13/16	OP48146	GBK1880
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	32	ug/kg	
11104-28-2	Aroclor 1221	ND	32	ug/kg	
11141-16-5	Aroclor 1232	ND	32	ug/kg	
53469-21-9	Aroclor 1242	ND	32	ug/kg	
12672-29-6	Aroclor 1248	ND	32	ug/kg	
11097-69-1	Aroclor 1254	549	32	ug/kg	
11096-82-5	Aroclor 1260	ND	32	ug/kg	
37324-23-5	Aroclor 1262	ND	32	ug/kg	
11100-14-4	Aroclor 1268	ND	32	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%		35-136%
877-09-8	Tetrachloro-m-xylene	98%		35-136%
2051-24-3	Decachlorobiphenyl	106%		24-171%
2051-24-3	Decachlorobiphenyl	98%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359687		
Lab Sample ID:	MC46819-1R	**Date Sampled:**	07/12/16
Matrix:	SO - Soil	**Date Received:**	07/12/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	95.4
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK60134.D	1	07/20/16	NK	07/18/16	OP48191	GBK1884
Run #2	BK60139.D	5	07/20/16	NK	07/18/16	OP48191	GBK1884

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2	15.6 g	10.0 ml

CT Polychlorinated Biphenyls RCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	34	ug/kg	
11104-28-2	Aroclor 1221	ND	34	ug/kg	
11141-16-5	Aroclor 1232	ND	34	ug/kg	
53469-21-9	Aroclor 1242	ND	34	ug/kg	
12672-29-6	Aroclor 1248	ND	34	ug/kg	
11097-69-1	Aroclor 1254	780 [a]	170	ug/kg	
11096-82-5	Aroclor 1260	ND	34	ug/kg	
37324-23-5	Aroclor 1262	ND	34	ug/kg	
11100-14-4	Aroclor 1268	ND	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%	88%	35-136%
877-09-8	Tetrachloro-m-xylene	87%	95%	35-136%
2051-24-3	Decachlorobiphenyl	107%	104%	24-171%
2051-24-3	Decachlorobiphenyl	96%	102%	24-171%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359641		
Lab Sample ID:	MC46720-21V	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	88.7
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	BK60132.D	1	07/20/16	NK	07/18/16	OP48191	GBK1884
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

CT Polychlorinated Biphenyls RCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	37	ug/kg	
11104-28-2	Aroclor 1221	ND	37	ug/kg	
11141-16-5	Aroclor 1232	ND	37	ug/kg	
53469-21-9	Aroclor 1242	266	37	ug/kg	
12672-29-6	Aroclor 1248	ND	37	ug/kg	
11097-69-1	Aroclor 1254 [b]	191	37	ug/kg	
11096-82-5	Aroclor 1260 [b]	50.4	37	ug/kg	
37324-23-5	Aroclor 1262	ND	37	ug/kg	
11100-14-4	Aroclor 1268	ND	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%		35-136%
877-09-8	Tetrachloro-m-xylene	71%		35-136%
2051-24-3	Decachlorobiphenyl	400% [c]		24-171%
2051-24-3	Decachlorobiphenyl	69%		24-171%

(a) Sample re-extracted beyond recommended hold time per client request.
(b) Estimated value due to the presence of other Aroclor pattern.
(c) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359641		
Lab Sample ID:	MC46720-21VA	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	88.7
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	BK60110.D	1	07/19/16	NK	07/18/16	OP48190	GBK1883
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	37	ug/kg	
11104-28-2	Aroclor 1221	ND	37	ug/kg	
11141-16-5	Aroclor 1232	ND	37	ug/kg	
53469-21-9	Aroclor 1242	329	37	ug/kg	
12672-29-6	Aroclor 1248	ND	37	ug/kg	
11097-69-1	Aroclor 1254 [b]	156	37	ug/kg	
11096-82-5	Aroclor 1260 [b]	52.8	37	ug/kg	
37324-23-5	Aroclor 1262	ND	37	ug/kg	
11100-14-4	Aroclor 1268	ND	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%		35-136%
877-09-8	Tetrachloro-m-xylene	49%		35-136%
2051-24-3	Decachlorobiphenyl	240% [c]		24-171%
2051-24-3	Decachlorobiphenyl	48%		24-171%

(a) Sample re-extracted beyond recommended hold time per client request.
(b) Estimated value due to the presence of other Aroclor pattern.
(c) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359664		
Lab Sample ID:	MC46720-44V	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	92.0
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	BK60133.D	1	07/20/16	NK	07/18/16	OP48191	GBK1884
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

CT Polychlorinated Biphenyls RCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	36	ug/kg	
11104-28-2	Aroclor 1221	ND	36	ug/kg	
11141-16-5	Aroclor 1232	ND	36	ug/kg	
53469-21-9	Aroclor 1242	ND	36	ug/kg	
12672-29-6	Aroclor 1248	ND	36	ug/kg	
11097-69-1	Aroclor 1254	244	36	ug/kg	
11096-82-5	Aroclor 1260	ND	36	ug/kg	
37324-23-5	Aroclor 1262	ND	36	ug/kg	
11100-14-4	Aroclor 1268	ND	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		35-136%
877-09-8	Tetrachloro-m-xylene	86%		35-136%
2051-24-3	Decachlorobiphenyl	95%		24-171%
2051-24-3	Decachlorobiphenyl	82%		24-171%

(a) Sample re-extracted beyond recommended hold time per client request.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1359664		
Lab Sample ID:	MC46720-44VA	**Date Sampled:**	07/01/16
Matrix:	SO - Soil	**Date Received:**	07/01/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	92.0
Project:	PWMD B250 Soil Boring Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	BK60111.D	1	07/19/16	NK	07/18/16	OP48190	GBK1883
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	36	ug/kg	
11104-28-2	Aroclor 1221	ND	36	ug/kg	
11141-16-5	Aroclor 1232	ND	36	ug/kg	
53469-21-9	Aroclor 1242	ND	36	ug/kg	
12672-29-6	Aroclor 1248	ND	36	ug/kg	
11097-69-1	Aroclor 1254	177	36	ug/kg	
11096-82-5	Aroclor 1260	ND	36	ug/kg	
37324-23-5	Aroclor 1262	ND	36	ug/kg	
11100-14-4	Aroclor 1268	ND	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		35-136%
877-09-8	Tetrachloro-m-xylene	57%		35-136%
2051-24-3	Decachlorobiphenyl	92%		24-171%
2051-24-3	Decachlorobiphenyl	48%		24-171%

(a) Sample re-extracted beyond recommended hold time per client request.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1356324		
Lab Sample ID:	MC45362-1	**Date Sampled:**	04/13/16
Matrix:	SO - Soil	**Date Received:**	04/14/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	91.3
Project:	UTC PWMD Remediation Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB66977.D	1	04/18/16	NK	04/15/16	OP47121	GBB3584
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	35	ug/kg	
11104-28-2	Aroclor 1221	ND	35	ug/kg	
11141-16-5	Aroclor 1232	ND	35	ug/kg	
53469-21-9	Aroclor 1242	ND	35	ug/kg	
12672-29-6	Aroclor 1248	ND	35	ug/kg	
11097-69-1	Aroclor 1254	ND	35	ug/kg	
11096-82-5	Aroclor 1260	ND	35	ug/kg	
37324-23-5	Aroclor 1262	ND	35	ug/kg	
11100-14-4	Aroclor 1268	ND	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%		35-136%
877-09-8	Tetrachloro-m-xylene	95%		35-136%
2051-24-3	Decachlorobiphenyl	113%		24-171%
2051-24-3	Decachlorobiphenyl	115%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1356325		
Lab Sample ID:	MC45362-2	**Date Sampled:**	04/13/16
Matrix:	SO - Soil	**Date Received:**	04/14/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	90.1
Project:	UTC PWMD Remediation Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB66978.D	1	04/18/16	NK	04/15/16	OP47121	GBB3584
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	36	ug/kg	
11104-28-2	Aroclor 1221	ND	36	ug/kg	
11141-16-5	Aroclor 1232	ND	36	ug/kg	
53469-21-9	Aroclor 1242	ND	36	ug/kg	
12672-29-6	Aroclor 1248	ND	36	ug/kg	
11097-69-1	Aroclor 1254	ND	36	ug/kg	
11096-82-5	Aroclor 1260	ND	36	ug/kg	
37324-23-5	Aroclor 1262	ND	36	ug/kg	
11100-14-4	Aroclor 1268	ND	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%		35-136%
877-09-8	Tetrachloro-m-xylene	102%		35-136%
2051-24-3	Decachlorobiphenyl	105%		24-171%
2051-24-3	Decachlorobiphenyl	108%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1356326		
Lab Sample ID:	MC45362-3	**Date Sampled:**	04/13/16
Matrix:	SO - Soil	**Date Received:**	04/14/16
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	90.7
Project:	UTC PWMD Remediation Sampling, Aircraft Road, Middletown, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB66979.D	1	04/18/16	NK	04/15/16	OP47121	GBB3584
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	35	ug/kg	
11104-28-2	Aroclor 1221	ND	35	ug/kg	
11141-16-5	Aroclor 1232	ND	35	ug/kg	
53469-21-9	Aroclor 1242	ND	35	ug/kg	
12672-29-6	Aroclor 1248	ND	35	ug/kg	
11097-69-1	Aroclor 1254	ND	35	ug/kg	
11096-82-5	Aroclor 1260	ND	35	ug/kg	
37324-23-5	Aroclor 1262	ND	35	ug/kg	
11100-14-4	Aroclor 1268	ND	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%		35-136%
877-09-8	Tetrachloro-m-xylene	107%		35-136%
2051-24-3	Decachlorobiphenyl	118%		24-171%
2051-24-3	Decachlorobiphenyl	117%		24-171%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Drawings

LEGEND

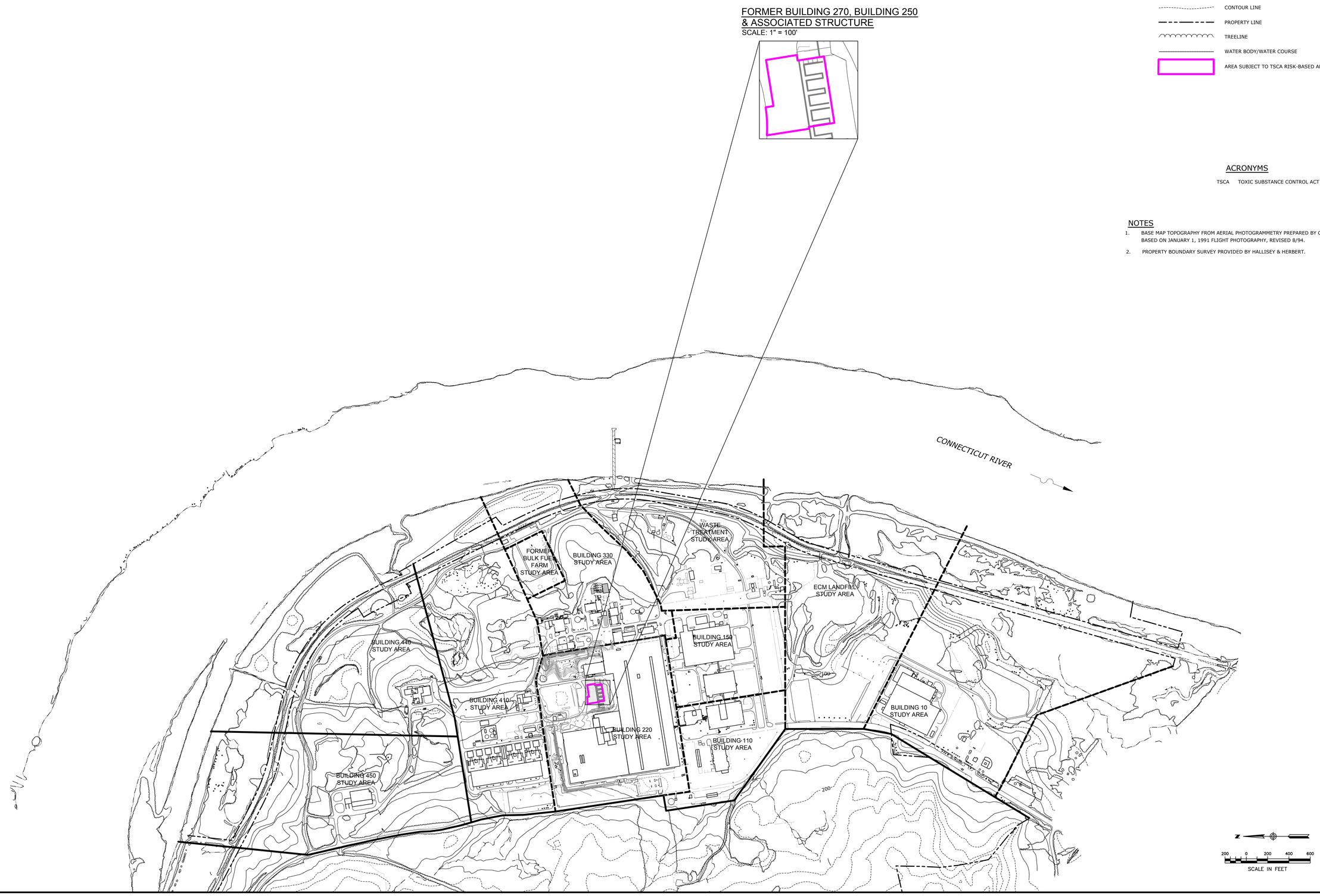
- STUDY AREA BOUNDARY
- BUILDING OUTLINE
- FENCE
- CONTOUR LINE
- PROPERTY LINE
- TREELINE
- WATER BODY/WATER COURSE
- AREA SUBJECT TO TSCA RISK-BASED APPROVAL 761.61 (c)

ACRONYMS

TSCA TOXIC SUBSTANCE CONTROL ACT

NOTES

1. BASE MAP TOPOGRAPHY FROM AERIAL PHOTOGRAMMETRY PREPARED BY COL-EAST, INC. BASED ON JANUARY 1, 1991 FLIGHT PHOTOGRAPHY, REVISED 8/94.
2. PROPERTY BOUNDARY SURVEY PROVIDED BY HALLISEY & HERBERT.



REV.	DESCRIPTION OF REVISION	DATE	APPR.

Loureiro Engineering Associates, Inc.
100 Northwest Drive • Plainville, Connecticut 06062
Phone: 860-747-6181 • Fax: 860-747-8822
An Employee Owned Company • www.Loureiro.com

United Technologies Corporation

SCALE: AS SHOWN
CORM NO.: 88UT245
DRAWN BY: A.C.L. DATE: 08/03/16
APPROVED BY: K.A.G. DATE: 08/03/16

PCB REMEDIAL ACTION WORK PLAN
PRATT & WHITNEY, MIDDLETOWN, CONNECTICUT

SITE MAP DEPICTING LOCATION OF FORMER BUILDING 270 RELEASE AREA SUBJECT TO TSCA RISK-BASED APPROVAL

DRAWING 2-1

SHEET NO. 1 NO. OF SHEETS 1

C:\AUTOCAD\COMPANY\CORM\88UT245\SITE\BASE_MAP\2016_1_1_0930.DWG Tab: 2-1 Saved: 9/20/2016 10:15 AM Printed: 9/20/2016 10:18 AM

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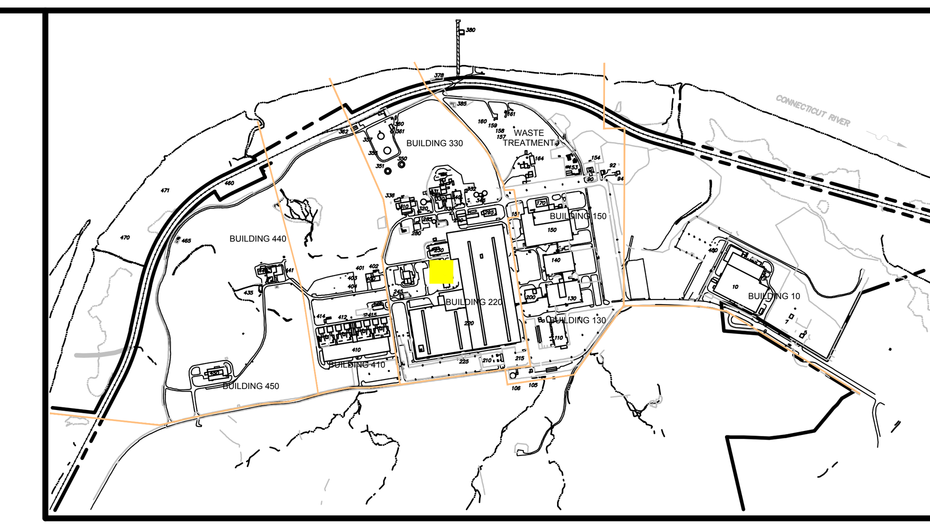
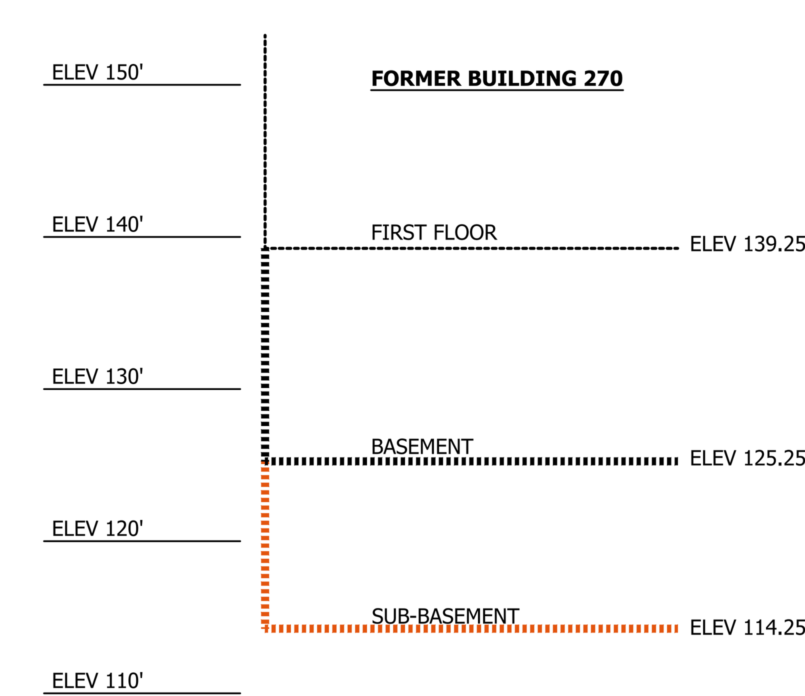


KEY MAP

750 0 750 1500 2250
SCALE IN FEET

LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- BUILDING, STRUCTURES
- ROAD
- FORMER BUILDING 270
- FORMER INTERIOR BUILDING 270
- FORMER BUILDING 270 BASEMENT
- FORMER BUILDING 270 SUB-BASEMENT



BUILDING ELEVATIONS
SCALE: 1"=10'-0"

REV.	DESCRIPTION OF REVISION	DATE	APPR.

Loureiro Engineering Associates, Inc.
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United Technologies Corporation

SCALE: AS SHOWN
COMM. NO.: 88UT245
DRAWN BY: A.C.L. DATE: 08/03/16
APPROVED BY: K.A.G. DATE: 08/03/16

PCB REMEDIAL ACTION WORK PLAN
PRATT & WHITNEY, MIDDLETOWN, CONNECTICUT

LAYOUT OF FORMER BUILDING 270

DRAWING 3-1
SHEET NO. 1 NO. OF SHEETS 1

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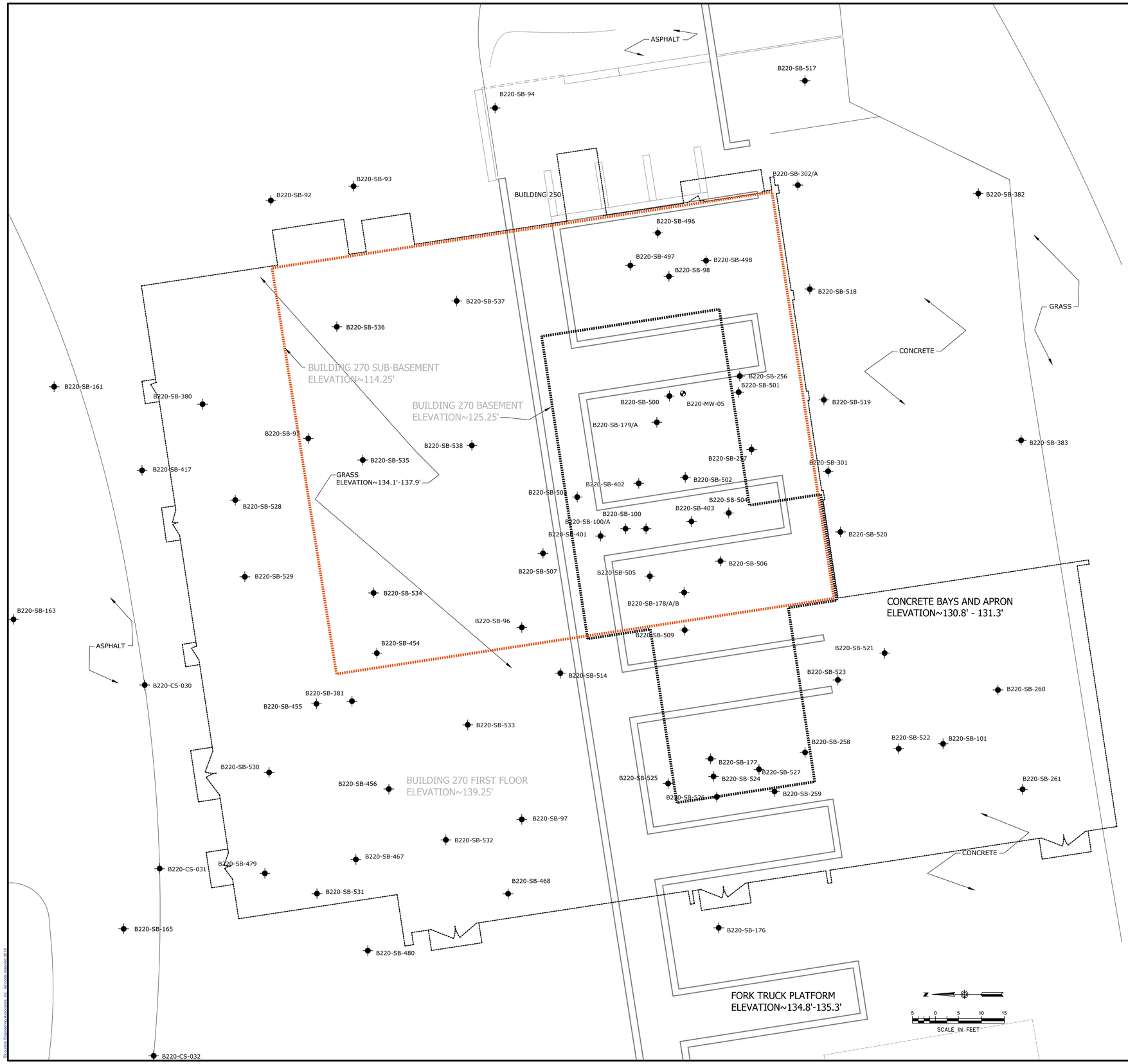
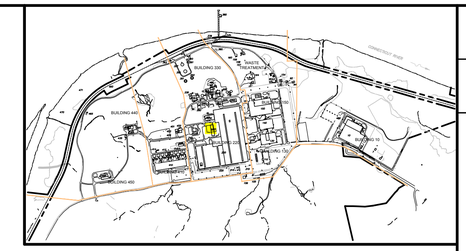


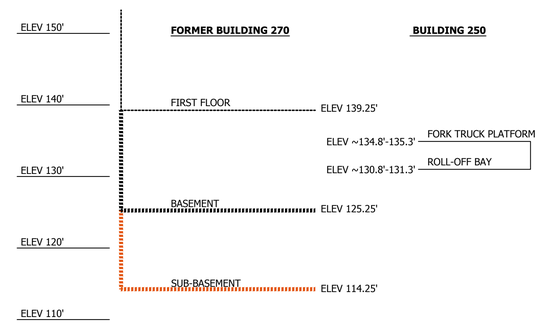


KEY MAP

SCALE IN FEET

LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- BUILDING, STRUCTURES
- ROAD
- FORMER BUILDING 270
- FORMER BUILDING 270 BASEMENT
- FORMER BUILDING 270 SUB-BASEMENT
- BUILDING 250



BUILDING ELEVATIONS

SCALE: 1"=10'-0"

REV.	DESCRIPTION OF REVISION	DATE	APPR.

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SCALE	DATE	DATE
AS SHOWN	08/03/16	08/03/16
DRAWN BY: A.C.L.	APPROVED BY: K.A.G.	
COMM NO. 88UT245		

PCB REMEDIAL ACTION WORK PLAN
PRATT & WHITNEY, MIDDLETOWN, CONNECTICUT

LAYOUT OF BUILDING 250 AND FORMER BUILDING 270

Loureiro
Engineering • Construction • Energy
Water • Facility Services • Laboratory

DRAWING 3-2

SHEET NO. 1 NO. OF SHEETS 1

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LEGEND

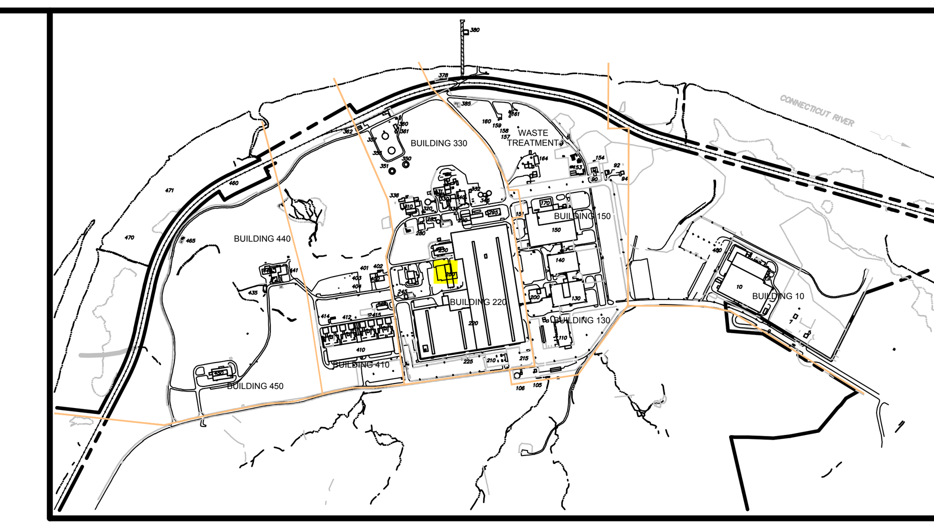
- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- BUILDING, STRUCTURES
- ROAD
- FORMER BUILDING 270
- BUILDING 250
- PCBs DETECTED GREATER THAN OR EQUAL TO 50 mg/kg
- 25 mg/kg ≤ PCBs < 50 mg/kg
- 10 mg/kg ≤ PCBs < 25 mg/kg
- 1.0 mg/kg ≤ PCBs < 10 mg/kg (IDEC)
- 0.5 mg/kg ≤ PCBs < 1.0 mg/kg (RDEC)
- PCBs DETECTED LESS THAN 0.5 mg/kg
- PCBs NOT DETECTED
- SAMPLE NOT ANALYZED FOR PCBs

NOTES:

1. BLOCKS ARE COLOR CODED BASED ON NUMERIC VALUE, REGARDLESS OF DEPTH.
2. CC INDICATES CONCRETE SAMPLE.

ACRONYMS:

ND	NOT DETECTED
mg/kg	MILLIGRAMS PER KILOGRAM
µg/l	MICROGRAMS PER LITER
ETPH	EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS
PAH	POLYCYCLIC AROMATIC HYDROCARBONS
PCB	POLYCHLORINATED BIPHENYL



KEY MAP

SCALE IN FEET

Soil					
Location ID	Sample Depth	Total PCBs (mg/kg)	ETPH (mg/kg)	Total PAHs (mg/kg)	Total VOCs (mg/kg)
B220-CS-030	0' - 2'	ND	ND	0.248	-
B220-CS-031	0' - 2'	ND	1,010	7.61	-
B220-CS-032	0' - 2'	ND	ND	ND	-
B220-MW-05	2.5' - 5'	ND	32.6	4.101	0.0711
B220-MW-05	5' - 7.5'	ND	ND	0.867	-
B220-MW-05	7.5' - 10'	ND	118	3.646	-
B220-MW-05	12.5' - 15'	3.5	98.5	24.934	0.0559
B220-MW-05	25' - 27.5'	ND	ND	ND	0.007
B220-MW-05	35' - 37.5'	ND	ND	ND	ND
B220-SB-100	10' - 12'	ND	97.1	6.583	0.021
B220-SB-100	14' - 16'	ND	21.9	0.714	ND
B220-SB-100	16' - 18'	2.225	420	92.958	0.154
B220-SB-100	18' - 20'	48.18 (0.28)	3,070	943.65	10.09
B220-SB-100	20' - 22'	22.866	78.2	ND	0.2949
B220-SB-100A	7.5' - 10'	0.0447	ND	-	-
B220-SB-100A	17.5' - 20'	0.298	ND	-	-
B220-SB-100A	24' - 25.5'	ND	ND	-	-
B220-SB-100A	25.5' - 28'	ND	ND	-	-
B220-SB-100A	28' - 30'	ND	ND	-	-
B220-SB-101	0' - 2'	0.209	36.8	ND	0.0158
B220-SB-101	2' - 4'	ND	ND	-	0.0225
B220-SB-161	0' - 2'	ND / ND	368 / 172	ND / ND	0.002 / ND
B220-SB-163	0' - 2'	ND	1,030	ND	ND
B220-SB-165	0' - 2'	ND	862	ND	ND
B220-SB-176	0' - 2'	0.173	157	5.103	ND
B220-SB-176	2' - 4'	ND / ND	27.6 / 26.9	8.927 / 1.073	ND / ND
B220-SB-177	2' - 4'	0.245	1,180	6.254	0.0021
B220-SB-177	4' - 6'	ND	26.3	1.171	-
B220-SB-178	2' - 4'	ND	31.7	10.822	ND
B220-SB-178A	0' - 2'	ND	ND	-	-
B220-SB-178A	12' - 14'	ND / ND	50.8 / 45.4	11.236 / 4.531	0.0678 / ND
B220-SB-178B	14' - 17'	7.31 / 2.75	1,560 / 773	275.33 / 268.877	3.82 / 2.66
B220-SB-179	2' - 4'	ND	29.1	54.496	0.02
B220-SB-179	4' - 6'	0.567	45.6	5.725	0.0101
B220-SB-179	6' - 8'	ND	47.3	14.91	0.0224
B220-SB-179	8' - 10'	0.153	95.5	35.168	0.0902
B220-SB-179A	12' - 14'	ND	49	3.827	0.0249
B220-SB-256	2' - 4'	ND	ND	0.684	0.0191
B220-SB-256	4' - 6'	ND	ND	2.358	0.0204
B220-SB-257	2' - 4'	ND	104	1.197	0.238
B220-SB-257	4' - 6'	ND	ND	ND	0.0129
B220-SB-258	2' - 4'	0.202	69.3	11.283	0.0033
B220-SB-258	4' - 6'	ND	ND	ND	ND
B220-SB-259	2' - 4'	0.259	21.7	5.102	ND
B220-SB-259	4' - 6'	ND	ND	ND	0.0129
B220-SB-260	0' - 2'	ND	ND	-	0.0096
B220-SB-261	0' - 2'	ND / ND	ND / ND	-	ND / ND
B220-SB-301	6' - 8'	ND	ND	42.542	0.034
B220-SB-302	6' - 8'	ND	230	48.167	0.0511
B220-SB-302	12' - 14'	ND	27.5	8.804	0.0694
B220-SB-302	14' - 16'	0.202	116	22.03	0.0477
B220-SB-302	18' - 20'	ND	ND	ND	ND
B220-SB-380	0' - 2'	ND	76.2	9.127	0.0032
B220-SB-380	2' - 4'	ND	ND	ND	0.0029
B220-SB-380	6' - 8'	ND	ND	ND	0.0148
B220-SB-380	8' - 10'	ND	ND	ND	0.0122
B220-SB-380	10' - 12'	ND	ND	ND	0.523
B220-SB-381	0' - 2'	4.04 (0.37)	19.3	1.718	0.003
B220-SB-381	2' - 4'	1.22	ND	-	-
B220-SB-381	4' - 6'	0.319	ND	-	-
B220-SB-381	6' - 8'	0.222	37.4	4.653	0.0022
B220-SB-381	16' - 20'	ND	86.4	7.307	0.0186
B220-SB-382	0' - 2'	ND	106	4.953	0.031
B220-SB-382	4' - 8'	ND	ND	2.875	ND
B220-SB-382	14' - 16'	ND	ND	ND	0.0137
B220-SB-382	18' - 20'	ND / ND	ND / ND	ND / ND	0.003 / 0.0029
B220-SB-382	20' - 23'	ND	ND	ND	0.0029
B220-SB-383	0' - 2'	ND	80	1.543	0.056
B220-SB-383	6' - 8'	ND	ND	ND	0.0025
B220-SB-383	14' - 16'	ND	ND	ND	0.0028
B220-SB-383	18' - 20'	ND	ND	ND	0.0059
B220-SB-401	16' - 18'	0.395	1,410	427.81	0.0372
B220-SB-401	18' - 20.5'	0.221	671	333.17	0.426
B220-SB-402	0' - 2'	ND	ND	-	-
B220-SB-402	12' - 14'	ND	33.2	4.436	0.118
B220-SB-403	10' - 12'	ND	45.1	4.583	-
B220-SB-403	14' - 16'	0.139	43.7	8.76	12.77
B220-SB-403	16' - 18'	1.827	1,080	580.08 (188.9)	0.0033
B220-SB-403	18' - 20.8'	8.394	1,100	156.5	12.77
B220-SB-417	0' - 2'	ND	ND	-	-
B220-SB-417	2' - 4'	ND	ND	-	-
B220-SB-417	10' - 12'	ND	ND	ND	0.0271
B220-SB-417	16' - 18'	ND / ND	ND / ND	ND / ND	0.0554 / 0.0275
B220-SB-454	0' - 2'	ND	ND	-	-
B220-SB-455	0' - 2'	ND	ND	-	-
B220-SB-456	0' - 2'	3.61	ND	-	-
B220-SB-456	2' - 4'	ND	ND	-	-
B220-SB-467	0' - 2'	1.31	ND	-	-
B220-SB-467	2' - 4'	ND	ND	-	-
B220-SB-468	0' - 2'	ND	ND	-	-
B220-SB-468	2' - 4'	ND	ND	-	-
B220-SB-479	0' - 2'	0.103	ND	-	-
B220-SB-479	2' - 4'	ND	ND	-	-
B220-SB-480	0' - 2'	ND	ND	-	-
B220-SB-480	2' - 4'	ND	ND	-	-
B220-SB-496	0' - 2.5'	0.0851	ND	-	-
B220-SB-496	5' - 7.5'	0.374	ND	-	-
B220-SB-496	10' - 12.5'	0.262	ND	-	-
B220-SB-496	12.5' - 15'	1.5	ND	-	-
B220-SB-496	15' - 17.5'	0.0824	ND	-	-
B220-SB-496	17.5' - 20'	0.4931	ND	-	-
B220-SB-497	5' - 7.5'	ND	ND	-	-
B220-SB-497	12.5' - 15'	0.1581	ND	-	-
B220-SB-497	15' - 17.5'	0.127	ND	-	-
B220-SB-497	17.5' - 20'	ND	ND	-	-
B220-SB-497	22.5' - 26'	ND	ND	-	-
B220-SB-498	0' - 2.5'	0.0742	ND	-	-
B220-SB-498	5' - 7.5'	0.1806	ND	-	-
B220-SB-498	12.5' - 15'	0.2049	ND	-	-
B220-SB-498	15' - 17.5'	0.21	ND	-	-
B220-SB-498	17.5' - 20'	ND	ND	-	-
B220-SB-500	7.5' - 10'	0.0478	ND	-	-
B220-SB-500	12.5' - 15'	0.0364	ND	-	-
B220-SB-500	17.5' - 20'	ND / ND	ND / ND	- / -	- / -
B220-SB-500	25' - 26'	ND	ND	-	-
B220-SB-501	2.5' - 5'	0.0679	ND	-	-
B220-SB-501	10' - 12.5'	ND	ND	-	-
B220-SB-501	12.5' - 15'	1.12	ND	-	-
B220-SB-501	15' - 17.5'	0.0931	ND	-	-
B220-SB-501	17.5' - 20'	ND	ND	-	-
B220-SB-501	25' - 26'	ND	ND	-	-
B220-SB-502	2.5' - 5'	ND	ND	-	-
B220-SB-502	12.5' - 15'	0.193	ND	-	-
B220-SB-502	15' - 17.5'	0.4232	ND	-	-
B220-SB-502	17.5' - 20'	ND	ND	-	-
B220-SB-502	22.5' - 26'	ND	ND	-	-
B220-SB-503	7.5' - 9.5'	0.1957	ND	-	-
B220-SB-503	12.5' - 15'	0.079	ND	-	-
B220-SB-503	15' - 17.5'	0.0468	ND	-	-
B220-SB-503	17.5' - 20'	0.0551	ND	-	-
B220-SB-503	22.5' - 25'	ND	ND	-	-
B220-SB-504	12.5' - 15'	0.0757	ND	-	-
B220-SB-504	20' - 21'	0.142	ND	-	-
B220-SB-504	23' - 25'	ND	ND	-	-
B220-SB-504	23' - 25.5'	ND	ND	-	-
B220-SB-504	28' - 30'	ND	ND	-	-
B220-SB-505	2.5' - 5'	ND	ND	-	-
B220-SB-505	12.5' - 15'	1.2059 / 1.044	ND	-	-
B220-SB-505	15' - 17.5'	4.027	ND	-	-
B220-SB-505	17.5' - 20'	ND	ND	-	-
B220-SB-505	20' - 22.5'	ND	ND	-	-
B220-SB-506	5' - 7.5'	0.0353	ND	-	-
B220-SB-506	12.5' - 15'	0.0891	ND	-	-
B220-SB-506	15' - 17.5'	0.949	ND	-	-
B220-SB-506	17.5' - 20'	0.239	ND	-	-
B220-SB-506	20' - 22.5'	ND	ND	-	-
B220-SB-507	5' - 7.5'	0.0915	ND	-	-
B220-SB-507	10' - 12.5'	0.145	ND	-	-
B220-SB-507	15' - 17.5'	0.0525	ND	-	-
B220-SB-507	20' - 22.5'	0.105	ND	-	-
B220-SB-507	22.5' - 25.6'	0.0815	ND	-	-
B220-SB-509	0' - 2.5'	0.0568	ND	-	-
B220-SB-509	12.5' - 15'	ND	ND	-	-
B220-SB-509	15' - 17.5'	4.84	ND	-	-
B220-SB-509	17.5' - 20'	ND / ND	ND / ND	- / -	- / -
B220-SB-509	20' - 22.5'	ND	ND	-	-
B220-SB-509	22.5' - 25'	0.0434	ND	-	-

Soil					
Location ID	Sample Depth	Total PCBs (mg/kg)	ETPH (mg/kg)	Total PAHs (mg/kg)	Total VOCs (mg/kg)
B220-SB-514	0' - 2'	1.38	ND	-	-
B220-SB-514	2' - 4'	ND	ND	-	-
B220-SB-514	12' - 14'	ND	ND	-	-
B220-SB-514	14' - 16'	ND	ND	-	-
B220-SB-514	16' - 18'	ND	ND	-	-
B220-SB-517	6' - 8'	ND	ND	ND	0.0072
B220-SB-517	12' - 14'	ND	ND	ND	0.0067
B220-SB-517	16' - 18'	ND	ND	ND	0.0029
B220-SB-517	18' - 20'	ND	ND	ND	0.0028
B220-SB-518	6' - 8'	0.2744	114	19.323	0.0222
B220-SB-518	12' - 14'	ND / ND	36.3 / ND	ND / ND	0.0205 / 0.0029
B220-SB-518	14' - 16'	0.21	31.6	0.556	0.0165
B220-SB-519	6' - 8'	ND	25.1	3.634	0.0193
B220-SB-519	12' - 14'	0.377	26.5	0.341	0.0052
B220-SB-519	16' - 18'	0.0797	41.7	1.353	0.0024
B220-SB-519	18' - 20'	0.214	83.2	3.271	0.0159
B220-SB-520	6' - 8'	0.121	27.1	1.482	0.0029
B220-SB-520	12' - 14'	0.351	76.1	ND	0.0057
B220-SB-520	16' - 20'	0.079	26.3	ND	0.0093
B220-SB-521	6' - 8'	0.206	108	1.542	0.0049
B220-SB-521	12' - 14'	0.0519	23.4	ND	0.0042
B220-SB-521	16' - 18'	ND	ND	ND	0.0071
B220-SB-521	18' - 20'	ND	ND	ND	ND
B220-SB-522	6' - 8'	ND	ND	ND	ND
B220-SB-522	12' - 14'	ND	ND	ND	0.0042
B220-SB-522	16' - 18'	ND	ND	ND	0.0022
B220-SB-522	18' - 20'	ND	ND	ND	ND
B220-SB-523	0' - 2'	0.0877	ND	-	-
B220-SB-523	2' - 4'	0.171	ND	-	-
B220-SB-523	10' - 12'	ND	ND	-	-
B220-SB-523	12' - 14'	ND	ND	-	-
B220-SB-523	14' - 16'	ND	ND	-	-
B220-SB-524	0' - 2'	10.4	ND	-	-
B220-SB-524	2' - 4'	0.223	ND	-	-
B220-SB-524	12' - 14'	ND / ND	ND / ND	- / -	- / -
B220-SB-524	14' - 16'	ND	ND	-	-
B220-SB-524	16' - 18'	ND	ND	-	-
B220-SB-525	0' - 2'	0.152	ND	-	-
B220-SB-526	0' - 2'	0.205	ND	-	-
B220-SB-527	0' - 2'	0.319	ND	-	-
B220-SB-528	0' - 2'	0.170 / 0.156	-	-	-
B220-SB-528	2' - 3'	ND	-	-	-
B220-SB-529	0' - 2'	2.80 / 1.88	138	5.581	-
B220-SB-529	2' - 3'	ND	-	-	-
B220-SB-530	0' - 2'	0.535	-	-	-
B220-SB-530	2' - 2.5'	0.483	-	-	-
B220-SB-531	0' - 2'	0.0916	-	-	-
B220-SB-531A	2' - 3'	0.549	-	-	-
B220-SB-532	0' - 2'	0.0695	-	-	-
B220-SB-532A	2' - 3'	0.391	-	-	-
B220-SB-533	0' - 2'	1.33 / 0.824 / 0.78	-	-	-
B220-SB-533	2' - 3'	0.559	-	-	-
B220-SB-534	0' - 2'	0.121	-	-	-
B220-SB-534	2' - 4'	0.0423	-	-	-
B220-SB-534	6' - 8'	0.0929	-	-	-
B220-SB-534	8' - 10'	42.9 / 0.413 / 0.244 / 0.177	85.8	11.776	ND
B220-SB-534	10' - 12'	0.279	-	-	-
B220-SB-534	12' - 16'	0.0691	-	-	-
B220-SB-534	16' - 20'	ND	-	-	-
B220-SB-534	20' - 21'	ND	-	-	-
B220-SB-535	0' - 2'	0.816 / 0.588 / 0.477 / 0.453	-	-	-
B220-SB-535	2' - 4'	0.1260	-	-	-
B220-SB-535	6' - 8'	0.0942	-	-	-
B220-SB-535	10' - 12'	0.237 / 0.195	-	-	-
B220-SB-535	12' - 16'	1.21 / 0.903	-	-	-
B220-SB-536	0' - 2'	ND	-	-	-
B220-SB-536	2' - 4'	ND	-	-	-
B220-SB-536	8' - 10'	0.159 / 0.1362	-	-	-
B220-SB-536	14' - 16'	0.124	-	-	-
B220-SB-536	18' - 20'	ND	-	-	-
B220-SB-536	20' - 22'	8.2 / 0.6242 / 0.5378 / 0.5074	1,460	671.908	0.0072 B
B220-SB-537	0' - 4'	ND	-	-	-
B220-SB-537	8' - 10'	ND	-	-	-
B220-SB-537	12' - 14'	0.0398	-	-	-
B220-SB-537	18' - 20'	0.0944	-	-	-
B220-SB-538	0' - 2'	0.106	-	-	-
B220-SB-538	2' - 4'	0.0385	-	-	-
B220-SB-538	6' - 8'	0.0485	-	-	-
B220-SB-538	10' - 12'	0.100	-	-	-
B220-SB-538	14' - 16'	0.189	-	-	-
B220-SB-538	16' - 18'	0.631	-	-	-
B220-SB-92	8' - 10'	ND	30.6	5.111	0.058
B220-SB-92	14' - 16'	ND	17	ND	0.1102
B220-SB-93	10' - 12'	ND	ND	0.945	0.0195
B220-SB-94	0' - 2'	ND	ND	0.715	-
B220-SB-94	8' - 10'	ND	38.3	0.673	0.0913
B220-SB-94	14' - 16'	ND	ND	ND	0.0033
B220-SB-95	18' - 20'	ND	3640	49.972	0.0118
B220-SB-96	18' - 20.2'	0.283	78.2	14.327	0.0075
B220-SB-97	0' - 2'	0.22	37.9	2.682	0.0023
B220-SB-97	2' - 3.5'	1.33	ND	0.697	-
B220-SB-98	2' - 4'	ND	25.5	2.031	0.0154
B220-SB-98	6' - 8'	ND	1,570	399.73 (171)	0.604
B220-SB-98	12' - 14'	0.286	22.4	3.523	0.0476
B220-SB-98	14' - 15'	3.35	280	50.972	0.584

Concrete					
Location ID	Sample Depth	Total PCBs (mg/kg)	ETPH (mg/kg)	Total PAHs (mg/kg)	Total VOCs (mg/kg)
B220-SB-100A	20' - 22'	34.9 / 4.804	-	-	-
B220-SB-500	14'	ND	-	-	-
B220-SB-500	17.5' - 18'	ND / ND	-	-	-
B220-SB-501	17.5' - 18'	0.129	-	-	-
B220-SB-502	14.5'	0.119	-	-	-
B220-SB-502	15' - 15'	0.189	-	-	-
B220-SB-502	17.5' - 18.5'	ND	-	-	-
B220-SB-503	14'	0.0394	-	-	-
B220-SB-503	15' - 15.5'	ND	-	-	-
B220-SB-503	17.5' - 18.5'	0.054	-	-	-
B220-SB-504	21' - 23'	5.691	-	-	-

NOTE:
CONCENTRATIONS IN RED TEXT INDICATE THAT TOTAL PCBs WERE DETECTED AT A CONCENTRATION GREATER THAN OR EQUAL TO 1 mg/kg.
VALUES IN PARENTHESES REPRESENT SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP) ANALYTICAL RESULTS IN UNITS OF µg/l.
- INDICATES THE SAMPLE WAS NOT ANALYZED FOR THE INDICATED PARAMETER.

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United Technologies Corporation

PCB REMEDIAL ACTION WORK PLAN
PRATT & WHITNEY, MIDDLETOWN, CONNECTICUT

DISTRIBUTION OF PCBs IN SOIL AND CONCRETE
FORMER BUILDING 270

SCALE	AS SHOWN
COMM NO.	88UT245
DRAWN BY	A.C.L.
DATE	08/03/16
APPROVED BY	K.A.G.
DATE	08/03/16
DRAWING	3-3
SHEET NO.	1
NO. OF SHEETS	3

REV.	DESCRIPTION OF REVISION	DATE	APPR.

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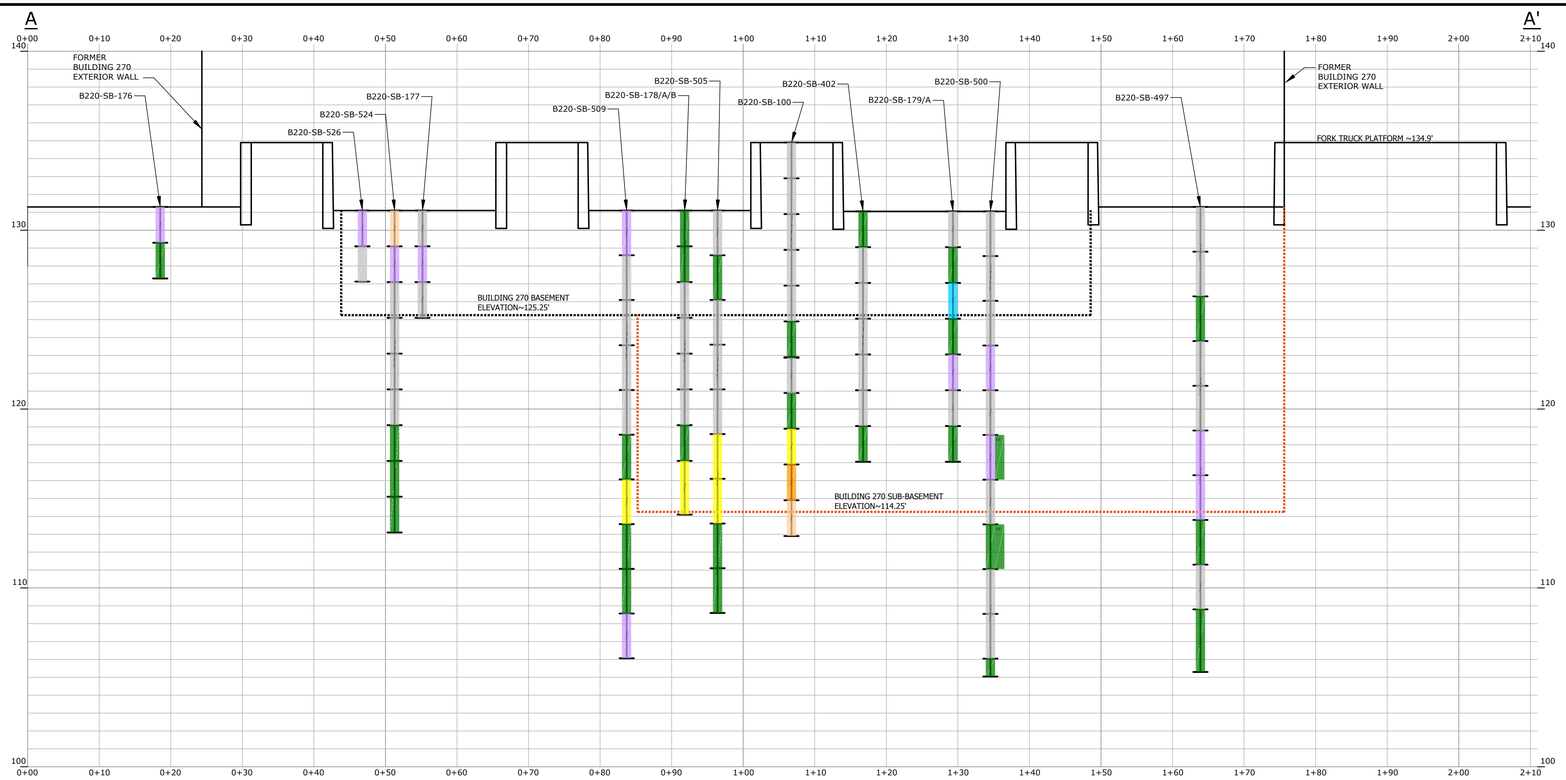
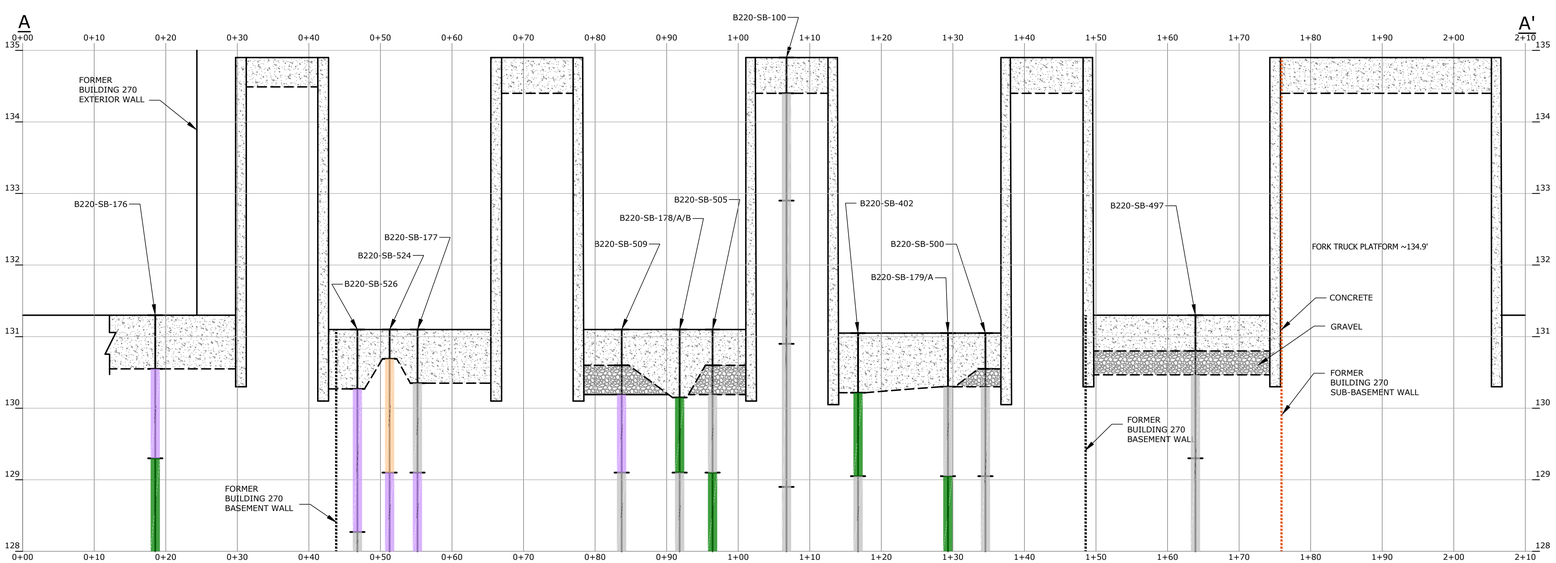


GENERALIZED CROSS-SECTION A-A'

HORIZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 4'



GENERALIZED CROSS-SECTION A-A' - SHALLOW DETAIL

HORIZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'

LEGEND

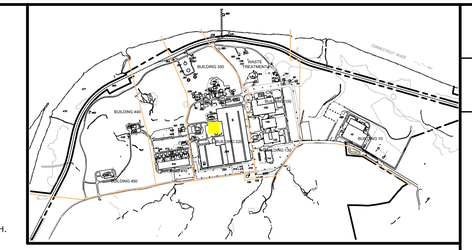
- PCBs DETECTED GREATER THAN OR EQUAL TO 50 mg/kg
- 25 mg/kg ≤ PCBs < 50 mg/kg
- 10 mg/kg ≤ PCBs < 25 mg/kg
- 1.0 mg/kg ≤ PCBs < 10 mg/kg (IDEC)
- 0.5 mg/kg ≤ PCBs < 1.0 mg/kg (RDEC)
- PCBs DETECTED LESS THAN 0.5 mg/kg
- PCBs NOT DETECTED
- SAMPLE NOT ANALYZED FOR PCBs

NOTES:

1. BLOCKS ARE COLOR CODED BASED ON NUMERIC VALUE, REGARDLESS OF DEPTH.
2. CC INDICATES CONCRETE SAMPLE.

ACRONYMS:

ND	NOT DETECTED
mg/kg	MILLIGRAMS PER KILOGRAM
µg/l	MICROGRAMS PER LITER
ETPH	EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS
PAH	POLYCYCLIC AROMATIC HYDROCARBONS
PCB	POLYCHLORINATED BIPHENYL



KEY MAP

N
750 0 750 1500 2250
SCALE IN FEET

SOIL						
Location ID	Sample Depth	Total PCBs (mg/kg)	ETPH (mg/kg)	Total PAHs (mg/kg)	Total VOCs (mg/kg)
B220-SB-100	10' - 12'	ND	97.1	6.583	0.021
B220-SB-100	14' - 16'	ND	21.9	0.714	ND
B220-SB-100	16' - 18'	2.225	420	92.958	0.154
B220-SB-100	18' - 20'	48.18 (0.28)	3,070	943.65	10.09
B220-SB-100	20' - 22'	22.866	78.2	ND	0.2949
B220-SB-176	0' - 2'	0.1730	157	5.103	ND
B220-SB-176	2' - 4'	ND / ND	27.6 / 26.9	8.927 / 1.073	ND / ND
B220-SB-177	2' - 4'	0.245	1.180	6.254	0.0021
B220-SB-177	4' - 6'	ND	26.3	1.171	-
B220-SB-178	2' - 4'	ND	31.7	10.822	ND
B220-SB-178A	0' - 2'	ND	ND	-	-
B220-SB-178A	12' - 14'	ND / ND	50.8 / 45.4	11.236 / 4.531	0.0678 / ND
B220-SB-178B	14' - 17'	7.31 / 7.75	1,560 / 773	275.33 / 268.877	3.82 / 2.66
B220-SB-179	2' - 4'	ND	29.1	54.496	0.02
B220-SB-179	4' - 6'	0.567	45.6	5.725	0.0101
B220-SB-179	6' - 8'	ND	47.3	14.91	0.0224
B220-SB-179	8' - 10'	0.153	95.5	35.168	0.0902
B220-SB-179A	12' - 14'	ND	49	3.827	0.0249
B220-SB-402	0' - 2'	ND	ND	-	-
B220-SB-402	12' - 14'	ND	33.2	4.436	0.118
B220-SB-497	5' - 7.5'	ND	ND	-	-
B220-SB-497	12.5' - 15'	0.1581	ND	-	-
B220-SB-497	15' - 17.5'	0.127	ND	-	-
B220-SB-497	17.5' - 20'	ND	ND	-	-
B220-SB-497	22.5' - 26'	ND	ND	-	-
B220-SB-500	7.5' - 10'	0.0478	ND	-	-
B220-SB-500	12.5' - 15'	0.0364	ND	-	-
B220-SB-500	17.5' - 20'	ND / ND	ND / ND	- / -	- / -
B220-SB-500	25' - 26'	ND	ND	-	-
B220-SB-505	2.5' - 5'	ND	ND	-	-
B220-SB-505	12.5' - 15'	1.2059 / 1.044	ND	-	-
B220-SB-505	15' - 17.5'	4.027	ND	-	-
B220-SB-505	17.5' - 20'	ND	ND	-	-
B220-SB-505	20' - 22.5'	ND	ND	-	-
B220-SB-509	0' - 2.5'	0.0568	ND	-	-
B220-SB-509	12.5' - 15'	ND	ND	-	-
B220-SB-509	15' - 17.5'	4.84	ND	-	-
B220-SB-509	17.5' - 20'	ND / ND	ND / ND	- / -	- / -
B220-SB-509	20' - 22.5'	ND	ND	-	-
B220-SB-509	22.5' - 25'	0.0434	ND	-	-
B220-SB-524	0' - 2'	10.4	ND	-	-
B220-SB-524	2' - 4'	0.223	ND	-	-
B220-SB-524	12' - 14'	ND / ND	ND / ND	- / -	- / -
B220-SB-524	14' - 16'	ND	ND	-	-
B220-SB-524	16' - 18'	ND	ND	-	-
B220-SB-526	0' - 2'	0.205	ND	-	-

CONCRETE					
Location ID	Sample Depth	Total PCBs (mg/kg)	ETPH (mg/kg)	Total PAHs (mg/kg)	Total VOCs (mg/kg)
B220-SB-500	14'	ND	-	-	-
B220-SB-500	17.5' - 18'	ND / ND	-	-	-

NOTE:
CONCENTRATIONS IN RED TEXT INDICATE THAT TOTAL PCBs WERE DETECTED AT A CONCENTRATION GREATER THAN OR EQUAL TO 1 mg/kg.
VALUES IN PARENTHESES REPRESENT SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP) ANALYTICAL RESULTS IN UNITS OF µg/l.
- INDICATES THE SAMPLE WAS NOT ANALYZED FOR THE INDICATED PARAMETER.

REV.	DESCRIPTION OF REVISION	DATE	APPR.

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United Technologies Corporation

SCALE: AS SHOWN
CORM NO.: 88UT245
DRAWN BY: A.C.L. DATE: 08/03/16
APPROVED BY: K.A.G. DATE: 08/03/16

PCB REMEDIAL ACTION WORK PLAN
PRATT & WHITNEY, MIDDLETOWN, CONNECTICUT
DISTRIBUTION OF PCBs IN SOIL AND CONCRETE
FORMER BUILDING 270

DRAWING 3-3
SHEET NO. 2 NO. OF SHEETS 3

C:\AUTOCAD\COMPLETED\2020_SITE-BASE_MASDP\3_1_0930.DWG Feb 3-3 2-Sheet 8/3/2016 10:13 AM Profiles 8/3/2016 10:19 AM

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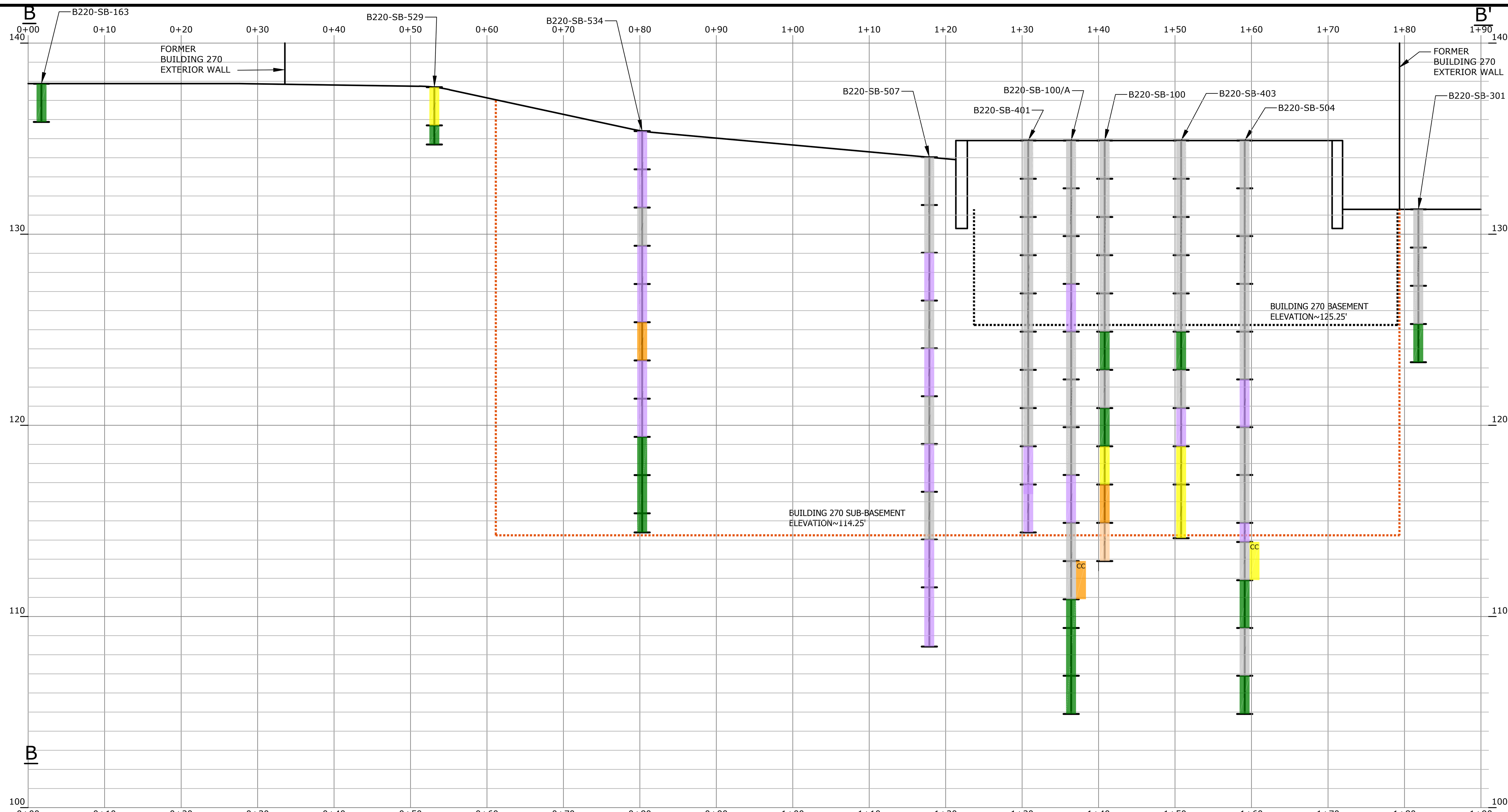
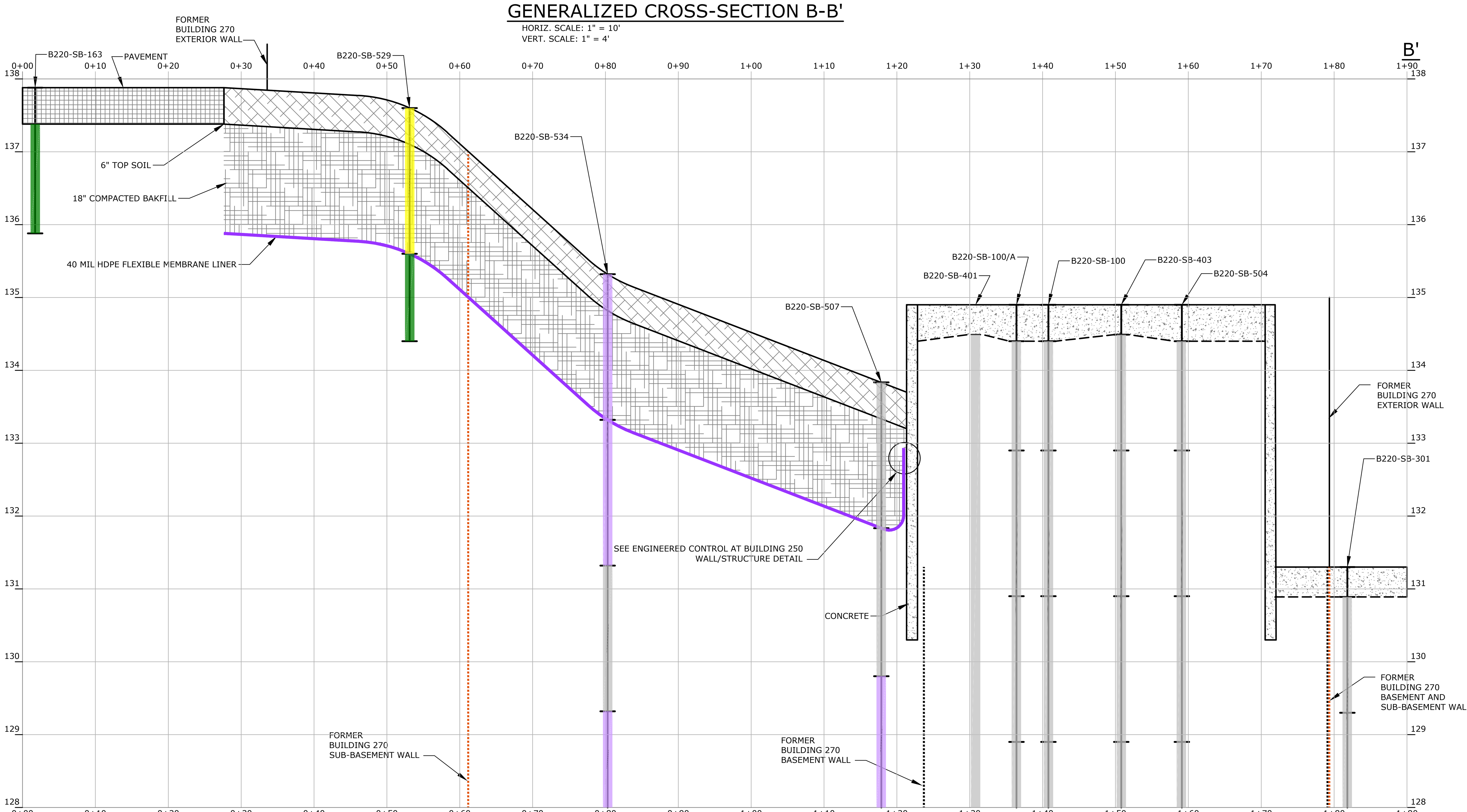


GENERALIZED CROSS-SECTION B-B'

HORIZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 4'



GENERALIZED CROSS-SECTION B-B'- SHALLOW DETAIL

HORIZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'
NOTE: SECTION NORTH OF BUILDING 250 SHOWS PLANNED POST-CONSTRUCTION ENGINEERED CONTROL

LEGEND

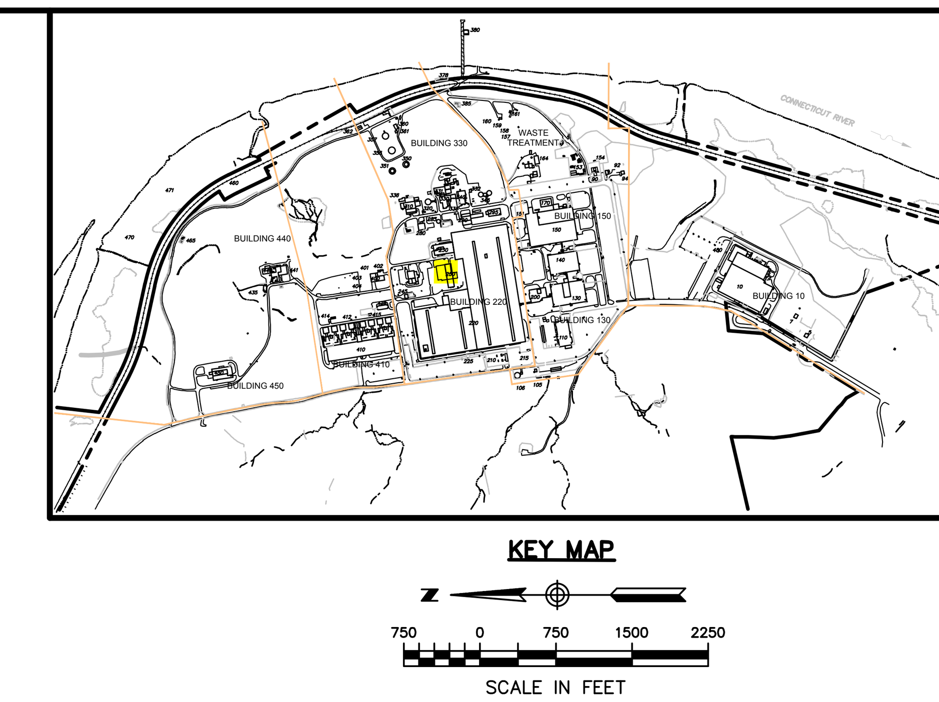
- PCBs DETECTED GREATER THAN OR EQUAL TO 50 mg/kg
- 25 mg/kg ≤ PCBs < 50 mg/kg
- 10 mg/kg ≤ PCBs < 25 mg/kg
- 1.0 mg/kg ≤ PCBs < 10 mg/kg (IDEC)
- 0.5 mg/kg ≤ PCBs < 1.0 mg/kg (RDEC)
- PCBs DETECTED LESS THAN 0.5 mg/kg
- PCBs NOT DETECTED
- SAMPLE NOT ANALYZED FOR PCBs

NOTES:

1. BLOCKS ARE COLOR CODED BASED ON NUMERIC VALUE, REGARDLESS OF DEPTH.
2. CC INDICATES CONCRETE SAMPLE.

ACRONYMS:

ND	NOT DETECTED
mg/kg	MILLIGRAMS PER KILOGRAM
µg/l	MICROGRAMS PER LITER
ETPH	EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS
PAH	POLYCYCLIC AROMATIC HYDROCARBONS
PCB	POLYCHLORINATED BIPHENYL



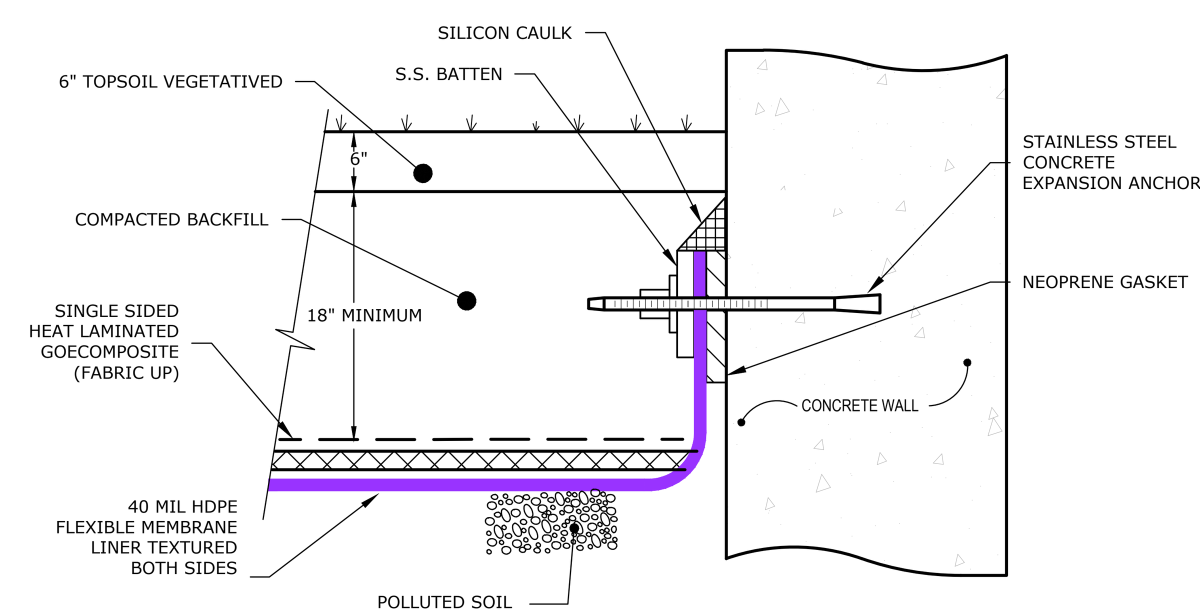
SOIL

Location ID	Sample Depth	Total PCBs (mg/kg)	ETPH (mg/kg)	Total PAHs (mg/kg)	Total VOCs (mg/kg)
B220-SB-100	10' - 12'	ND	97.1	6.583	0.021
B220-SB-100	14' - 16'	ND	21.9	0.714	ND
B220-SB-100	16' - 18'	2.225	420	92.958	0.154
B220-SB-100	18' - 20'	48.18 (0.28)	3,070	943.65	10.09
B220-SB-100	20' - 22'	22.866	78.2	ND	0.2949
B220-SB-100A	7.5' - 10'	0.0447	ND	-	-
B220-SB-100A	17.5' - 20'	0.298	ND	-	-
B220-SB-100A	24' - 25.5'	ND	ND	-	-
B220-SB-100A	25.5' - 28'	ND	ND	-	-
B220-SB-100A	28' - 30'	ND	ND	-	-
B220-SB-163	0' - 2'	ND	1,030	ND	ND
B220-SB-301	6' - 8'	ND	ND	42.542	0.034
B220-SB-401	16' - 18'	0.395	1,410	427.81	0.0372
B220-SB-401	18' - 20.5'	0.221	671	333.17	0.426
B220-SB-403	10' - 12'	ND	45.1	4.583	-
B220-SB-403	14' - 16'	0.139	43.7	8.76	ND
B220-SB-403	16' - 18'	1.827	1,080	580.08 (188.9)	0.0033
B220-SB-403	18' - 20.8'	8.394	1,100	156.5	12.77
B220-SB-504	12.5' - 15'	0.0757	ND	-	-
B220-SB-504	20' - 21'	0.142	ND	-	-
B220-SB-504	23' - 25'	ND	ND	-	-
B220-SB-504	23' - 25.5'	ND	ND	-	-
B220-SB-504	28' - 30'	ND	ND	-	-
B220-SB-507	5' - 7.5'	0.0915	ND	-	-
B220-SB-507	10' - 12.5'	0.145	ND	-	-
B220-SB-507	15' - 17.5'	0.0525	ND	-	-
B220-SB-507	20' - 22.5'	0.105	ND	-	-
B220-SB-507	22.5' - 25.6'	0.0815	ND	-	-
B220-SB-529	0' - 2'	2.80 / 1.88	138	5.581	-
B220-SB-529	2' - 3'	ND	-	-	-
B220-SB-534	0' - 2'	0.121	-	-	-
B220-SB-534	2' - 4'	0.0423	-	-	-
B220-SB-534	6' - 8'	0.0929	-	-	-
B220-SB-534	8' - 10'	42.9 / 0.413 / 0.244 / 0.177	85.8	11.776	ND
B220-SB-534	10' - 12'	0.279	-	-	-
B220-SB-534	12' - 16'	0.0691	-	-	-
B220-SB-534	16' - 20'	ND	-	-	-
B220-SB-534	20' - 21'	ND	-	-	-

CONCRETE

Location ID	Sample Depth	Total PCBs (mg/kg)	ETPH (mg/kg)	Total PAHs (mg/kg)	Total VOCs (mg/kg)
B220-SB-100A	20' - 22'	34.9 / 4.804	-	-	-
B220-SB-504	21' - 23'	5.691	-	-	-

NOTE:
CONCENTRATIONS IN RED TEXT INDICATE THAT TOTAL PCBs WERE DETECTED AT A CONCENTRATION GREATER THAN OR EQUAL TO 1 mg/kg.
VALUES IN PARENTHESES REPRESENT SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP) ANALYTICAL RESULTS IN UNITS OF µg/l.
- INDICATES THE SAMPLE WAS NOT ANALYZED FOR THE INDICATED PARAMETER.



ENGINEERED CONTROL AT BUILDING 250 WALL/STRUCTURE DETAIL

SCALE: NONE

REV.	DESCRIPTION OF REVISION	DATE	APPR.

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Waste • Facility Services • Laboratory
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United Technologies Corporation

SCALE: AS SHOWN
COMM. NO.: 88UT245
DRAWN BY: A.C.L. DATE: 08/03/16
APPROVED BY: K.A.G. DATE: 08/03/16

PCB REMEDIAL ACTION WORK PLAN
PRATT & WHITNEY, MIDDLETOWN, CONNECTICUT

DISTRIBUTION OF PCBs IN SOIL AND CONCRETE FORMER BUILDING 270

Loureiro
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory

DRAWING 3-3
SHEET NO. 3 NO. OF SHEETS 3

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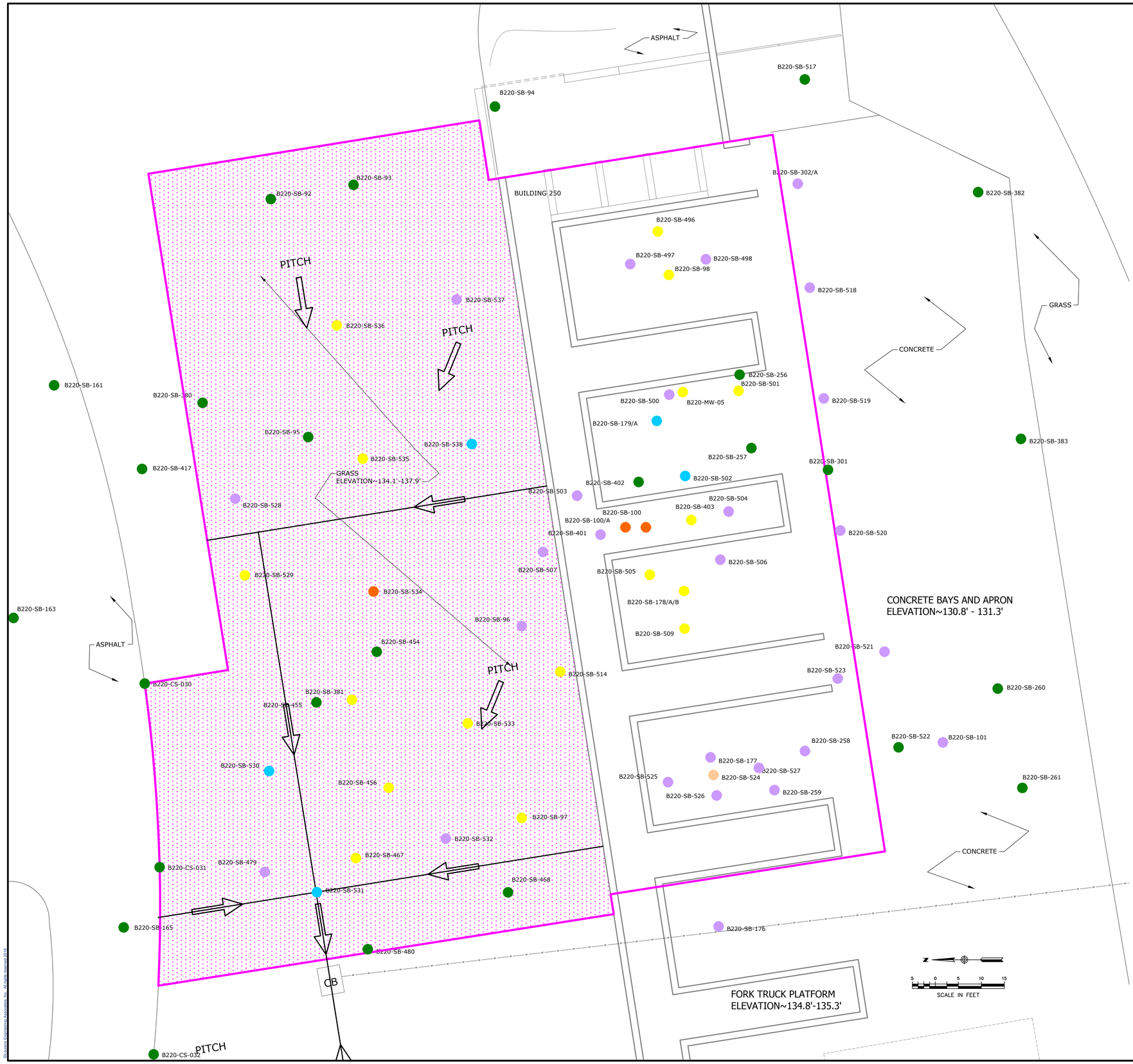

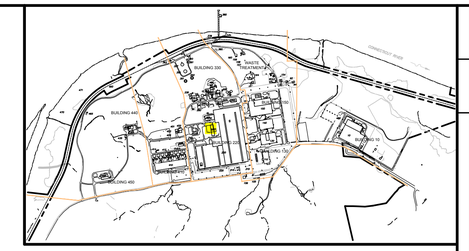

KEY MAP

SCALE IN FEET

LEGEND

- BUILDING, STRUCTURES
- ROAD
- BUILDING 250
- STORM SEWER LINE
- CATCH BASIN
- HDPE LINER PITCH
- HDPE LINER (DRAIN ABOVE LINER)
- AREA SUBJECT TO TSCA RISK-BASED APPROVAL 761.61 (c)
- APPROXIMATE LIMITS OF CT DEEP-APPROVED RSR ENGINEERED CONTROL (PLANNED)
- PCBs DETECTED GREATER THAN OR EQUAL TO 50 mg/kg
- 25 mg/kg ≤ PCBs < 50 mg/kg
- 10 mg/kg ≤ PCBs < 25 mg/kg
- 1.0 mg/kg ≤ PCBs < 10 mg/kg (IDEC)
- 0.5 mg/kg ≤ PCBs < 1.0 mg/kg (RDEC)
- PCBs DETECTED LESS THAN 0.5 mg/kg
- PCBs NOT DETECTED
- SAMPLE NOT ANALYZED FOR PCBs

NOTES:

1. BLOCKS ARE COLOR CODED BASED ON NUMERIC VALUE, REGARDLESS OF DEPTH.
2. CC INDICATES CONCRETE SAMPLE.
3. mg/kg MILLIGRAMS PER KILOGRAM.

REV.	DESCRIPTION OF REVISION	DATE	APPR.

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United Technologies Corporation

SCALE	DRAWN BY	DATE
AS SHOWN	A.C.L.	08/03/16
COMM NO. 88UT245	APPROVED BY K.A.G.	DATE 08/03/16

PCB REMEDIAL ACTION WORK PLAN
PRATT & WHITNEY, MIDDLETOWN, CONNECTICUT

AREA SUBJECT TO TSCA RISK-BASED APPROVAL

Loureiro
Engineering • Construction • Energy
Roads • Facility Services • Laboratory

DRAWING 3-4

SHEET NO. 1 NO. OF SHEETS 1

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Tables

Table 3-1
SUMMARY OF SOIL AND CONCRETE SAMPLING AND ANALYTICAL INFORMATION
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory

Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
B220-CS-030	1356324	04/13/2016	0-2	SSC			X		x	x		
B220-CS-031	1356325	04/13/2016	0-2	SSC			X		x	X		
B220-CS-032	1356326	04/13/2016	0-2	SSC			x		x	x		
B220-MW-05	1258619	05/11/2012	2.5 - 5.0	SB		X	X		x	X	X	
B220-MW-05	1258620	05/11/2012	5 - 7.5	SB			X		x	x		
B220-MW-05	1258621	05/11/2012	7.5 - 10.0	SB			X		x	X		
B220-MW-05	1258623	05/11/2012	12.5 - 15.0	SB		X	X		X	X	X	
B220-MW-05	1258624	05/11/2012	25 - 27.5	SB		X	x		x	x	X	
B220-MW-05	1258627	05/11/2012	35.0 - 37.5	SB		x	x		x	x	X	
B220-SB-100	1255079	03/29/2012	10 - 12	SB		X	X		x	X	X	
B220-SB-100	1255081	03/29/2012	14 - 16	SB		x	X		x	X	X	
B220-SB-100	1255082	03/29/2012	16 - 18	SB		X	X		X	X	X	
B220-SB-100	1255083	03/29/2012	18 - 20	SB		X	X		XS	XS	X	
B220-SB-100	1255084	03/29/2012	20 - 22	SB		X	x		X	X	X	
B220-SB-100A	1293928	11/27/2013	7.5 - 10.0	SB					X			
B220-SB-100A	1293932	11/27/2013	17.5 - 20.0	SB					X			
B220-SB-100A	1293933	11/27/2013	20.2	CC					X			
B220-SB-100A	1293938	11/27/2013	20.2	CC					X			
B220-SB-100A	1293934	11/27/2013	24 - 25.5	SB					x			
B220-SB-100A	1293935	11/27/2013	25.5 - 28.0	SB					x			
B220-SB-100A	1293936	11/27/2013	28.0 - 30.0	SB					x			
B220-SB-101	1251966	03/13/2012	0 - 2	SB		X	x		X	X	Xs	
B220-SB-101	1251983	03/13/2012	2 - 4	SB		X			x		X	
B220-SB-161	1251812	03/06/2012	0 - 2	SB		X	x		x	X	X	
B220-SB-161	1251815	03/06/2012	0 - 2	SB		x	x		x	X	X	
B220-SB-161	1251816	03/06/2012	2 - 4	SB		x				x		
B220-SB-163	1251818	03/06/2012	0 - 2	SB		x	x		x	X	X	
B220-SB-163	1251819	03/06/2012	2 - 4	SB						x		
B220-SB-165	1251841	03/06/2012	0 - 2	SB		x	x		x	X	X	
B220-SB-165	1251842	03/06/2012	2 - 4	SB						x		
B220-SB-176	1252008	03/14/2012	0 - 2	SB		x	X		X	X	X	
B220-SB-176	1252044	03/15/2012	2 - 4	SB		x	X		x	X	X	

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Loureiro
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Waste • Facility Services • Laboratory

Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
B220-SB-176	1252045	03/15/2012	2 - 4	SB		x	X		x	X	X	
B220-SB-176	1252046	03/15/2012	4 - 6	SB			x					
B220-SB-177	1252010	03/14/2012	2 - 4	SB		X	X		X	X	X	
B220-SB-177	1252011	03/14/2012	4 - 6	SB			X		x	X		
B220-SB-178	1252013	03/14/2012	2 - 4	SB		x	X		x	X	X	
B220-SB-178	1252014	03/14/2012	4 - 6	SB			X					
B220-SB-178A	1259482	06/20/2012	0 - 2	SB					x			
B220-SB-178A	1259438	06/20/2012	12 - 14	SB		x	X		x	X	X	
B220-SB-178A	1259488	06/20/2012	12 - 14	SB		X	X		x	X	X	
B220-SB-178B	1262346	07/26/2012	14 - 17	SB		X	X		X	X	X	
B220-SB-178B	1262347	07/26/2012	14 - 17	SB		X	X		X	X	X	
B220-SB-179	1252016	03/14/2012	2 - 4	SB		X	X		x	X	X	
B220-SB-179	1252017	03/14/2012	4 - 6	SB		X	X		X	X	X	
B220-SB-179	1255246	04/05/2012	6 - 8	SB		X	X		x	X	X	
B220-SB-179	1255247	04/05/2012	8 - 10	SB		X	X		X	X	X	
B220-SB-179A	1256790	04/16/2012	12 - 14	SB		X	X		x	X	X	
B220-SB-256	1255249	04/05/2012	2 - 4	SB		X	X		x	x	X	
B220-SB-256	1255250	04/05/2012	4 - 6	SB		X	X		x	x	X	
B220-SB-257	1255254	04/05/2012	2 - 4	SB		X	X		x	X	X	
B220-SB-257	1255255	04/05/2012	4 - 6	SB		X	x		x	x	X	
B220-SB-258	1255242	04/05/2012	2 - 4	SB		X	X		X	X	X	
B220-SB-258	1255243	04/05/2012	4 - 6	SB		x	x		x	x	X	
B220-SB-259	1255232	04/05/2012	2 - 4	SB		x	X		X	X	X	
B220-SB-259	1255233	04/05/2012	4 - 6	SB		X	x		x	x	X	
B220-SB-260	1255228	04/05/2012	0 - 2	SB		X			x		X	
B220-SB-261	1255224	04/05/2012	0 - 2	SB		x			x		X	
B220-SB-261	1255225	04/05/2012	0 - 2	SB		x			x		X	
B220-SB-301	1257924	04/18/2012	2 - 4	SB			X					
B220-SB-301	1257926	04/18/2012	6 - 8	SB		X	X		x	x	X	
B220-SB-302	1257914	04/18/2012	2 - 4	SB		X	x			X		
B220-SB-302	1257916	04/18/2012	6 - 8	SB		X	X		x	X	XS	
B220-SB-302	1257919	04/18/2012	12 - 14	SB		X	X		x	X	X	

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Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
B220-SB-302	1257920	04/18/2012	14 - 16	SB		X	X		X	X	X	
B220-SB-302	1257922	04/18/2012	18 - 20	SB		x	x		x	x	X	
B220-SB-302A	1261122	07/11/2012	2 - 4	SB			X					
B220-SB-302A	1261123	07/11/2012	2 - 4	SB			X					
B220-SB-380	1258664	05/11/2012	0 - 2	SB		X	X		x	X	X	
B220-SB-380	1258665	05/11/2012	2 - 4	SB		X	x		x	x	X	
B220-SB-380	1258667	05/11/2012	6 - 8	SB		X	x		x	x	X	
B220-SB-380	1258668	05/11/2012	8 - 10	SB		X	x		x	x	X	
B220-SB-380	1258669	05/11/2012	10 - 12	SB		X	x		x	x	X	
B220-SB-381	1259324	06/05/2012	0 - 2	SB		X	X		XS	X	X	
B220-SB-381	1259325	06/05/2012	2 - 4	SB					X			
B220-SB-381	1259326	06/05/2012	4 - 6	SB					X			
B220-SB-381	1259327	06/05/2012	6 - 8	SB		X	X		X	X	X	
B220-SB-381	1259337	06/05/2012	16 - 20	SB		X	X		x	X	X	
B220-SB-382	1259300	06/05/2012	0 - 2	SB		X	X		x	X	X	
B220-SB-382	1259302	06/05/2012	4 - 8	SB		x	X		x	x	X	
B220-SB-382	1259307	06/05/2012	14 - 16	SB		X	x		x	x	X	
B220-SB-382	1259309	06/05/2012	18 - 20	SB		X	x		x	x	X	
B220-SB-382	1259310	06/05/2012	18 - 20	SB		X	x		x	x	X	
B220-SB-382	1259311	06/05/2012	20 - 23	SB		X	x		x	x	X	
B220-SB-383	1259312	06/05/2012	0 - 2	SB		X	X		x	X	X	
B220-SB-383	1259315	06/05/2012	6 - 8	SB		X	x		x	x	X	
B220-SB-383	1259321	06/05/2012	14 - 16	SB		X	x		x	x	X	
B220-SB-383	1259323	06/05/2012	18 - 20	SB		X	x		x	x	X	
B220-SB-401	1259977	06/04/2012	8 - 10	SB		x				X		
B220-SB-401	1259979	06/04/2012	12 - 14	SB		X				X		
B220-SB-401	1259981	06/04/2012	16 - 18	SB		X	X		X	X	X	
B220-SB-401	1259982	06/04/2012	18 - 20.5	SB		X	X		X	X	X	
B220-SB-402	1259475	06/20/2012	0 - 2	SB					x			
B220-SB-402	1259481	06/20/2012	12 - 14	SB		X	X		x	X	X	
B220-SB-403	1259968	06/04/2012	10 - 12	SB			X		x	X		
B220-SB-403	1259970	06/04/2012	14 - 16	SB			X		X	X		

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Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
B220-SB-403	1259971	06/04/2012	16 - 18	SB		X	XS		X	X	X	
B220-SB-403	1259972	06/04/2012	18 - 20.8	SB		X	X		X	X	X	
B220-SB-417	1259364	06/08/2012	0 - 2	SB					x			
B220-SB-417	1259392	06/08/2012	2 - 4	SB					x			
B220-SB-417	1259394	06/08/2012	6 - 8	SB							X	
B220-SB-417	1259396	06/08/2012	10 - 12	SB		X	x		x	x	X	
B220-SB-417	1259399	06/08/2012	16 - 18	SB		X	x		x	x	X	
B220-SB-417	1259400	06/08/2012	16 - 18	SB		X	x		x	x	X	
B220-SB-454	1260605	06/26/2012	0 - 2	SB					x			
B220-SB-455	1260632	06/26/2012	0 - 2	SB					x			
B220-SB-456	1260635	06/26/2012	0 - 2	SB					X			
B220-SB-456	1260636	06/26/2012	2 - 4	SB					x			
B220-SB-467	1261114	07/11/2012	0 - 2	SB					X			
B220-SB-467	1261115	07/11/2012	2 - 4	SB					x			
B220-SB-468	1261118	07/11/2012	0 - 2	SB					x			
B220-SB-468	1261119	07/11/2012	2 - 4	SB					x			
B220-SB-479	1262362	07/26/2012	0 - 2	SB					X			
B220-SB-479	1262363	07/26/2012	2 - 4	SB					x			
B220-SB-480	1262365	07/26/2012	0 - 2	SB					x			
B220-SB-480	1262366	07/26/2012	2 - 4	SB					x			
B220-SB-496	1293833	11/25/2013	0.0 - 2.5	SB					X			
B220-SB-496	1293835	11/25/2013	5.0 - 7.5	SB					X			
B220-SB-496	1293837	11/25/2013	10.0 - 12.5	SB					X			
B220-SB-496	1293838	11/25/2013	12.5 - 15.0	SB					X			
B220-SB-496	1293839	11/25/2013	15 - 17.5	SB					X			
B220-SB-496	1293840	11/25/2013	17.5 - 20.0	SB					X			
B220-SB-497	1293151	11/25/2013	5.0 - 7.5	SB					x			
B220-SB-497	1293154	11/25/2013	12.5 - 15.0	SB					X			
B220-SB-497	1293828	11/25/2013	15 - 17.5	SB					X			
B220-SB-497	1293829	11/25/2013	17.5 - 20.0	SB					x			
B220-SB-497	1293831	11/25/2013	22.5 - 26.0	SB					x			
B220-SB-498	1293843	11/25/2013	0.0 - 2.5	SB					X			

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Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
B220-SB-498	1293845	11/25/2013	5.0 - 7.5	SB					X			
B220-SB-498	1293848	11/25/2013	12.5 - 15.0	SB					X			
B220-SB-498	1293849	11/25/2013	15.0 - 17.5	SB					X			
B220-SB-498	1293850	11/25/2013	17.5 - 20.0	SB					x			
B220-SB-500	1293783	11/22/2013	7.5 - 10.0	SB					X			
B220-SB-500	1293785	11/22/2013	12.5 - 15.0	SB					X			
B220-SB-500	1293785A	11/22/2013	14	CC					x			
B220-SB-500	1293786	11/22/2013	17.5 - 20.0	SB					x			
B220-SB-500	1293786A	11/22/2013	17.5-	CC					x			
B220-SB-500	1293787	11/22/2013	17.5 - 20.0	SB					x			
B220-SB-500	1293787A	11/22/2013	17.5-	CC					x			
B220-SB-500	1293790	11/22/2013	25.0 - 26.0	SB					x			
B220-SB-501	1293129	11/22/2013	2.5 - 5.0	SB					X			
B220-SB-501	1293132	11/22/2013	10.0 - 12.5	SB					x			
B220-SB-501	1293133	11/22/2013	12.5 - 15.0	SB					X			
B220-SB-501	1293134	11/22/2013	15.0 - 17.5	SB					X			
B220-SB-501	1293134A	11/22/2013	17-17	CC					X			
B220-SB-501	1293135	11/22/2013	17.5 - 20.0	SB					x			
B220-SB-501	1293138	11/22/2013	25.0 - 26.0	SB					x			
B220-SB-502	1293140	11/22/2013	2.5 - 5.0	SB					x			
B220-SB-502	1293144	11/22/2013	12.5 - 15.0	SB					X			
B220-SB-502	1293144A	11/22/2013	14.5	CC					X			
B220-SB-502	1293145	11/22/2013	15.0 - 17.5	SB					X			
B220-SB-502	1293145A	11/22/2013	15-16	CC					X			
B220-SB-502	1293146	11/22/2013	17.5 - 20.0	SB					x			
B220-SB-502	1293146A	11/22/2013	17.5-	CC					x			
B220-SB-502	1293148	11/22/2013	22.5 - 26	SB					x			
B220-SB-503	1293794	11/22/2013	7.5 - 9.5	SB					X			
B220-SB-503	1293796	11/22/2013	12.5 - 15.0	SB					X			
B220-SB-503	1293796A	11/22/2013	14	CC					X			
B220-SB-503	1293797	11/22/2013	15.0 - 17.5	SB					X			
B220-SB-503	1293797A	11/22/2013	15-15	CC					x			

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Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
B220-SB-503	1293125	11/22/2013	17.5 - 20.0	SB					X			
B220-SB-503	1293125A	11/22/2013	17.5-	CC					X			
B220-SB-503	1293127	11/22/2013	22.5 - 25.0	SB					x			
B220-SB-504	1293175	11/27/2013	12.5 - 15.0	SB					X			
B220-SB-504	1277893	11/27/2013	20 - 21	SB					X			
B220-SB-504	1293920	11/27/2013	21	CC					X			
B220-SB-504	1293921	11/27/2013	23.0 - 25.0	SB					x			
B220-SB-504	1293923	11/27/2013	23.0 - 25.5	SB					x			
B220-SB-504	1293924	11/27/2013	28 - 30	SB					x			
B220-SB-505	1293855	11/26/2013	2.5 - 5.0	SB					x			
B220-SB-505	1293859	11/26/2013	12.5 - 15.0	SB					X			
B220-SB-505	1293860	11/26/2013	12.5 - 15	SB					X			
B220-SB-505	1293861	11/26/2013	15.0 - 17.5	SB					X			
B220-SB-505	1293862	11/26/2013	17.5 - 20.0	SB					x			
B220-SB-505	1293863	11/26/2013	20.0 - 22.5	SB					x			
B220-SB-506	1293162	11/26/2013	5.0 - 7.5	SB					X			
B220-SB-506	1293165	11/26/2013	12.5 - 15.0	SB					X			
B220-SB-506	1293166	11/26/2013	15.0 - 17.5	SB					X			
B220-SB-506	1293167	11/26/2013	17.5 - 20.0	SB					X			
B220-SB-506	1293168	11/26/2013	20.0 - 22.5	SB					x			
B220-SB-507	1293767	11/21/2013	5.0 - 7.5	SB					X			
B220-SB-507	1293769	11/21/2013	10.0 - 12.5	SB					X			
B220-SB-507	1293771	11/21/2013	15.0 - 17.5	SB					X			
B220-SB-507	1293772	11/21/2013	20 - 22.5	SB					X			
B220-SB-507	1293773	11/21/2013	22.5 - 25.6	SB					X			
B220-SB-509	1293866	11/26/2013	0.0 - 2.5	SB					X			
B220-SB-509	1293871	11/26/2013	12.5 - 15.0	SB					x			
B220-SB-509	1293872	11/26/2013	15.0 - 17.5	SB					X			
B220-SB-509	1293155	11/26/2013	17.5 - 20	SB					x			
B220-SB-509	1293873	11/26/2013	17.5 - 20.0	SB					x			
B220-SB-509	1293156	11/26/2013	20.0 - 22.5	SB					x			
B220-SB-509	1293158	11/26/2013	22.5 - 25.0	SB					X			

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Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
B220-SB-514	1298879	02/03/2014	0 - 2	SB					X			
B220-SB-514	1298880	02/03/2014	2 - 4	SB					x			
B220-SB-514	1298885	02/03/2014	12 - 14	SB					x			
B220-SB-514	1298886	02/03/2014	14 - 16	SB					x			
B220-SB-514	1298887	02/03/2014	16 - 18	SB					x			
B220-SB-517	1327988	06/05/2014	6 - 8	SB		X	x		x	x		
B220-SB-517	1327991	06/05/2014	12 - 14	SB		X	x		x	x		
B220-SB-517	1327993	06/05/2014	16 - 18	SB		X	x		x	x		
B220-SB-517	1327994	06/05/2014	18 - 20	SB		X	x		x	x		
B220-SB-518	1327996	06/05/2014	6 - 8	SB		X	X		X	X		
B220-SB-518	1327999	06/05/2014	12 - 14	SB		X	x		x	x		
B220-SB-518	1328000	06/05/2014	12 - 14	SB		X	x		x	X		
B220-SB-518	1328001	06/05/2014	14 - 16	SB		X	X		X	X		
B220-SB-519	1328005	06/06/2014	6 - 8	SB		X	X		x	X		
B220-SB-519	1328008	06/06/2014	12 - 14	SB		X	X		X	X		
B220-SB-519	1328010	06/06/2014	16 - 18	SB		X	X		X	X		
B220-SB-519	1328011	06/06/2014	18 - 20	SB		X	X		X	X		
B220-SB-520	1328017	06/06/2014	6 - 8	SB		X	X		X	X		
B220-SB-520	1328020	06/06/2014	12 - 14	SB		X	x		X	X		
B220-SB-520	1328022	06/06/2014	16 - 20	SB		X	x		X	X		
B220-SB-521	1328026	06/06/2014	6 - 8	SB		X	X		X	X		
B220-SB-521	1328029	06/06/2014	12 - 14	SB		X	x		X	X		
B220-SB-521	1328031	06/06/2014	16 - 18	SB		X	x		x	x		
B220-SB-521	1328032	06/06/2014	18 - 20	SB		x	x		x	x		
B220-SB-522	1328036	06/06/2014	6 - 8	SB		x	x		x	x		
B220-SB-522	1328039	06/06/2014	12 - 14	SB		X	x		x	x		
B220-SB-522	1328041	06/06/2014	16 - 18	SB		X	x		x	x		
B220-SB-522	1328042	06/06/2014	18 - 20	SB		x	x		x	x		
B220-SB-523	1298866	02/03/2014	0 - 2	SB					X			
B220-SB-523	1298867	02/03/2014	2 - 4	SB					X			
B220-SB-523	1298871	02/03/2014	10 - 12	SB					x			
B220-SB-523	1298872	02/03/2014	12 - 14	SB					x			

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SUMMARY OF SOIL AND CONCRETE SAMPLING AND ANALYTICAL INFORMATION
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
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Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
B220-SB-523	1298873	02/03/2014	14 - 16	SB					x			
B220-SB-524	1298853	02/03/2014	0 - 2	SB					X			
B220-SB-524	1298854	02/03/2014	2 - 4	SB					X			
B220-SB-524	1298859	02/03/2014	12 - 14	SB					x			
B220-SB-524	1298860	02/03/2014	12 - 14	SB					x			
B220-SB-524	1298861	02/03/2014	14 - 16	SB					x			
B220-SB-524	1298862	02/03/2014	16 - 18	SB					x			
B220-SB-525	1354568	02/24/2016	0 - 2	SB					X			
B220-SB-526	1354569	02/24/2016	0 - 2	SB					X			
B220-SB-527	1354571	02/24/2016	0 - 2	SB					X			
B220-SB-528	1359669	07/01/2016	0 - 2	SB					X			
B220-SB-528	1359670	07/01/2016	2 - 3	SB					x			
B220-SB-529	1359675	07/01/2016	0 - 2	SB			X		X	X		
B220-SB-529	1359676	07/01/2016	2 - 3	SB					x			
B220-SB-530	1359690	07/12/2016	0 - 2	SB					X			
B220-SB-530	1359691	07/12/2016	2 - 2.5	SB					X			
B220-SB-531	1359694	07/06/2016	0 - 2	SB					X			
B220-SB-531A	1359699	07/13/2016	2 - 3	SB					X			
B220-SB-532	1359693	07/06/2016	0 - 2	SB					X			
B220-SB-532A	1359692	07/12/2016	2 - 3	SB					X			
B220-SB-533	1359687	07/12/2016	0 - 2	SB					X			
B220-SB-533	1359689	07/12/2016	0 - 2	SB					X			
B220-SB-533	1359688	07/12/2016	2 - 3	SB					X			
B220-SB-534	1359659	07/01/2016	0 - 2	SB					X			
B220-SB-534	1359660	07/01/2016	2 - 4	SB					X			
B220-SB-534	1359663	07/01/2016	6 - 8	SB					X			
B220-SB-534	1359664	07/01/2016	8 - 10	SB		X	X		X	X		
B220-SB-534	1359665	07/01/2016	10 - 12	SB					X			
B220-SB-534	1359666	07/01/2016	12 - 16	SB					X			
B220-SB-534	1359667	07/01/2016	16 - 20	SB					x			
B220-SB-534	1359668	07/01/2016	20 - 21	SB					x			
B220-SB-535	1359651	07/01/2016	0 - 2	SB					X			

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SUMMARY OF SOIL AND CONCRETE SAMPLING AND ANALYTICAL INFORMATION
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
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Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
B220-SB-535	1359652	07/01/2016	0 - 2	SB					X			
B220-SB-535	1359653	07/01/2016	2 - 4	SB					X			
B220-SB-535	1359655	07/01/2016	6 - 8	SB					X			
B220-SB-535	1359657	07/01/2016	10 - 12	SB					X			
B220-SB-535	1359658	07/01/2016	12 - 16	SB					X			
B220-SB-536	1359631	07/01/2016	0 - 2	SB					x			
B220-SB-536	1359632	07/01/2016	2 - 4	SB					x			
B220-SB-536	1359635	07/01/2016	8 - 10	SB					X			
B220-SB-536	1359638	07/01/2016	14 - 16	SB					X			
B220-SB-536	1359640	07/01/2016	18 - 20	SB					x			
B220-SB-536	1359641	07/01/2016	20 - 22	SB		X	X		X	X		
B220-SB-537	1359621	07/01/2016	0 - 4	SB					x			
B220-SB-537	1359624	07/01/2016	8 - 10	SB					x			
B220-SB-537	1359626	07/01/2016	12 - 14	SB					X			
B220-SB-537	1359629	07/01/2016	18 - 20	SB					X			
B220-SB-538	1359642	07/01/2016	0 - 2	SB					X			
B220-SB-538	1359643	07/01/2016	2 - 4	SB					X			
B220-SB-538	1359645	07/01/2016	6 - 8	SB					X			
B220-SB-538	1359647	07/01/2016	10 - 12	SB					X			
B220-SB-538	1359649	07/01/2016	14 - 16	SB					X			
B220-SB-538	1359650	07/01/2016	16 - 18	SB					X			
B220-SB-92	1255042	03/27/2012	8 - 10	SB		X	X		x	X	X	
B220-SB-92	1255045	03/27/2012	14 - 16	SB		X	x		x	X	X	
B220-SB-93	1251887	03/09/2012	4.0 - 6.0	SB		X				X		
B220-SB-93	1251888	03/09/2012	6.0 - 8.0	SB		X				X		
B220-SB-93	1251890	03/09/2012	10 - 12	SB		X	X		x	x	X	
B220-SB-93	1251891	03/09/2012	12.0 - 16.0	SB		X	x					
B220-SB-94	1251865	03/07/2012	0 - 2	SB			X		x			
B220-SB-94	1255032	03/27/2012	8 - 10	SB		X	X		x	X	X	
B220-SB-94	1255035	03/27/2012	14 - 16	SB		X	X		x	x	X	
B220-SB-95	1252076	03/15/2012	18 - 20	SB		X	X		x	X	X	
B220-SB-96	1252194	03/26/2012	18 - 20.2	SB		X	X		X	X	X	

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SUMMARY OF SOIL AND CONCRETE SAMPLING AND ANALYTICAL INFORMATION
Pratt & Whitney Facility, Middletown, Connecticut

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Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
B220-SB-97	1252039	03/15/2012	0 - 2	SB		X	X		X	X	X	
B220-SB-97	1252040	03/15/2012	2 - 3.5	SB			X		X			
B220-SB-98	1255101	03/30/2012	2 - 4	SB		X	X		x	X	X	
B220-SB-98	1255103	03/30/2012	6 - 8	SB		X	XS		x	XS	X	
B220-SB-98	1255106	03/30/2012	12 - 14	SB		X	X		X	X	X	
B220-SB-98	1255107	03/30/2012	14 - 15	SB		X	X		X	X	X	

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Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-MW-05	B220-SB-100	B220-SB-100	B220-SB-100	B220-SB-100	B220-SB-100A	B220-SB-100A
	Sample ID	1258623	1255082	1255083	1255083	1255084	1293928	1293932
	Sample Date	5/11/2012	3/29/2012	3/29/2012	3/29/2012	3/29/2012	11/27/2013	11/27/2013
	Sample Time	10:37	15:10	15:15	15:15	15:20	10:44	11:07
	Sample Depth	12.5' - 15.0'	16' - 18'	18' - 20'	18' - 20'	20' - 22'	7.5' - 10.0'	17.5' - 20.0'
	Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC10508-7A	MC9170-22R	MC9170-23	MC9170-23R	MC9170-24	MC26736-21	MC26736-25
Constituent	Units							
Date PCBs Analyzed	-	5/18/2012	4/12/2012	4/4/2012		4/4/2012	12/3/2013	12/3/2013
Extraction Method	-	3546	3546	3546		3546	3540C	3540C
Arochlor 1232	mg/kg			2.08 E		0.866 E		
Arochlor 1242	mg/kg							
Arochlor 1248	mg/kg		0.485					
Arochlor 1254	mg/kg	3.5	1.74	17.2			0.0447	0.298
Arochlor 1260	mg/kg			28.9		22		
Total PCBs	mg/kg	3.5	2.225	48.18		22.866	0.0447	0.298
Date of PCBs SPLP Analysis	-				4/13/2012			
Arochlor 1254 (SPLP)	mg/L				0.00028			
Total PCBs (SPLP)	mg/L				0.00028			

Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-SB-100A	B220-SB-100A	B220-SB-101	B220-SB-176	B220-SB-177	B220-SB-178B	B220-SB-178B
	Sample ID	1293933	1293938	1251966	1252008	1252010	1262346	1262347
	Sample Date	11/27/2013	11/27/2013	3/13/2012	3/14/2012	3/14/2012	7/26/2012	7/26/2012
	Sample Time	11:20	11:20	12:10	11:35	12:03	10:15	10:15
	Sample Depth	20.2'	20.2'	0' - 2'	0' - 2'	2' - 4'	14' - 17'	14' - 17'
	Sample Type	Concrete	Concrete	Soil	Soil	Soil	Soil	Soil
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC26736-29	MC26736-30	MC8700-22	MC8745-25	MC8745-27	MC12585-4	MC12585-5
Constituent	Units							
Date PCBs Analyzed	-	12/3/2013	12/3/2013	3/16/2012	3/16/2012	3/16/2012	7/30/2012	7/30/2012
Extraction Method	-	3540C	3540C	3546	3546	3546	3546	3546
Arochlor 1232	mg/kg							
Arochlor 1242	mg/kg							
Arochlor 1248	mg/kg							
Arochlor 1254	mg/kg	4.5	23.7	0.209	0.173	0.245	7.31	2.75
Arochlor 1260	mg/kg	0.304	11.2					
Total PCBs	mg/kg	4.804	34.9	0.209	0.173	0.245	7.31	2.75
Date of PCBs SPLP Analysis	-							
Arochlor 1254 (SPLP)	mg/L							
Total PCBs (SPLP)	mg/L							

Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-SB-179	B220-SB-179	B220-SB-258	B220-SB-259	B220-SB-302	B220-SB-381	B220-SB-381
	Sample ID	1252017	1255247	1255242	1255232	1257920	1259324	1259324
	Sample Date	3/14/2012	4/5/2012	4/5/2012	4/5/2012	4/18/2012	6/5/2012	6/5/2012
	Sample Time	15:40	12:20	11:00	10:30	10:35	14:45	14:45
	Sample Depth	4' - 6'	8' - 10'	2' - 4'	2' - 4'	14' - 16'	0' - 2'	0' - 2'
	Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC8745-34	MC9362-20	MC9362-15	MC9362-10	MC9761-9	MC11159-33	MC11159-33R
Constituent	Units							
Date PCBs Analyzed	-	3/17/2012	4/10/2012	4/10/2012	4/10/2012	4/23/2012	6/8/2012	
Extraction Method	-	3546	3545	3545	3545	3546	3546	
Arochlor 1232	mg/kg							
Arochlor 1242	mg/kg					0.202		
Arochlor 1248	mg/kg							
Arochlor 1254	mg/kg	0.567	0.153	0.202	0.259		4.04	
Arochlor 1260	mg/kg							
Total PCBs	mg/kg	0.567	0.153	0.202	0.259	0.202	4.04	
Date of PCBs SPLP Analysis	-							6/20/2012
Arochlor 1254 (SPLP)	mg/L							0.00037
Total PCBs (SPLP)	mg/L							0.00037

Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-SB-381	B220-SB-381	B220-SB-381	B220-SB-401	B220-SB-401	B220-SB-403	B220-SB-403
	Sample ID	1259325	1259326	1259327	1259981	1259982	1259970	1259971
	Sample Date	6/5/2012	6/5/2012	6/5/2012	6/4/2012	6/4/2012	6/4/2012	6/4/2012
	Sample Time	14:50	14:55	15:00	13:38	13:41	11:34	11:39
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	16' - 18'	18' - 20.5'	14' - 16'	16' - 18'
	Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC11159-34R	MC11159-35R	MC11159-36	MC11120-19	MC11120-20	MC11120-8R	MC11120-9
Constituent	Units							
Date PCBs Analyzed	-	6/19/2012	6/19/2012	6/8/2012	6/6/2012	6/6/2012	6/15/2012	6/7/2012
Extraction Method	-	3546	3546	3546	3546	3546	3546	3546
Arochlor 1232	mg/kg							
Arochlor 1242	mg/kg				0.196			
Arochlor 1248	mg/kg							0.367
Arochlor 1254	mg/kg	1.22	0.319	0.222	0.199	0.221	0.139	1.46
Arochlor 1260	mg/kg							
Total PCBs	mg/kg	1.22	0.319	0.222	0.395	0.221	0.139	1.827
Date of PCBs SPLP Analysis	-							
Arochlor 1254 (SPLP)	mg/L							
Total PCBs (SPLP)	mg/L							

Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-SB-403	B220-SB-456	B220-SB-467	B220-SB-479	B220-SB-496	B220-SB-496	B220-SB-496
	Sample ID	1259972	1260635	1261114	1262362	1293833	1293835	1293837
	Sample Date	6/4/2012	6/26/2012	7/11/2012	7/26/2012	11/25/2013	11/25/2013	11/25/2013
	Sample Time	11:43	15:00	10:30	14:00	12:00	12:05	12:24
	Sample Depth	18' - 20.8'	0' - 2'	0' - 2'	0' - 2'	0.0' - 2.5'	5.0' - 7.5'	10.0' - 12.5'
	Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC11120-10	MC11814-28	MC12176-4	MC12585-24	MC26650-11	MC26650-13	MC26650-15R
Constituent	Units							
Date PCBs Analyzed	-	6/6/2012	6/29/2012	7/16/2012	7/29/2012	12/4/2013	12/3/2013	12/20/2013
Extraction Method	-	3546	3546	3546	3546	3540C	3540C	3540C
Arochlor 1232	mg/kg							
Arochlor 1242	mg/kg							
Arochlor 1248	mg/kg	0.577						
Arochlor 1254	mg/kg	7.33	3.61	1.31	0.103	0.0851	0.148	0.262
Arochlor 1260	mg/kg	0.487					0.226	
Total PCBs	mg/kg	8.394	3.61	1.31	0.103	0.0851	0.374	0.262
Date of PCBs SPLP Analysis	-							
Arochlor 1254 (SPLP)	mg/L							
Total PCBs (SPLP)	mg/L							

Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-SB-496	B220-SB-496	B220-SB-496	B220-SB-497	B220-SB-497	B220-SB-498	B220-SB-498
	Sample ID	1293838	1293839	1293840	1293154	1293828	1293843	1293845
	Sample Date	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013	11/25/2013
	Sample Time	12:39	12:56	13:00	9:30	10:30	14:15	14:19
	Sample Depth	12.5' - 15.0'	15' - 17.5'	17.5' - 20.0'	12.5' - 15.0'	15' - 17.5'	0.0' - 2.5'	5.0' - 7.5'
	Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC26650-16	MC26650-17	MC26650-18	MC26650-6	MC26650-7	MC26650-20	MC26650-22
Constituent	Units							
Date PCBs Analyzed	-	12/3/2013	12/3/2013	12/3/2013	12/4/2013	12/4/2013	12/3/2013	12/3/2013
Extraction Method	-	3540C	3540C	3540C	3540C	3540C	3540C	3540C
Arochlor 1232	mg/kg							
Arochlor 1242	mg/kg							
Arochlor 1248	mg/kg			0.187				
Arochlor 1254	mg/kg	1.5	0.0824	0.23	0.0871	0.127	0.0742	0.123
Arochlor 1260	mg/kg			0.0761	0.071			0.0576
Total PCBs	mg/kg	1.5	0.0824	0.4931	0.1581	0.127	0.0742	0.1806
Date of PCBs SPLP Analysis	-							
Arochlor 1254 (SPLP)	mg/L							
Total PCBs (SPLP)	mg/L							

Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-SB-498	B220-SB-498	B220-SB-500	B220-SB-500	B220-SB-501	B220-SB-501	B220-SB-501
	Sample ID	1293848	1293849	1293783	1293785	1293129	1293133	1293134
	Sample Date	11/25/2013	11/25/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013
	Sample Time	14:33	14:45	9:58	10:08	13:57	14:07	14:19
	Sample Depth	12.5' - 15.0'	15.0' - 17.5'	7.5' - 10.0'	12.5' - 15.0'	2.5' - 5.0'	12.5' - 15.0'	15.0' - 17.5'
	Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC26650-25	MC26650-26	MC26575-4A	MC26575-6A	MC26575-23A	MC26575-27A	MC26575-28A
Constituent	Units							
Date PCBs Analyzed	-	12/3/2013	12/3/2013	12/2/2013	12/2/2013	12/3/2013	12/3/2013	12/3/2013
Extraction Method	-	3540C	3540C	3540C	3540C	3540C	3540C	3540C
Arochlor 1232	mg/kg							
Arochlor 1242	mg/kg							
Arochlor 1248	mg/kg							
Arochlor 1254	mg/kg	0.152	0.21	0.0478	0.0364	0.0679	1.12	0.0931
Arochlor 1260	mg/kg	0.0529						
Total PCBs	mg/kg	0.2049	0.21	0.0478	0.0364	0.0679	1.12	0.0931
Date of PCBs SPLP Analysis	-							
Arochlor 1254 (SPLP)	mg/L							
Total PCBs (SPLP)	mg/L							

Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-SB-501	B220-SB-502	B220-SB-502	B220-SB-502	B220-SB-502	B220-SB-503	B220-SB-503
	Sample ID	1293134A	1293144	1293144A	1293145	1293145A	1293794	1293796
	Sample Date	11/22/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013	11/22/2013
	Sample Time	14:19	15:08	15:08	15:28	15:28	11:44	11:53
	Sample Depth	17-17.5'	12.5' - 15.0'	14.5'	15.0' - 17.5'	15-16'	7.5' - 9.5'	12.5' - 15.0'
	Sample Type	Concrete	Soil	Concrete	Soil	Concrete	Soil	Soil
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC26575-28B	MC26575-38A	MC26575-38B	MC26575-39A	MC26575-39B	MC26575-15A	MC26575-17A
Constituent	Units							
Date PCBs Analyzed	-	12/6/2013	12/3/2013	12/6/2013	12/3/2013	12/6/2013	12/2/2013	12/2/2013
Extraction Method	-	3540C	3540C	3540C	3540C	3540C	3540C	3540C
Arochlor 1232	mg/kg							
Arochlor 1242	mg/kg							
Arochlor 1248	mg/kg							
Arochlor 1254	mg/kg	0.129	0.193	0.119	0.387	0.189	0.156	0.0422
Arochlor 1260	mg/kg				0.0362		0.0397	0.0368
Total PCBs	mg/kg	0.129	0.193	0.119	0.4232	0.189	0.1957	0.079
Date of PCBs SPLP Analysis	-							
Arochlor 1254 (SPLP)	mg/L							
Total PCBs (SPLP)	mg/L							

Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-SB-503	B220-SB-503	B220-SB-503	B220-SB-503	B220-SB-504	B220-SB-504	B220-SB-504
	Sample ID	1293796A	1293797	1293125	1293125A	1293175	1277893	1293920
	Sample Date	11/22/2013	11/22/2013	11/22/2013	11/22/2013	11/27/2013	11/27/2013	11/27/2013
	Sample Time	11:53	12:08	12:10	12:10	8:40	9:00	9:50
	Sample Depth	14'	15.0' - 17.5'	17.5' - 20.0'	17.5-18.'	12.5' - 15.0'	20' - 21'	21'
	Sample Type	Concrete	Soil	Soil	Concrete	Soil	Soil	Concrete
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC26575-17B	MC26575-18A	MC26575-19A	MC26575-19B	MC26736-4	MC26736-8	MC26736-13
Constituent	Units							
Date PCBs Analyzed	-	12/6/2013	12/2/2013	12/3/2013	12/6/2013	12/3/2013	12/3/2013	12/3/2013
Extraction Method	-	3540C	3540C	3540C	3540C	3540C	3540C	3540C
Arochlor 1232	mg/kg							
Arochlor 1242	mg/kg							
Arochlor 1248	mg/kg							
Arochlor 1254	mg/kg	0.0394	0.0468	0.0551	0.054	0.0757	0.142	5.32
Arochlor 1260	mg/kg							0.371
Total PCBs	mg/kg	0.0394	0.0468	0.0551	0.054	0.0757	0.142	5.691
Date of PCBs SPLP Analysis	-							
Arochlor 1254 (SPLP)	mg/L							
Total PCBs (SPLP)	mg/L							

Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-SB-505	B220-SB-505	B220-SB-505	B220-SB-506	B220-SB-506	B220-SB-506	B220-SB-506
	Sample ID	1293859	1293860	1293861	1293162	1293165	1293166	1293167
	Sample Date	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013	11/26/2013
	Sample Time	9:27	9:27	9:48	14:07	14:23	14:53	14:57
	Sample Depth	12.5' - 15.0'	12.5' - 15'	15.0' - 17.5'	5.0' - 7.5'	12.5' - 15.0'	15.0' - 17.5'	17.5' - 20.0'
	Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC26687-7	MC26687-8	MC26687-9	MC26687-27	MC26687-30	MC26687-31	MC26687-32
Constituent	Units							
Date PCBs Analyzed	-	12/3/2013	12/3/2013	12/2/2013	12/3/2013	12/3/2013	12/3/2013	12/3/2013
Extraction Method	-	3540C	3540C	3540C	3540C	3540C	3540C	3540C
Arochlor 1232	mg/kg							
Arochlor 1242	mg/kg	0.331	0.533					
Arochlor 1248	mg/kg			1.73				
Arochlor 1254	mg/kg	0.608	0.578	2.11	0.0353	0.0891	0.949	0.239
Arochlor 1260	mg/kg	0.105	0.0949	0.187				
Total PCBs	mg/kg	1.044	1.2059	4.027	0.0353	0.0891	0.949	0.239
Date of PCBs SPLP Analysis	-							
Arochlor 1254 (SPLP)	mg/L							
Total PCBs (SPLP)	mg/L							

Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-SB-507	B220-SB-507	B220-SB-507	B220-SB-507	B220-SB-507	B220-SB-509	B220-SB-509
	Sample ID	1293767	1293769	1293771	1293772	1293773	1293866	1293872
	Sample Date	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/26/2013	11/26/2013
	Sample Time	13:20	13:31	13:40	13:56	13:59	11:23	12:02
	Sample Depth	5.0' - 7.5'	10.0' - 12.5'	15.0' - 17.5'	20' - 22.5'	22.5' - 25.6'	0.0' - 2.5'	15.0' - 17.5'
	Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC26508-18A	MC26508-20A	MC26508-22	MC26508-23	MC26508-24	MC26687-13	MC26687-19
Constituent	Units							
Date PCBs Analyzed	-	12/2/2013	12/2/2013	11/26/2013	11/26/2013	11/26/2013	12/2/2013	12/4/2013
Extraction Method	-	3540C	3540C	3540C	3540C	3540C	3540C	3540C
Arochlor 1232	mg/kg							
Arochlor 1242	mg/kg							
Arochlor 1248	mg/kg							
Arochlor 1254	mg/kg	0.0915	0.145	0.0525	0.105	0.0815	0.0568	4.84
Arochlor 1260	mg/kg							
Total PCBs	mg/kg	0.0915	0.145	0.0525	0.105	0.0815	0.0568	4.84
Date of PCBs SPLP Analysis	-							
Arochlor 1254 (SPLP)	mg/L							
Total PCBs (SPLP)	mg/L							

Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-SB-509	B220-SB-514	B220-SB-518	B220-SB-518	B220-SB-519	B220-SB-519	B220-SB-519
	Sample ID	1293158	1298879	1327996	1328001	1328008	1328010	1328011
	Sample Date	11/26/2013	2/3/2014	6/5/2014	6/5/2014	6/6/2014	6/6/2014	6/6/2014
	Sample Time	12:32	11:24	14:00	14:50	10:20	10:35	10:40
	Sample Depth	22.5' - 25.0'	0' - 2'	6' - 8'	14' - 16'	12' - 14'	16' - 18'	18' - 20'
	Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC26687-23	MC28077-26A	MC31125-4	MC31125-9	MC31151-38	MC31151-40	MC31151-41
Constituent	Units							
Date PCBs Analyzed	-	12/2/2013	2/10/2014	6/12/2014	6/12/2014	6/13/2014	6/13/2014	6/13/2014
Extraction Method	-	3540C	3540C	3540C	3540C	3540C	3540C	3540C
Arochlor 1232	mg/kg							
Arochlor 1242	mg/kg							
Arochlor 1248	mg/kg							
Arochlor 1254	mg/kg	0.0434	1.38	0.0924	0.21	0.377	0.0797	0.214
Arochlor 1260	mg/kg			0.182				
Total PCBs	mg/kg	0.0434	1.38	0.2744	0.21	0.377	0.0797	0.214
Date of PCBs SPLP Analysis	-							
Arochlor 1254 (SPLP)	mg/L							
Total PCBs (SPLP)	mg/L							

Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-SB-520	B220-SB-520	B220-SB-520	B220-SB-521	B220-SB-521	B220-SB-523	B220-SB-523
	Sample ID	1328017	1328020	1328022	1328026	1328029	1298866	1298867
	Sample Date	6/6/2014	6/6/2014	6/6/2014	6/6/2014	6/6/2014	2/3/2014	2/3/2014
	Sample Time	11:10	11:40	11:55	12:20	12:35	10:45	10:46
	Sample Depth	6' - 8'	12' - 14'	16' - 20'	6' - 8'	12' - 14'	0' - 2'	2' - 4'
	Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC31151-27	MC31151-30	MC31151-32	MC31151-16	MC31151-19	MC28077-14A	MC28077-15A
Constituent	Units							
Date PCBs Analyzed	-	6/13/2014	6/13/2014	6/13/2014	6/13/2014	6/13/2014	2/10/2014	2/10/2014
Extraction Method	-	3540C	3540C	3540C	3540C	3540C	3540C	3540C
Arochlor 1232	mg/kg							
Arochlor 1242	mg/kg							
Arochlor 1248	mg/kg							
Arochlor 1254	mg/kg	0.121	0.351	0.079	0.206	0.0519	0.0877	0.171
Arochlor 1260	mg/kg							
Total PCBs	mg/kg	0.121	0.351	0.079	0.206	0.0519	0.0877	0.171
Date of PCBs SPLP Analysis	-							
Arochlor 1254 (SPLP)	mg/L							
Total PCBs (SPLP)	mg/L							

Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-SB-524	B220-SB-524	B220-SB-525	B220-SB-526	B220-SB-527	B220-SB-528	B220-SB-528
	Sample ID	1298853	1298854	1354568	1354569	1354571	1359669	1359669
	Sample Date	2/3/2014	2/3/2014	2/24/2016	2/24/2016	2/24/2016	7/1/2016	7/1/2016
	Sample Time	9:42	9:45				14:30	14:30
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC28077-1A	MC28077-2A	MC44526-1	MC44526-2	MC44526-4	MC46720-49	MC46720-49T
Constituent	Units							
Date PCBs Analyzed	-	2/10/2014	2/10/2014	2/28/2016	2/28/2016	2/28/2016	7/6/2016	7/12/2016
Extraction Method	-	3540C	3540C	3540C	3540C	3540C	3540C	3546
Arochlor 1232	mg/kg							
Arochlor 1242	mg/kg							
Arochlor 1248	mg/kg							
Arochlor 1254	mg/kg	10.4	0.223	0.152	0.205	0.319	0.17	0.156
Arochlor 1260	mg/kg							
Total PCBs	mg/kg	10.4	0.223	0.152	0.205	0.319	0.17	0.156
Date of PCBs SPLP Analysis	-							
Arochlor 1254 (SPLP)	mg/L							
Total PCBs (SPLP)	mg/L							

Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-SB-529	B220-SB-529	B220-SB-530	B220-SB-530	B220-SB-531	B220-SB-531A	B220-SB-532
	Sample ID	1359675	1359675	1359690	1359691	1359694	1359699	1359693
	Sample Date	7/1/2016	7/1/2016	7/12/2016	7/12/2016	7/6/2016	7/13/2016	7/6/2016
	Sample Time	14:40	14:40	10:18	10:29	13:40	12:30	13:10
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	2' - 2.5'	0' - 2'	2' - 3'	0' - 2'
	Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC46720-52	MC46720-52T	MC46819-4	MC46819-5	MC46748-2	MC46840-1	MC46748-1
Constituent	Units							
Date PCBs Analyzed	-	7/7/2016	7/12/2016	7/15/2016	7/15/2016	7/7/2016	7/15/2016	7/7/2016
Extraction Method	-	3540C	3546	3540C	3540C	3540C	3540C	3540C
Arochlor 1232	mg/kg							
Arochlor 1242	mg/kg							
Arochlor 1248	mg/kg							
Arochlor 1254	mg/kg	1.88	2.8	0.565	0.483	0.0916	0.549	0.0695
Arochlor 1260	mg/kg							
Total PCBs	mg/kg	1.88	2.8	0.565	0.483	0.0916	0.549	0.0695
Date of PCBs SPLP Analysis	-							
Arochlor 1254 (SPLP)	mg/L							
Total PCBs (SPLP)	mg/L							

Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-SB-532A	B220-SB-533	B220-SB-533	B220-SB-533	B220-SB-533	B220-SB-534	B220-SB-534
	Sample ID	1359692	1359687	1359687	1359689	1359688	1359659	1359660
	Sample Date	7/12/2016	7/12/2016	7/12/2016	7/12/2016	7/12/2016	7/1/2016	7/1/2016
	Sample Time	10:45	9:35	9:35	9:35	9:58	13:40	13:45
	Sample Depth	2' - 3'	0' - 2'	0' - 2'	0' - 2'	2' - 3'	0' - 2'	2' - 4'
	Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC46819-6	MC46819-1	MC46819-1R	MC46819-2	MC46819-3	MC46720-39	MC46720-40
Constituent	Units							
Date PCBs Analyzed	-	7/15/2016	7/15/2016	7/20/2016	7/15/2016	7/15/2016	7/5/2016	7/5/2016
Extraction Method	-	3540C	3540C	3540C	3540C	3540C	3540C	3540C
Arochlor 1232	mg/kg							
Arochlor 1242	mg/kg							
Arochlor 1248	mg/kg							
Arochlor 1254	mg/kg	0.391	1.33	0.78	0.824	0.559	0.121	0.0423
Arochlor 1260	mg/kg							
Total PCBs	mg/kg	0.391	1.33	0.78	0.824	0.559	0.121	0.0423
Date of PCBs SPLP Analysis	-							
Arochlor 1254 (SPLP)	mg/L							
Total PCBs (SPLP)	mg/L							

Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-SB-534	B220-SB-534	B220-SB-534	B220-SB-534	B220-SB-534	B220-SB-534	B220-SB-534
	Sample ID	1359663	1359664	1359664	1359664	1359664	1359665	1359666
	Sample Date	7/1/2016	7/1/2016	7/1/2016	7/1/2016	7/1/2016	7/1/2016	7/1/2016
	Sample Time	13:55	14:00	14:00	14:00	14:00	14:05	14:08
	Sample Depth	6' - 8'	8' - 10'	8' - 10'	8' - 10'	8' - 10'	10' - 12'	12' - 16'
	Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC46720-43R	MC46720-44	MC46720-44T	MC46720-44V	MC46720-44VA	MC46720-45R	MC46720-46
Constituent	Units							
Date PCBs Analyzed	-	7/11/2016	7/6/2016	7/12/2016	7/20/2016	7/19/2016	7/11/2016	7/6/2016
Extraction Method	-	3540C	3540C	3546	3546	3540C	3540C	3540C
Arochlor 1232	mg/kg							
Arochlor 1242	mg/kg							
Arochlor 1248	mg/kg							
Arochlor 1254	mg/kg	0.0929	42.9	0.413	0.244	0.177	0.279	0.0691
Arochlor 1260	mg/kg							
Total PCBs	mg/kg	0.0929	42.9	0.413	0.244	0.177	0.279	0.0691
Date of PCBs SPLP Analysis	-							
Arochlor 1254 (SPLP)	mg/L							
Total PCBs (SPLP)	mg/L							

Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-SB-535	B220-SB-535	B220-SB-535	B220-SB-535	B220-SB-535	B220-SB-535	B220-SB-535
	Sample ID	1359651	1359651	1359652	1359652	1359653	1359655	1359657
	Sample Date	7/1/2016	7/1/2016	7/1/2016	7/1/2016	7/1/2016	7/1/2016	7/1/2016
	Sample Time	12:55	12:55	12:55	12:55	12:58	13:08	13:15
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	2' - 4'	6' - 8'	10' - 12'
	Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC46720-31	MC46720-31T	MC46720-32	MC46720-32T	MC46720-33	MC46720-35	MC46720-37
Constituent	Units							
Date PCBs Analyzed	-	7/7/2016	7/12/2016	7/5/2016	7/12/2016	7/5/2016	7/5/2016	7/5/2016
Extraction Method	-	3540C	3546	3540C	3546	3540C	3540C	3540C
Arochlor 1232	mg/kg							
Arochlor 1242	mg/kg						0.0424	
Arochlor 1248	mg/kg							
Arochlor 1254	mg/kg	0.816	0.477	0.588	0.453	0.126	0.0518	0.237
Arochlor 1260	mg/kg							
Total PCBs	mg/kg	0.816	0.477	0.588	0.453	0.126	0.0942	0.237
Date of PCBs SPLP Analysis	-							
Arochlor 1254 (SPLP)	mg/L							
Total PCBs (SPLP)	mg/L							

Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-SB-535	B220-SB-535	B220-SB-535	B220-SB-536	B220-SB-536	B220-SB-536	B220-SB-536
	Sample ID	1359657	1359658	1359658	1359635	1359635	1359638	1359641
	Sample Date	7/1/2016	7/1/2016	7/1/2016	7/1/2016	7/1/2016	7/1/2016	7/1/2016
	Sample Time	13:15	13:18	13:18	11:10	11:10	11:20	11:30
	Sample Depth	10' - 12'	12' - 16'	12' - 16'	8' - 10'	8' - 10'	14' - 16'	20' - 22'
	Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC46720-37T	MC46720-38	MC46720-38T	MC46720-15	MC46720-15T	MC46720-18	MC46720-21
Constituent	Units							
Date PCBs Analyzed	-	7/12/2016	7/6/2016	7/12/2016	7/7/2016	7/12/2016	7/7/2016	7/7/2016
Extraction Method	-	3546	3540C	3546	3540C	3546	3540C	3540C
Arochlor 1232	mg/kg							
Arochlor 1242	mg/kg							4.21
Arochlor 1248	mg/kg				0.0778	0.0734		3.99
Arochlor 1254	mg/kg	0.195	0.903	1.21	0.0812	0.0628	0.124	
Arochlor 1260	mg/kg							
Total PCBs	mg/kg	0.195	0.903	1.21	0.159	0.1362	0.124	8.2
Date of PCBs SPLP Analysis	-							
Arochlor 1254 (SPLP)	mg/L							
Total PCBs (SPLP)	mg/L							

Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-SB-536	B220-SB-536	B220-SB-536	B220-SB-537	B220-SB-537	B220-SB-538	B220-SB-538
	Sample ID	1359641	1359641	1359641	1359626	1359629	1359642	1359643
	Sample Date	7/1/2016	7/1/2016	7/1/2016	7/1/2016	7/1/2016	7/1/2016	7/1/2016
	Sample Time	11:30	11:30	11:30	10:10	10:23	11:40	11:45
	Sample Depth	20' - 22'	20' - 22'	20' - 22'	12' - 14'	18' - 20'	0' - 2'	2' - 4'
	Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC46720-21T	MC46720-21V	MC46720-21VA	MC46720-6	MC46720-9	MC46720-22	MC46720-23
Constituent	Units							
Date PCBs Analyzed	-	7/12/2016	7/20/2016	7/19/2016	7/7/2016	7/7/2016	7/7/2016	7/7/2016
Extraction Method	-	3546	3546	3540C	3540C	3540C	3540C	3540C
Arochlor 1232	mg/kg							
Arochlor 1242	mg/kg	0.361	0.266	0.329				
Arochlor 1248	mg/kg				0.0398			
Arochlor 1254	mg/kg	0.211	0.191	0.156		0.0944	0.106	0.0385
Arochlor 1260	mg/kg	0.0522	0.0504	0.0528				
Total PCBs	mg/kg	0.6242	0.5074	0.5378	0.0398	0.0944	0.106	0.0385
Date of PCBs SPLP Analysis	-							
Arochlor 1254 (SPLP)	mg/L							
Total PCBs (SPLP)	mg/L							

Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-SB-538	B220-SB-538	B220-SB-538	B220-SB-538	B220-SB-96	B220-SB-97	B220-SB-97
	Sample ID	1359645	1359647	1359649	1359650	1252194	1252039	1252040
	Sample Date	7/1/2016	7/1/2016	7/1/2016	7/1/2016	3/26/2012	3/15/2012	3/15/2012
	Sample Time	11:55	12:00	12:05	12:08	11:15	10:00	10:05
	Sample Depth	6' - 8'	10' - 12'	14' - 16'	16' - 18'	18' - 20.2'	0' - 2'	2' - 3.5'
	Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC46720-25	MC46720-27	MC46720-29R	MC46720-30	MC9051-11T	MC8775-2	MC8775-3R
Constituent	Units							
Date PCBs Analyzed	-	7/7/2016	7/7/2016	7/11/2016	7/7/2016	4/12/2012	3/19/2012	3/28/2012
Extraction Method	-	3540C	3540C	3540C	3540C	3546	3546	3546
Arochlor 1232	mg/kg							
Arochlor 1242	mg/kg							
Arochlor 1248	mg/kg				0.436			
Arochlor 1254	mg/kg	0.0485	0.1	0.189	0.195	0.283	0.22	1.33
Arochlor 1260	mg/kg							
Total PCBs	mg/kg	0.0485	0.1	0.189	0.631	0.283	0.22	1.33
Date of PCBs SPLP Analysis	-							
Arochlor 1254 (SPLP)	mg/L							
Total PCBs (SPLP)	mg/L							

Table 3-2A

SUMMARY OF SOIL AND CONCRETE PCB ANALYTICAL DETECTIONS

Pratt & Whitney Facility, Middletown, Connecticut

	Location ID	B220-SB-98	B220-SB-98					
	Sample ID	1255106	1255107					
	Sample Date	3/30/2012	3/30/2012					
	Sample Time	14:40	14:45					
	Sample Depth	12' - 14'	14' - 15'					
	Sample Type	Soil	Soil					
	Laboratory	ACTM	ACTM					
	Lab. Number	MC9207-20T	MC9207-21A					
Constituent	Units							
Date PCBs Analyzed	-	4/17/2012	4/4/2012					
Extraction Method	-							
Arochlor 1232	mg/kg							
Arochlor 1242	mg/kg							
Arochlor 1248	mg/kg							
Arochlor 1254	mg/kg	0.286	3.35					
Arochlor 1260	mg/kg							
Total PCBs	mg/kg	0.286	3.35					
Date of PCBs SPLP Analysis	-							
Arochlor 1254 (SPLP)	mg/L							
Total PCBs (SPLP)	mg/L							

Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
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	Location ID	B220-CS-030	B220-CS-031	B220-MW-05	B220-MW-05	B220-MW-05	B220-MW-05	B220-MW-05
	Sample ID	1356324	1356325	1258619	1258620	1258621	1258623	1258624
	Sample Date	04/13/2016	04/13/2016	05/11/2012	05/11/2012	05/11/2012	05/11/2012	05/11/2012
	Sample Time	14:30	14:40	10:18	10:24	10:26	10:37	11:50
	Sample Depth	0-2'	0-2'	2.5' - 5.0'	5' - 7.5'	7.5' - 10.0'	12.5' - 15.0'	25' - 27.5'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC45362-1	MC45362-2	MC10508-3A	MC10508-4A	MC10508-5A	MC10508-7A	MC10508-8A
Constituent	Units							
Date Organics Analyzed	-			05/21/2012			05/18/2012	05/19/2012
Date of Other SPLP Analysis	-							
Date Physical Analyzed	-		04/19/2016	05/16/2012		05/16/2012	05/16/2012	
Date Semivolatile Organics Analyzed	-	04/19/2016	04/19/2016	05/17/2012	05/17/2012	05/17/2012	05/17/2012	
Date of Semivolatile SPLP Analysis	-							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg		1010	32.6		118	98.5	
Total Petroleum Hydrocarbons (CT ETPH) (SPLP)	mg/L							
Benzo[a]anthracene	ug/kg		779	538		489	2750	
Benzo[a]anthracene (SPLP)	ug/L							
Benzo[b]fluoranthene	ug/kg		753	574		551	2860	
Benzo[b]fluoranthene (SPLP)	ug/L							
Benzo(a)pyrene	ug/kg		825	432		398	2240	
Benzo(a)pyrene (SPLP)	ug/L							
Benzo(g,h,i)perylene	ug/kg		552				918	
Benzo(k)fluoranthene	ug/kg		690				837	
Carbazole	ug/kg							
Carbazole (SPLP)	ug/L							
Chrysene	ug/kg		748	453		366	1850	
Chrysene (SPLP)	ug/L							
Dibenz(a,h)anthracene	ug/kg		186				408	
Fluoranthene	ug/kg	134	1140	932	488	823	4970	
Fluoranthene (SPLP)	ug/L							
Fluorene	ug/kg							
Fluorene (SPLP)	ug/L							
Indeno(1,2,3-c,d)pyrene	ug/kg		470				909	
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Naphthalene (SPLP)	ug/L							

Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
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	Location ID	B220-CS-030	B220-CS-031	B220-MW-05	B220-MW-05	B220-MW-05	B220-MW-05	B220-MW-05
	Sample ID	1356324	1356325	1258619	1258620	1258621	1258623	1258624
	Sample Date	04/13/2016	04/13/2016	05/11/2012	05/11/2012	05/11/2012	05/11/2012	05/11/2012
	Sample Time	14:30	14:40	10:18	10:24	10:26	10:37	11:50
	Sample Depth	0-2'	0-2'	2.5' - 5.0'	5' - 7.5'	7.5' - 10.0'	12.5' - 15.0'	25' - 27.5'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC45362-1	MC45362-2	MC10508-3A	MC10508-4A	MC10508-5A	MC10508-7A	MC10508-8A
Constituent	Units							
Phenanthrene	ug/kg		258	358		315	2140	
Phenanthrene (SPLP)	ug/L							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	114	1200	814	379	704	4390	
Pyrene (SPLP)	ug/L							
bis(2-Ethylhexyl)phthalate	ug/kg							
Acenaphthene	ug/kg							
Acenaphthene (SPLP)	ug/L							
Acetone	ug/kg			71.1			55.9	7.0
Anthracene	ug/kg						662	
Anthracene (SPLP)	ug/L							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Carbon Disulfide	ug/kg							
Dibenzofuran	ug/kg							
Dibenzofuran (SPLP)	ug/L							
Tetrachloroethylene	ug/kg							
Methylene Chloride	ug/kg							
2-Methylnaphthalene	ug/kg							
2-Methylnaphthalene (SPLP)	ug/L							
Trichloroethylene	ug/kg							
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Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
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	Location ID	B220-SB-100	B220-SB-100	B220-SB-100	B220-SB-100	B220-SB-100	B220-SB-100	B220-SB-101
	Sample ID	1255079	1255081	1255082	1255083	1255083	1255084	1251966
	Sample Date	03/29/2012	03/29/2012	03/29/2012	03/29/2012	03/29/2012	03/29/2012	03/13/2012
	Sample Time	14:55	15:05	15:10	15:15	15:15	15:20	12:10
	Sample Depth	10' - 12'	14' - 16'	16' - 18'	18' - 20'	18' - 20'	20' - 22'	0' - 2'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC9170-19	MC9170-21R	MC9170-22R	MC9170-23	MC9170-23R	MC9170-24	MC8700-22
Constituent	Units							
Date Organics Analyzed	-	04/01/2012		04/11/2012	04/02/2012		04/01/2012	03/16/2012
Date of Other SPLP Analysis	-					04/13/2012		
Date Physical Analyzed	-	04/03/2012	04/11/2012	04/11/2012	04/04/2012		04/03/2012	03/17/2012
Date Semivolatile Organics Analyzed	-	04/02/2012	04/11/2012	04/12/2012	04/03/2012			
Date of Semivolatile SPLP Analysis	-							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	97.1	21.9	420	3070		78.2	36.8
Total Petroleum Hydrocarbons (CT ETPH) (SPLP)	mg/L					1.19		
Benzo[a]anthracene	ug/kg	740		7940	82900			
Benzo[a]anthracene (SPLP)	ug/L							
Benzo[b]fluoranthene	ug/kg	685		8630	78700			
Benzo[b]fluoranthene (SPLP)	ug/L							
Benzo(a)pyrene	ug/kg	548		6910	57900			
Benzo(a)pyrene (SPLP)	ug/L							
Benzo(g,h,i)perylene	ug/kg	321		3680	34400			
Benzo(k)fluoranthene	ug/kg	274		3880	22700			
Carbazole	ug/kg			1840	21300			
Carbazole (SPLP)	ug/L							
Chrysene	ug/kg	539		7230	65200			
Chrysene (SPLP)	ug/L							
Dibenz(a,h)anthracene	ug/kg			1960	17600			
Fluoranthene	ug/kg	1340	376	18400	153000			
Fluoranthene (SPLP)	ug/L							
Fluorene	ug/kg			889	12600			
Fluorene (SPLP)	ug/L							
Indeno(1,2,3-c,d)pyrene	ug/kg	302		4330	33300			
Naphthalene	ug/kg	9.7		154	4000		10.2	
Naphthalene	ug/kg				5050			
Naphthalene (SPLP)	ug/L							

Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
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	Location ID	B220-SB-100	B220-SB-100	B220-SB-100	B220-SB-100	B220-SB-100	B220-SB-100	B220-SB-101
	Sample ID	1255079	1255081	1255082	1255083	1255083	1255084	1251966
	Sample Date	03/29/2012	03/29/2012	03/29/2012	03/29/2012	03/29/2012	03/29/2012	03/13/2012
	Sample Time	14:55	15:05	15:10	15:15	15:15	15:20	12:10
	Sample Depth	10' - 12'	14' - 16'	16' - 18'	18' - 20'	18' - 20'	20' - 22'	0' - 2'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC9170-19	MC9170-21R	MC9170-22R	MC9170-23	MC9170-23R	MC9170-24	MC8700-22
Constituent	Units							
Phenanthrene	ug/kg	734		11300	138000			
Phenanthrene (SPLP)	ug/L							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	1100	338	13900	195000			
Pyrene (SPLP)	ug/L							
bis(2-Ethylhexyl)phthalate	ug/kg							
Acenaphthene	ug/kg			959	13100			
Acenaphthene (SPLP)	ug/L							
Acetone	ug/kg	11.3					53.6	14.4
Anthracene	ug/kg			2950	34200			
Anthracene (SPLP)	ug/L							
1,2,3-Trichlorobenzene	ug/kg				1230		60.1	
1,2,4-Trichlorobenzene	ug/kg				4860		171	
1,2,4-Trichlorobenzene	ug/kg				2710			
2-Butanone (MEK)	ug/kg							
Carbon Disulfide	ug/kg							
Dibenzofuran	ug/kg			717	9280			
Dibenzofuran (SPLP)	ug/L							
Tetrachloroethylene	ug/kg							1.4
Methylene Chloride	ug/kg							
2-Methylnaphthalene	ug/kg							
2-Methylnaphthalene (SPLP)	ug/L							
Trichloroethylene	ug/kg							
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Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
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	Location ID	B220-SB-101	B220-SB-161	B220-SB-161	B220-SB-163	B220-SB-165	B220-SB-176	B220-SB-176
	Sample ID	1251983	1251812	1251815	1251818	1251841	1252008	1252044
	Sample Date	03/13/2012	03/06/2012	03/06/2012	03/06/2012	03/06/2012	03/14/2012	03/15/2012
	Sample Time	12:20	09:35	09:35	10:05	15:20	11:35	12:00
	Sample Depth	2' - 4'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC8700-23R	MC8458-2	MC8458-3	MC8458-6	MC8458-28	MC8745-25	MC8775-7
Constituent	Units							
Date Organics Analyzed	-	03/26/2012	03/09/2012					
Date of Other SPLP Analysis	-							
Date Physical Analyzed	-		03/10/2012	03/10/2012	03/10/2012	03/10/2012	03/17/2012	03/21/2012
Date Semivolatile Organics Analyzed	-						03/21/2012	03/21/2012
Date of Semivolatile SPLP Analysis	-							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg		172	368	1030	862	157	27.6
Total Petroleum Hydrocarbons (CT ETPH) (SPLP)	mg/L							
Benzo[a]anthracene	ug/kg						569	907
Benzo[a]anthracene (SPLP)	ug/L							
Benzo[b]fluoranthene	ug/kg						630	930
Benzo[b]fluoranthene (SPLP)	ug/L							
Benzo(a)pyrene	ug/kg						486	706
Benzo(a)pyrene (SPLP)	ug/L							
Benzo(g,h,i)perylene	ug/kg						353	488
Benzo(k)fluoranthene	ug/kg							335
Carbazole	ug/kg							
Carbazole (SPLP)	ug/L							
Chrysene	ug/kg						480	718
Chrysene (SPLP)	ug/L							
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg						955	1690
Fluoranthene (SPLP)	ug/L							
Fluorene	ug/kg							
Fluorene (SPLP)	ug/L							
Indeno(1,2,3-c,d)pyrene	ug/kg						312	444
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Naphthalene (SPLP)	ug/L							

Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
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	Location ID	B220-SB-101	B220-SB-161	B220-SB-161	B220-SB-163	B220-SB-165	B220-SB-176	B220-SB-176
	Sample ID	1251983	1251812	1251815	1251818	1251841	1252008	1252044
	Sample Date	03/13/2012	03/06/2012	03/06/2012	03/06/2012	03/06/2012	03/14/2012	03/15/2012
	Sample Time	12:20	09:35	09:35	10:05	15:20	11:35	12:00
	Sample Depth	2' - 4'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC8700-23R	MC8458-2	MC8458-3	MC8458-6	MC8458-28	MC8745-25	MC8775-7
Constituent	Units							
Phenanthrene	ug/kg						444	1120
Phenanthrene (SPLP)	ug/L							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg						874	1310
Pyrene (SPLP)	ug/L							
bis(2-Ethylhexyl)phthalate	ug/kg							
Acenaphthene	ug/kg							
Acenaphthene (SPLP)	ug/L							
Acetone	ug/kg	20.4						
Anthracene	ug/kg							279
Anthracene (SPLP)	ug/L							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Carbon Disulfide	ug/kg							
Dibenzofuran	ug/kg							
Dibenzofuran (SPLP)	ug/L							
Tetrachloroethylene	ug/kg	2.1	2.0					
Methylene Chloride	ug/kg							
2-Methylnaphthalene	ug/kg							
2-Methylnaphthalene (SPLP)	ug/L							
Trichloroethylene	ug/kg							
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Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
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	Location ID	B220-SB-176	B220-SB-177	B220-SB-177	B220-SB-178	B220-SB-178	B220-SB-178A	B220-SB-178A
	Sample ID	1252045	1252010	1252011	1252013	1252014	1259438	1259488
	Sample Date	03/15/2012	03/14/2012	03/14/2012	03/14/2012	03/14/2012	06/20/2012	06/20/2012
	Sample Time	12:00	12:03	12:10	14:25	14:28	12:50	12:50
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	2' - 4'	4' - 6'	12' - 14'	12' - 14'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC8775-8	MC8745-27	MC8745-28R	MC8745-30	MC8745-31R	MC11626-3	MC11626-2
Constituent	Units							
Date Organics Analyzed	-		03/20/2012					06/23/2012
Date of Other SPLP Analysis	-							
Date Physical Analyzed	-	03/21/2012	03/17/2012	03/30/2012	03/17/2012		06/22/2012	06/22/2012
Date Semivolatile Organics Analyzed	-	03/21/2012	03/21/2012	03/29/2012	03/21/2012	03/29/2012	06/25/2012	06/25/2012
Date of Semivolatile SPLP Analysis	-							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	26.9	1180	26.3	31.7		50.8	45.4
Total Petroleum Hydrocarbons (CT ETPH) (SPLP)	mg/L							
Benzo[a]anthracene	ug/kg		735		1260		466	1070
Benzo[a]anthracene (SPLP)	ug/L							
Benzo[b]fluoranthene	ug/kg	322	765		1160		599	1090
Benzo[b]fluoranthene (SPLP)	ug/L							
Benzo(a)pyrene	ug/kg		596		893		472	949
Benzo(a)pyrene (SPLP)	ug/L							
Benzo(g,h,i)perylene	ug/kg		400		566		299	593
Benzo(k)fluoranthene	ug/kg		295		434		177	459
Carbazole	ug/kg							
Carbazole (SPLP)	ug/L							
Chrysene	ug/kg		577		973		404	870
Chrysene (SPLP)	ug/L							
Dibenz(a,h)anthracene	ug/kg							141
Fluoranthene	ug/kg	397	1110	472	2070	353	829	2410
Fluoranthene (SPLP)	ug/L							
Fluorene	ug/kg							
Fluorene (SPLP)	ug/L							
Indeno(1,2,3-c,d)pyrene	ug/kg		363		511		234	463
Naphthalene	ug/kg							10.9
Naphthalene	ug/kg							
Naphthalene (SPLP)	ug/L							

Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
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	Location ID	B220-SB-176	B220-SB-177	B220-SB-177	B220-SB-178	B220-SB-178	B220-SB-178A	B220-SB-178A
	Sample ID	1252045	1252010	1252011	1252013	1252014	1259438	1259488
	Sample Date	03/15/2012	03/14/2012	03/14/2012	03/14/2012	03/14/2012	06/20/2012	06/20/2012
	Sample Time	12:00	12:03	12:10	14:25	14:28	12:50	12:50
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	2' - 4'	4' - 6'	12' - 14'	12' - 14'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC8775-8	MC8745-27	MC8745-28R	MC8745-30	MC8745-31R	MC11626-3	MC11626-2
Constituent	Units							
Phenanthrene	ug/kg		463	313	892		310	967
Phenanthrene (SPLP)	ug/L							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	354	950	386	1790	306	741	1910
Pyrene (SPLP)	ug/L							
bis(2-Ethylhexyl)phthalate	ug/kg							
Acenaphthene	ug/kg							
Acenaphthene (SPLP)	ug/L							
Acetone	ug/kg							51.5
Anthracene	ug/kg				273			314
Anthracene (SPLP)	ug/L							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Carbon Disulfide	ug/kg							5.4
Dibenzofuran	ug/kg							
Dibenzofuran (SPLP)	ug/L							
Tetrachloroethylene	ug/kg		2.1					
Methylene Chloride	ug/kg							
2-Methylnaphthalene	ug/kg							
2-Methylnaphthalene (SPLP)	ug/L							
Trichloroethylene	ug/kg							
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Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
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	Location ID	B220-SB-178B	B220-SB-178B	B220-SB-179	B220-SB-179	B220-SB-179	B220-SB-179	B220-SB-179A
	Sample ID	1262346	1262347	1252016	1252017	1255246	1255247	1256790
	Sample Date	07/26/2012	07/26/2012	03/14/2012	03/14/2012	04/05/2012	04/05/2012	04/16/2012
	Sample Time	10:15	10:15	15:33	15:40	12:00	12:20	10:30
	Sample Depth	14' - 17'	14' - 17'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	12' - 14'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC12585-4	MC12585-5	MC8745-33	MC8745-34	MC9362-19	MC9362-20	MC9658-3
Constituent	Units							
Date Organics Analyzed	-	08/01/2012	08/01/2012	03/20/2012	03/20/2012	04/12/2012	04/12/2012	04/20/2012
Date of Other SPLP Analysis	-							
Date Physical Analyzed	-	07/31/2012	07/31/2012	03/17/2012	03/18/2012	04/11/2012	04/11/2012	04/20/2012
Date Semivolatile Organics Analyzed	-	07/31/2012	07/31/2012	03/21/2012	03/21/2012	04/11/2012	04/11/2012	04/20/2012
Date of Semivolatile SPLP Analysis	-							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	1560	773	29.1	45.6	47.3	95.5	49.0
Total Petroleum Hydrocarbons (CT ETPH) (SPLP)	mg/L							
Benzo[a]anthracene	ug/kg	26500	27200	4810	571	1500	3330	473
Benzo[a]anthracene (SPLP)	ug/L							
Benzo[b]fluoranthene	ug/kg	19500	20000	3530	481	1390	3500	441
Benzo[b]fluoranthene (SPLP)	ug/L							
Benzo(a)pyrene	ug/kg	15400	16300	3720	414	1150	2670	365
Benzo(a)pyrene (SPLP)	ug/L							
Benzo(g,h,i)perylene	ug/kg	9700	10200	1180	358	466	1050	
Benzo(k)fluoranthene	ug/kg	6710	7910	1840	343	528	1020	
Carbazole	ug/kg	8080	7610	317		346	954	
Carbazole (SPLP)	ug/L							
Chrysene	ug/kg	22400	23000	4280	547	1090	2680	376
Chrysene (SPLP)	ug/L							
Dibenz(a,h)anthracene	ug/kg	2720	3030	593			511	
Fluoranthene	ug/kg	57800	51500	9520	1100	3210	6770	924
Fluoranthene (SPLP)	ug/L							
Fluorene	ug/kg	5080	4310	1070			633	
Fluorene (SPLP)	ug/L							
Indeno(1,2,3-c,d)pyrene	ug/kg	8830	9520		322	410	898	
Naphthalene	ug/kg	2660	3820				50.2	9.4
Naphthalene	ug/kg	3170	1920					
Naphthalene (SPLP)	ug/L							

Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory

	Location ID	B220-SB-178B	B220-SB-178B	B220-SB-179	B220-SB-179	B220-SB-179	B220-SB-179	B220-SB-179A
	Sample ID	1262346	1262347	1252016	1252017	1255246	1255247	1256790
	Sample Date	07/26/2012	07/26/2012	03/14/2012	03/14/2012	04/05/2012	04/05/2012	04/16/2012
	Sample Time	10:15	10:15	15:33	15:40	12:00	12:20	10:30
	Sample Depth	14' - 17'	14' - 17'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	12' - 14'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC12585-4	MC12585-5	MC8745-33	MC8745-34	MC9362-19	MC9362-20	MC9658-3
Constituent	Units							
Phenanthrene	ug/kg	39300	37600	11700	529	1640	4720	425
Phenanthrene (SPLP)	ug/L							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	40000	40300	7530	1060	2500	5330	823
Pyrene (SPLP)	ug/L							
bis(2-Ethylhexyl)phthalate	ug/kg							
Acenaphthene	ug/kg	5120	3800	663		373	706	
Acenaphthene (SPLP)	ug/L							
Acetone	ug/kg			20.0	10.1	22.4	40.0	15.5
Anthracene	ug/kg	11900	11500	4060		653	1350	
Anthracene (SPLP)	ug/L							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Carbon Disulfide	ug/kg							
Dibenzofuran	ug/kg	3770	2900				374	
Dibenzofuran (SPLP)	ug/L							
Tetrachloroethylene	ug/kg							
Methylene Chloride	ug/kg							
2-Methylnaphthalene	ug/kg	1200	787					
2-Methylnaphthalene (SPLP)	ug/L							
Trichloroethylene	ug/kg							
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Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
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	Location ID	B220-SB-256	B220-SB-256	B220-SB-257	B220-SB-257	B220-SB-258	B220-SB-259	B220-SB-259
	Sample ID	1255249	1255250	1255254	1255255	1255242	1255232	1255233
	Sample Date	04/05/2012	04/05/2012	04/05/2012	04/05/2012	04/05/2012	04/05/2012	04/05/2012
	Sample Time	14:05	14:10	14:45	14:50	11:00	10:30	10:35
	Sample Depth	2' - 4'	4' - 6'	2' - 4'	4' - 6'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC9362-22	MC9362-23	MC9362-27	MC9362-28	MC9362-15	MC9362-10	MC9362-11
Constituent	Units							
Date Organics Analyzed	-	04/12/2012	04/12/2012	04/12/2012	04/12/2012	04/12/2012		04/12/2012
Date of Other SPLP Analysis	-							
Date Physical Analyzed	-			04/11/2012		04/11/2012	04/11/2012	
Date Semivolatile Organics Analyzed	-	04/10/2012	04/10/2012	04/10/2012		04/11/2012	04/10/2012	
Date of Semivolatile SPLP Analysis	-							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg			104		69.3	21.7	
Total Petroleum Hydrocarbons (CT ETPH) (SPLP)	mg/L							
Benzo[a]anthracene	ug/kg		303			1260	548	
Benzo[a]anthracene (SPLP)	ug/L							
Benzo[b]fluoranthene	ug/kg		349	359		1290	685	
Benzo[b]fluoranthene (SPLP)	ug/L							
Benzo(a)pyrene	ug/kg					982	510	
Benzo(a)pyrene (SPLP)	ug/L							
Benzo(g,h,i)perylene	ug/kg					439	308	
Benzo(k)fluoranthene	ug/kg					423		
Carbazole	ug/kg							
Carbazole (SPLP)	ug/L							
Chrysene	ug/kg		288			1070	530	
Chrysene (SPLP)	ug/L							
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg	402	664	482		2220	1190	
Fluoranthene (SPLP)	ug/L							
Fluorene	ug/kg							
Fluorene (SPLP)	ug/L							
Indeno(1,2,3-c,d)pyrene	ug/kg					363		
Naphthalene	ug/kg			238				
Naphthalene	ug/kg							
Naphthalene (SPLP)	ug/L							

Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory

	Location ID	B220-SB-256	B220-SB-256	B220-SB-257	B220-SB-257	B220-SB-258	B220-SB-259	B220-SB-259
	Sample ID	1255249	1255250	1255254	1255255	1255242	1255232	1255233
	Sample Date	04/05/2012	04/05/2012	04/05/2012	04/05/2012	04/05/2012	04/05/2012	04/05/2012
	Sample Time	14:05	14:10	14:45	14:50	11:00	10:30	10:35
	Sample Depth	2' - 4'	4' - 6'	2' - 4'	4' - 6'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC9362-22	MC9362-23	MC9362-27	MC9362-28	MC9362-15	MC9362-10	MC9362-11
Constituent	Units							
Phenanthrene	ug/kg		292			1020	520	
Phenanthrene (SPLP)	ug/L							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	282	462	356		1950	811	
Pyrene (SPLP)	ug/L							
bis(2-Ethylhexyl)phthalate	ug/kg							
Acenaphthene	ug/kg							
Acenaphthene (SPLP)	ug/L							
Acetone	ug/kg	19.1	20.4		12.9			9.5
Anthracene	ug/kg					266		
Anthracene (SPLP)	ug/L							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Carbon Disulfide	ug/kg							
Dibenzofuran	ug/kg							
Dibenzofuran (SPLP)	ug/L							
Tetrachloroethylene	ug/kg					3.3		3.4
Methylene Chloride	ug/kg							
2-Methylnaphthalene	ug/kg							
2-Methylnaphthalene (SPLP)	ug/L							
Trichloroethylene	ug/kg							
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Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory

	Location ID	B220-SB-260	B220-SB-301	B220-SB-301	B220-SB-302	B220-SB-302	B220-SB-302	B220-SB-302
	Sample ID	1255228	1257924	1257926	1257914	1257916	1257919	1257920
	Sample Date	04/05/2012	04/18/2012	04/18/2012	04/18/2012	04/18/2012	04/18/2012	04/18/2012
	Sample Time	09:50	11:05	11:15	10:05	10:15	10:30	10:35
	Sample Depth	0' - 2'	2' - 4'	6' - 8'	2' - 4'	6' - 8'	12' - 14'	14' - 16'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC9362-6	MC9761-13R	MC9761-15	MC9761-3R	MC9761-5	MC9761-8	MC9761-9
Constituent	Units							
Date Organics Analyzed	-	04/12/2012		04/27/2012	05/02/2012	04/27/2012	04/27/2012	04/27/2012
Date of Other SPLP Analysis	-							
Date Physical Analyzed	-				05/04/2012	04/23/2012	04/23/2012	04/23/2012
Date Semivolatile Organics Analyzed	-		05/03/2012	04/25/2012		04/24/2012	04/27/2012	04/25/2012
Date of Semivolatile SPLP Analysis	-							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg				83.3	230	27.5	116
Total Petroleum Hydrocarbons (CT ETPH) (SPLP)	mg/L							
Benzo[a]anthracene	ug/kg		331	4140		4580	858	2480
Benzo[a]anthracene (SPLP)	ug/L							
Benzo[b]fluoranthene	ug/kg		329	3940		4830	737	2380
Benzo[b]fluoranthene (SPLP)	ug/L							
Benzo(a)pyrene	ug/kg			3240		3610	522	1830
Benzo(a)pyrene (SPLP)	ug/L							
Benzo(g,h,i)perylene	ug/kg			1950		2180	400	
Benzo(k)fluoranthene	ug/kg			1620		1320		
Carbazole	ug/kg			657		862		
Carbazole (SPLP)	ug/L							
Chrysene	ug/kg			3420		3840	734	1940
Chrysene (SPLP)	ug/L							
Dibenz(a,h)anthracene	ug/kg			950		1070		
Fluoranthene	ug/kg		570	8340		9170	1670	5360
Fluoranthene (SPLP)	ug/L							
Fluorene	ug/kg			429		493		
Fluorene (SPLP)	ug/L							
Indeno(1,2,3-c,d)pyrene	ug/kg			1700		1990	317	
Naphthalene	ug/kg					24.8	20.5	30.8
Naphthalene	ug/kg							
Naphthalene (SPLP)	ug/L							

Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
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	Location ID	B220-SB-260	B220-SB-301	B220-SB-301	B220-SB-302	B220-SB-302	B220-SB-302	B220-SB-302
	Sample ID	1255228	1257924	1257926	1257914	1257916	1257919	1257920
	Sample Date	04/05/2012	04/18/2012	04/18/2012	04/18/2012	04/18/2012	04/18/2012	04/18/2012
	Sample Time	09:50	11:05	11:15	10:05	10:15	10:30	10:35
	Sample Depth	0' - 2'	2' - 4'	6' - 8'	2' - 4'	6' - 8'	12' - 14'	14' - 16'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC9362-6	MC9761-13R	MC9761-15	MC9761-3R	MC9761-5	MC9761-8	MC9761-9
Constituent	Units							
Phenanthrene	ug/kg			4080		5320	1600	3900
Phenanthrene (SPLP)	ug/L							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg		475	6730		7400	1560	4140
Pyrene (SPLP)	ug/L							
bis(2-Ethylhexyl)phthalate	ug/kg							
Acenaphthene	ug/kg			533		684		
Acenaphthene (SPLP)	ug/L							
Acetone	ug/kg	9.6 B		34.0	14.1	24.1	48.9	16.9
Anthracene	ug/kg			1470		1680	406	
Anthracene (SPLP)	ug/L							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Carbon Disulfide	ug/kg							
Dibenzofuran	ug/kg							
Dibenzofuran (SPLP)	ug/L							
Tetrachloroethylene	ug/kg					2.2		
Methylene Chloride	ug/kg							
2-Methylnaphthalene	ug/kg							
2-Methylnaphthalene (SPLP)	ug/L							
Trichloroethylene	ug/kg							
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Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
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	Location ID	B220-SB-302A	B220-SB-302A	B220-SB-380	B220-SB-380	B220-SB-380	B220-SB-380	B220-SB-380
	Sample ID	1261122	1261123	1258664	1258665	1258667	1258668	1258669
	Sample Date	07/11/2012	07/11/2012	05/11/2012	05/11/2012	05/11/2012	05/11/2012	05/11/2012
	Sample Time	12:19	12:19	15:00	15:05	15:15	15:20	15:25
	Sample Depth	2' - 4'	2' - 4'	0' - 2'	2' - 4'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC12176-17	MC12176-18	MC10508-16R	MC10508-17A	MC10508-19	MC10508-20T	MC10508-21
Constituent	Units							
Date Organics Analyzed	-			05/25/2012	05/21/2012	05/17/2012	05/25/2012	05/17/2012
Date of Other SPLP Analysis	-							
Date Physical Analyzed	-			05/25/2012				
Date Semivolatile Organics Analyzed	-	07/17/2012	07/17/2012	05/25/2012				
Date of Semivolatile SPLP Analysis	-							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg			76.2				
Total Petroleum Hydrocarbons (CT ETPH) (SPLP)	mg/L							
Benzo[a]anthracene	ug/kg	431	652	857				
Benzo[a]anthracene (SPLP)	ug/L							
Benzo[b]fluoranthene	ug/kg	546	819	965				
Benzo[b]fluoranthene (SPLP)	ug/L							
Benzo(a)pyrene	ug/kg	417	630	670				
Benzo(a)pyrene (SPLP)	ug/L							
Benzo(g,h,i)perylene	ug/kg	274	395	437				
Benzo(k)fluoranthene	ug/kg	202	304	308				
Carbazole	ug/kg							
Carbazole (SPLP)	ug/L							
Chrysene	ug/kg	354	535	574				
Chrysene (SPLP)	ug/L							
Dibenz(a,h)anthracene	ug/kg		110					
Fluoranthene	ug/kg	761	1100	1650				
Fluoranthene (SPLP)	ug/L							
Fluorene	ug/kg							
Fluorene (SPLP)	ug/L							
Indeno(1,2,3-c,d)pyrene	ug/kg	243	349	355				
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Naphthalene (SPLP)	ug/L							

Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory

	Location ID	B220-SB-302A	B220-SB-302A	B220-SB-380	B220-SB-380	B220-SB-380	B220-SB-380	B220-SB-380
	Sample ID	1261122	1261123	1258664	1258665	1258667	1258668	1258669
	Sample Date	07/11/2012	07/11/2012	05/11/2012	05/11/2012	05/11/2012	05/11/2012	05/11/2012
	Sample Time	12:19	12:19	15:00	15:05	15:15	15:20	15:25
	Sample Depth	2' - 4'	2' - 4'	0' - 2'	2' - 4'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC12176-17	MC12176-18	MC10508-16R	MC10508-17A	MC10508-19	MC10508-20T	MC10508-21
Constituent	Units							
Phenanthrene	ug/kg	244	516	1280				
Phenanthrene (SPLP)	ug/L							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	676	938	1540				
Pyrene (SPLP)	ug/L							
bis(2-Ethylhexyl)phthalate	ug/kg							
Acenaphthene	ug/kg							
Acenaphthene (SPLP)	ug/L							
Acetone	ug/kg							
Anthracene	ug/kg		151	491				
Anthracene (SPLP)	ug/L							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Carbon Disulfide	ug/kg							
Dibenzofuran	ug/kg							
Dibenzofuran (SPLP)	ug/L							
Tetrachloroethylene	ug/kg				2.9	11.2	12.2	523
Methylene Chloride	ug/kg			3.2				
2-Methylnaphthalene	ug/kg							
2-Methylnaphthalene (SPLP)	ug/L							
Trichloroethylene	ug/kg					3.6		
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Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory

	Location ID	B220-SB-381	B220-SB-381	B220-SB-381	B220-SB-382	B220-SB-382	B220-SB-382	B220-SB-382
	Sample ID	1259324	1259327	1259337	1259300	1259302	1259307	1259309
	Sample Date	06/05/2012	06/05/2012	06/05/2012	06/05/2012	06/05/2012	06/05/2012	06/05/2012
	Sample Time	14:45	15:00	15:10	10:00	10:10	10:30	10:40
	Sample Depth	0' - 2'	6' - 8'	16' - 20'	0' - 2'	4' - 8'	14' - 16'	18' - 20'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC11159-33	MC11159-36	MC11159-38	MC11159-4	MC11159-6	MC11159-10	MC11159-12
Constituent	Units							
Date Organics Analyzed	-	06/12/2012	06/12/2012	06/12/2012	06/11/2012		06/11/2012	06/11/2012
Date of Other SPLP Analysis	-							
Date Physical Analyzed	-	06/08/2012	06/08/2012	06/08/2012	06/08/2012			
Date Semivolatile Organics Analyzed	-	06/08/2012	06/08/2012	06/08/2012	06/07/2012	06/07/2012		
Date of Semivolatile SPLP Analysis	-							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	19.3	37.4	86.4	106			
Total Petroleum Hydrocarbons (CT ETPH) (SPLP)	mg/L							
Benzo[a]anthracene	ug/kg	197	519	712	519	298		
Benzo[a]anthracene (SPLP)	ug/L							
Benzo[b]fluoranthene	ug/kg	233	557	691	601	315		
Benzo[b]fluoranthene (SPLP)	ug/L							
Benzo(a)pyrene	ug/kg	166	443	544	430	237		
Benzo(a)pyrene (SPLP)	ug/L							
Benzo(g,h,i)perylene	ug/kg	127	323	358	277	157		
Benzo(k)fluoranthene	ug/kg		208	260	165	116		
Carbazole	ug/kg			119				
Carbazole (SPLP)	ug/L							
Chrysene	ug/kg	157	422	574	442	246		
Chrysene (SPLP)	ug/L							
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg	359	867	1410	1000	578		
Fluoranthene (SPLP)	ug/L							
Fluorene	ug/kg							
Fluorene (SPLP)	ug/L							
Indeno(1,2,3-c,d)pyrene	ug/kg		252	298	237	137		
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Naphthalene (SPLP)	ug/L							

Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
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	Location ID	B220-SB-381	B220-SB-381	B220-SB-381	B220-SB-382	B220-SB-382	B220-SB-382	B220-SB-382
	Sample ID	1259324	1259327	1259337	1259300	1259302	1259307	1259309
	Sample Date	06/05/2012	06/05/2012	06/05/2012	06/05/2012	06/05/2012	06/05/2012	06/05/2012
	Sample Time	14:45	15:00	15:10	10:00	10:10	10:30	10:40
	Sample Depth	0' - 2'	6' - 8'	16' - 20'	0' - 2'	4' - 8'	14' - 16'	18' - 20'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC11159-33	MC11159-36	MC11159-38	MC11159-4	MC11159-6	MC11159-10	MC11159-12
Constituent	Units							
Phenanthrene	ug/kg	183	323	938	379	340		
Phenanthrene (SPLP)	ug/L							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	296	739	1110	778	451		
Pyrene (SPLP)	ug/L							
bis(2-Ethylhexyl)phthalate	ug/kg							
Acenaphthene	ug/kg			180				
Acenaphthene (SPLP)	ug/L							
Acetone	ug/kg			15.4	27.8		10.1	
Anthracene	ug/kg			232	125			
Anthracene (SPLP)	ug/L							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Carbon Disulfide	ug/kg							
Dibenzofuran	ug/kg							
Dibenzofuran (SPLP)	ug/L							
Tetrachloroethylene	ug/kg							
Methylene Chloride	ug/kg	3.0	2.2	3.2	3.2		3.6	2.9
2-Methylnaphthalene	ug/kg							
2-Methylnaphthalene (SPLP)	ug/L							
Trichloroethylene	ug/kg							
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Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory

	Location ID	B220-SB-382	B220-SB-382	B220-SB-383	B220-SB-383	B220-SB-383	B220-SB-383	B220-SB-401
	Sample ID	1259310	1259311	1259312	1259315	1259321	1259323	1259977
	Sample Date	06/05/2012	06/05/2012	06/05/2012	06/05/2012	06/05/2012	06/05/2012	06/04/2012
	Sample Time	10:40	10:45	11:15	11:30	14:15	14:25	13:19
	Sample Depth	18' - 20'	20' - 23'	0' - 2'	6' - 8'	14' - 16'	18' - 20'	8' - 10'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC11159-13	MC11159-14	MC11159-15	MC11159-18	MC11159-22	MC11159-24	MC11120-15
Constituent	Units							
Date Organics Analyzed	-	06/11/2012	06/11/2012	06/11/2012	06/11/2012	06/12/2012	06/12/2012	
Date of Other SPLP Analysis	-							
Date Physical Analyzed	-			06/08/2012				06/08/2012
Date Semivolatile Organics Analyzed	-			06/08/2012				
Date of Semivolatile SPLP Analysis	-							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg			80.0				46.2
Total Petroleum Hydrocarbons (CT ETPH) (SPLP)	mg/L							
Benzo[a]anthracene	ug/kg			193				
Benzo[a]anthracene (SPLP)	ug/L							
Benzo[b]fluoranthene	ug/kg			234				
Benzo[b]fluoranthene (SPLP)	ug/L							
Benzo(a)pyrene	ug/kg			166				
Benzo(a)pyrene (SPLP)	ug/L							
Benzo(g,h,i)perylene	ug/kg			127				
Benzo(k)fluoranthene	ug/kg							
Carbazole	ug/kg							
Carbazole (SPLP)	ug/L							
Chrysene	ug/kg			164				
Chrysene (SPLP)	ug/L							
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg			288				
Fluoranthene (SPLP)	ug/L							
Fluorene	ug/kg							
Fluorene (SPLP)	ug/L							
Indeno(1,2,3-c,d)pyrene	ug/kg			108				
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Naphthalene (SPLP)	ug/L							

Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory

	Location ID	B220-SB-382	B220-SB-382	B220-SB-383	B220-SB-383	B220-SB-383	B220-SB-383	B220-SB-401
	Sample ID	1259310	1259311	1259312	1259315	1259321	1259323	1259977
	Sample Date	06/05/2012	06/05/2012	06/05/2012	06/05/2012	06/05/2012	06/05/2012	06/04/2012
	Sample Time	10:40	10:45	11:15	11:30	14:15	14:25	13:19
	Sample Depth	18' - 20'	20' - 23'	0' - 2'	6' - 8'	14' - 16'	18' - 20'	8' - 10'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC11159-13	MC11159-14	MC11159-15	MC11159-18	MC11159-22	MC11159-24	MC11120-15
Constituent	Units							
Phenanthrene	ug/kg							
Phenanthrene (SPLP)	ug/L							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg			263				
Pyrene (SPLP)	ug/L							
bis(2-Ethylhexyl)phthalate	ug/kg							
Acenaphthene	ug/kg							
Acenaphthene (SPLP)	ug/L							
Acetone	ug/kg			56.0				
Anthracene	ug/kg							
Anthracene (SPLP)	ug/L							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Carbon Disulfide	ug/kg							
Dibenzofuran	ug/kg							
Dibenzofuran (SPLP)	ug/L							
Tetrachloroethylene	ug/kg						2.4	
Methylene Chloride	ug/kg	3.0	2.9		2.5	2.8	3.5	
2-Methylnaphthalene	ug/kg							
2-Methylnaphthalene (SPLP)	ug/L							
Trichloroethylene	ug/kg							
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Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
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	Location ID	B220-SB-401	B220-SB-401	B220-SB-401	B220-SB-402	B220-SB-403	B220-SB-403	B220-SB-403
	Sample ID	1259979	1259981	1259982	1259481	1259968	1259970	1259971
	Sample Date	06/04/2012	06/04/2012	06/04/2012	06/20/2012	06/04/2012	06/04/2012	06/04/2012
	Sample Time	13:27	13:38	13:41	10:45	11:23	11:34	11:39
	Sample Depth	12' - 14'	16' - 18'	18' - 20.5'	12' - 14'	10' - 12'	14' - 16'	16' - 18'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC11120-17	MC11120-19	MC11120-20	MC11626-31	MC11120-6R	MC11120-8R	MC11120-9
Constituent	Units							
Date Organics Analyzed	-	06/08/2012	06/08/2012	06/07/2012	06/25/2012			06/08/2012
Date of Other SPLP Analysis	-							
Date Physical Analyzed	-	06/08/2012	06/08/2012	06/08/2012	06/22/2012	06/15/2012	06/15/2012	06/08/2012
Date Semivolatile Organics Analyzed	-		06/07/2012	06/11/2012	06/25/2012	06/15/2012	06/15/2012	06/11/2012
Date of Semivolatile SPLP Analysis	-							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	79.3	1410	671	33.2	45.1	43.7	1080
Total Petroleum Hydrocarbons (CT ETPH) (SPLP)	mg/L							
Benzo[a]anthracene	ug/kg		40900	30400	445	455	879	53500
Benzo[a]anthracene (SPLP)	ug/L							
Benzo[b]fluoranthene	ug/kg		42500	27300	467	472	997	47200
Benzo[b]fluoranthene (SPLP)	ug/L							
Benzo(a)pyrene	ug/kg		32400	21200	400	373	850	39600
Benzo(a)pyrene (SPLP)	ug/L							
Benzo(g,h,i)perylene	ug/kg		13900	12800	253	243	555	24400
Benzo(k)fluoranthene	ug/kg		16200	9470	202	184	385	18500
Carbazole	ug/kg		7020	7440				7500
Carbazole (SPLP)	ug/L							
Chrysene	ug/kg		29500	26300	371	394	792	44100
Chrysene (SPLP)	ug/L							
Dibenz(a,h)anthracene	ug/kg		4250					6050
Fluoranthene	ug/kg		86500	71300	852	918	1550	123000
Fluoranthene (SPLP)	ug/L							
Fluorene	ug/kg		6230					7030
Fluorene (SPLP)	ug/L							
Indeno(1,2,3-c,d)pyrene	ug/kg		13000	11700	192	192	441	21700
Naphthalene	ug/kg	15.8		426				
Naphthalene	ug/kg							
Naphthalene (SPLP)	ug/L							

Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory

	Location ID	B220-SB-401	B220-SB-401	B220-SB-401	B220-SB-402	B220-SB-403	B220-SB-403	B220-SB-403
	Sample ID	1259979	1259981	1259982	1259481	1259968	1259970	1259971
	Sample Date	06/04/2012	06/04/2012	06/04/2012	06/20/2012	06/04/2012	06/04/2012	06/04/2012
	Sample Time	13:27	13:38	13:41	10:45	11:23	11:34	11:39
	Sample Depth	12' - 14'	16' - 18'	18' - 20.5'	12' - 14'	10' - 12'	14' - 16'	16' - 18'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC11120-17	MC11120-19	MC11120-20	MC11626-31	MC11120-6R	MC11120-8R	MC11120-9
Constituent	Units							
Phenanthrene	ug/kg		57400	54700	424	586	540	71000
Phenanthrene (SPLP)	ug/L							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg		63100	53300	717	766	1610	94100
Pyrene (SPLP)	ug/L							
bis(2-Ethylhexyl)phthalate	ug/kg							
Acenaphthene	ug/kg		4930					8200
Acenaphthene (SPLP)	ug/L							
Acetone	ug/kg	9.5	20.8		118			
Anthracene	ug/kg		17000	14700	113		161	21700
Anthracene (SPLP)	ug/L							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Carbon Disulfide	ug/kg							
Dibenzofuran	ug/kg		3380					
Dibenzofuran (SPLP)	ug/L							
Tetrachloroethylene	ug/kg		14.8					
Methylene Chloride	ug/kg	2.8	1.6					3.3
2-Methylnaphthalene	ug/kg							
2-Methylnaphthalene (SPLP)	ug/L							
Trichloroethylene	ug/kg							
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Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
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	Location ID	B220-SB-403	B220-SB-403	B220-SB-403	B220-SB-417	B220-SB-417	B220-SB-417	B220-SB-517
	Sample ID	1259971	1259971	1259972	1259396	1259399	1259400	1327988
	Sample Date	06/04/2012	06/04/2012	06/04/2012	06/08/2012	06/08/2012	06/08/2012	06/05/2014
	Sample Time	11:39	11:39	11:43	10:05	10:50	10:50	12:55
	Sample Depth	16' - 18'	16' - 18'	18' - 20.8'	10' - 12'	16' - 18'	16' - 18'	6' - 8'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC11120-9R	MC11120-9RA	MC11120-10	MC11292-7	MC11292-10	MC11292-11	MC31125-12
Constituent	Units							
Date Organics Analyzed	-			06/07/2012	06/13/2012	06/13/2012	06/13/2012	06/12/2014
Date of Other SPLP Analysis	-							
Date Physical Analyzed	-			06/08/2012				
Date Semivolatile Organics Analyzed	-			06/11/2012				
Date of Semivolatile SPLP Analysis	-	06/20/2012	06/20/2012					
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg			1100				
Total Petroleum Hydrocarbons (CT ETPH) (SPLP)	mg/L							
Benzo[a]anthracene	ug/kg			13600				
Benzo[a]anthracene (SPLP)	ug/L		1.7					
Benzo[b]fluoranthene	ug/kg			12100				
Benzo[b]fluoranthene (SPLP)	ug/L		0.25					
Benzo(a)pyrene	ug/kg			9900				
Benzo(a)pyrene (SPLP)	ug/L		0.13					
Benzo(g,h,i)perylene	ug/kg			5820				
Benzo(k)fluoranthene	ug/kg			4800				
Carbazole	ug/kg			3980				
Carbazole (SPLP)	ug/L	46.2						
Chrysene	ug/kg			11500				
Chrysene (SPLP)	ug/L		0.91					
Dibenz(a,h)anthracene	ug/kg			1500				
Fluoranthene	ug/kg			32200				
Fluoranthene (SPLP)	ug/L	27.4	26.9					
Fluorene	ug/kg			2280				
Fluorene (SPLP)	ug/L	17.5	16.6					
Indeno(1,2,3-c,d)pyrene	ug/kg			5260				
Naphthalene	ug/kg			1200				
Naphthalene	ug/kg			1780				
Naphthalene (SPLP)	ug/L	5.8	5.5					

Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory

	Location ID	B220-SB-403	B220-SB-403	B220-SB-403	B220-SB-417	B220-SB-417	B220-SB-417	B220-SB-517
	Sample ID	1259971	1259971	1259972	1259396	1259399	1259400	1327988
	Sample Date	06/04/2012	06/04/2012	06/04/2012	06/08/2012	06/08/2012	06/08/2012	06/05/2014
	Sample Time	11:39	11:39	11:43	10:05	10:50	10:50	12:55
	Sample Depth	16' - 18'	16' - 18'	18' - 20.8'	10' - 12'	16' - 18'	16' - 18'	6' - 8'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC11120-9R	MC11120-9RA	MC11120-10	MC11292-7	MC11292-10	MC11292-11	MC31125-12
Constituent	Units							
Phenanthrene	ug/kg			23200				
Phenanthrene (SPLP)	ug/L	76.6	70.8					
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg			24100				
Pyrene (SPLP)	ug/L	17.2	17.3					
bis(2-Ethylhexyl)phthalate	ug/kg							
Acenaphthene	ug/kg			2140				
Acenaphthene (SPLP)	ug/L	28.0	25.9					
Acetone	ug/kg				24.4	24.0	52.1	
Anthracene	ug/kg			6320				
Anthracene (SPLP)	ug/L	16.4	16.4					
1,2,3-Trichlorobenzene	ug/kg			2080				
1,2,4-Trichlorobenzene	ug/kg			9490				
1,2,4-Trichlorobenzene	ug/kg			10100				
2-Butanone (MEK)	ug/kg							
Carbon Disulfide	ug/kg							
Dibenzofuran	ug/kg			1550				
Dibenzofuran (SPLP)	ug/L	12.9						
Tetrachloroethylene	ug/kg							4.0
Methylene Chloride	ug/kg				2.7	3.5	3.3	3.2 B
2-Methylnaphthalene	ug/kg							
2-Methylnaphthalene (SPLP)	ug/L							
Trichloroethylene	ug/kg							
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Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory

	Location ID	B220-SB-517	B220-SB-517	B220-SB-517	B220-SB-518	B220-SB-518	B220-SB-518	B220-SB-518
	Sample ID	1327991	1327993	1327994	1327996	1327999	1328000	1328001
	Sample Date	06/05/2014	06/05/2014	06/05/2014	06/05/2014	06/05/2014	06/05/2014	06/05/2014
	Sample Time	13:20	13:40	13:50	14:00	14:30	12:14	14:50
	Sample Depth	12' - 14'	16' - 18'	18' - 20'	6' - 8'	12' - 14'	12' - 14'	14' - 16'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC31125-15	MC31125-17	MC31125-18	MC31125-4	MC31125-7	MC31125-8	MC31125-9
Constituent	Units							
Date Organics Analyzed	-	06/12/2014	06/13/2014	06/13/2014	06/12/2014	06/12/2014	06/12/2014	06/12/2014
Date of Other SPLP Analysis	-							
Date Physical Analyzed	-				06/13/2014		06/13/2014	06/13/2014
Date Semivolatile Organics Analyzed	-				06/12/2014			06/13/2014
Date of Semivolatile SPLP Analysis	-							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg				114		36.3	31.6
Total Petroleum Hydrocarbons (CT ETPH) (SPLP)	mg/L							
Benzo[a]anthracene	ug/kg				1740			
Benzo[a]anthracene (SPLP)	ug/L							
Benzo[b]fluoranthene	ug/kg				1340			
Benzo[b]fluoranthene (SPLP)	ug/L							
Benzo(a)pyrene	ug/kg				1480			
Benzo(a)pyrene (SPLP)	ug/L							
Benzo(g,h,i)perylene	ug/kg				765			
Benzo(k)fluoranthene	ug/kg				1180			
Carbazole	ug/kg							
Carbazole (SPLP)	ug/L							
Chrysene	ug/kg				1690			
Chrysene (SPLP)	ug/L							
Dibenz(a,h)anthracene	ug/kg				305			
Fluoranthene	ug/kg				3580			234
Fluoranthene (SPLP)	ug/L							
Fluorene	ug/kg				237			
Fluorene (SPLP)	ug/L							
Indeno(1,2,3-c,d)pyrene	ug/kg				746			
Naphthalene	ug/kg				6.6			
Naphthalene	ug/kg							
Naphthalene (SPLP)	ug/L							

Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory

	Location ID	B220-SB-517	B220-SB-517	B220-SB-517	B220-SB-518	B220-SB-518	B220-SB-518	B220-SB-518
	Sample ID	1327991	1327993	1327994	1327996	1327999	1328000	1328001
	Sample Date	06/05/2014	06/05/2014	06/05/2014	06/05/2014	06/05/2014	06/05/2014	06/05/2014
	Sample Time	13:20	13:40	13:50	14:00	14:30	12:14	14:50
	Sample Depth	12' - 14'	16' - 18'	18' - 20'	6' - 8'	12' - 14'	12' - 14'	14' - 16'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC31125-15	MC31125-17	MC31125-18	MC31125-4	MC31125-7	MC31125-8	MC31125-9
Constituent	Units							
Phenanthrene	ug/kg				2210			135
Phenanthrene (SPLP)	ug/L							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg				3220			187
Pyrene (SPLP)	ug/L							
bis(2-Ethylhexyl)phthalate	ug/kg							
Acenaphthene	ug/kg				232			
Acenaphthene (SPLP)	ug/L							
Acetone	ug/kg				14.3	17.9		13.6
Anthracene	ug/kg				598			
Anthracene (SPLP)	ug/L							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Carbon Disulfide	ug/kg							
Dibenzofuran	ug/kg							
Dibenzofuran (SPLP)	ug/L							
Tetrachloroethylene	ug/kg	4.0						
Methylene Chloride	ug/kg	2.7 B	2.9 B	2.8 B	1.3 B	2.6 B	2.9 B	2.9 B
2-Methylnaphthalene	ug/kg							
2-Methylnaphthalene (SPLP)	ug/L							
Trichloroethylene	ug/kg							
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Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory

	Location ID	B220-SB-519	B220-SB-519	B220-SB-519	B220-SB-519	B220-SB-520	B220-SB-520	B220-SB-520
	Sample ID	1328005	1328008	1328010	1328011	1328017	1328020	1328022
	Sample Date	06/06/2014	06/06/2014	06/06/2014	06/06/2014	06/06/2014	06/06/2014	06/06/2014
	Sample Time	10:05	10:20	10:35	10:40	11:10	11:40	11:55
	Sample Depth	6' - 8'	12' - 14'	16' - 18'	18' - 20'	6' - 8'	12' - 14'	16' - 20'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC31151-35	MC31151-38	MC31151-40	MC31151-41	MC31151-27	MC31151-30	MC31151-32
Constituent	Units							
Date Organics Analyzed	-	06/13/2014	06/13/2014	06/13/2014	06/13/2014	06/13/2014	06/13/2014	06/13/2014
Date of Other SPLP Analysis	-							
Date Physical Analyzed	-	06/13/2014	06/13/2014	06/13/2014	06/13/2014	06/13/2014	06/14/2014	06/13/2014
Date Semivolatile Organics Analyzed	-	06/12/2014	06/12/2014	06/12/2014	06/12/2014	06/12/2014		
Date of Semivolatile SPLP Analysis	-							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	25.1	26.5	41.7	83.2	27.1	76.1	26.3
Total Petroleum Hydrocarbons (CT ETPH) (SPLP)	mg/L							
Benzo[a]anthracene	ug/kg	347		166	327	166		
Benzo[a]anthracene (SPLP)	ug/L							
Benzo[b]fluoranthene	ug/kg	261		129	269	134		
Benzo[b]fluoranthene (SPLP)	ug/L							
Benzo(a)pyrene	ug/kg	293		146	290	160		
Benzo(a)pyrene (SPLP)	ug/L							
Benzo(g,h,i)perylene	ug/kg	169			172			
Benzo(k)fluoranthene	ug/kg	237			216	144		
Carbazole	ug/kg							
Carbazole (SPLP)	ug/L							
Chrysene	ug/kg	335		158	318	172		
Chrysene (SPLP)	ug/L							
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg	815	179	315	647	307		
Fluoranthene (SPLP)	ug/L							
Fluorene	ug/kg							
Fluorene (SPLP)	ug/L							
Indeno(1,2,3-c,d)pyrene	ug/kg	164			154			
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Naphthalene (SPLP)	ug/L							

Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory

	Location ID	B220-SB-519	B220-SB-519	B220-SB-519	B220-SB-519	B220-SB-520	B220-SB-520	B220-SB-520
	Sample ID	1328005	1328008	1328010	1328011	1328017	1328020	1328022
	Sample Date	06/06/2014	06/06/2014	06/06/2014	06/06/2014	06/06/2014	06/06/2014	06/06/2014
	Sample Time	10:05	10:20	10:35	10:40	11:10	11:40	11:55
	Sample Depth	6' - 8'	12' - 14'	16' - 18'	18' - 20'	6' - 8'	12' - 14'	16' - 20'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC31151-35	MC31151-38	MC31151-40	MC31151-41	MC31151-27	MC31151-30	MC31151-32
Constituent	Units							
Phenanthrene	ug/kg	395		153	329	120		
Phenanthrene (SPLP)	ug/L							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	618	162	286	549	279		
Pyrene (SPLP)	ug/L							
bis(2-Ethylhexyl)phthalate	ug/kg							
Acenaphthene	ug/kg							
Acenaphthene (SPLP)	ug/L							
Acetone	ug/kg	15.1						
Anthracene	ug/kg							
Anthracene (SPLP)	ug/L							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Carbon Disulfide	ug/kg							
Dibenzofuran	ug/kg							
Dibenzofuran (SPLP)	ug/L							
Tetrachloroethylene	ug/kg			2.4	8.8		2.7	6.5
Methylene Chloride	ug/kg	4.2 B	5.2 B		7.1 B	2.9 B	3.0 B	2.8 B
2-Methylnaphthalene	ug/kg							
2-Methylnaphthalene (SPLP)	ug/L							
Trichloroethylene	ug/kg							
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Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
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	Location ID	B220-SB-521	B220-SB-521	B220-SB-521	B220-SB-522	B220-SB-522	B220-SB-529	B220-SB-534
	Sample ID	1328026	1328029	1328031	1328039	1328041	1359675	1359664
	Sample Date	06/06/2014	06/06/2014	06/06/2014	06/06/2014	06/06/2014	07/01/2016	07/01/2016
	Sample Time	12:20	12:35	12:45	14:00	14:20	14:40	14:00
	Sample Depth	6' - 8'	12' - 14'	16' - 18'	12' - 14'	16' - 18'	0' - 2'	8' - 10'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC31151-16	MC31151-19	MC31151-21	MC31151-9	MC31151-11	MC46720-52R	MC46720-44R
Constituent	Units							
Date Organics Analyzed	-	06/13/2014	06/13/2014	06/13/2014	06/13/2014	06/13/2014		07/12/2016
Date of Other SPLP Analysis	-							
Date Physical Analyzed	-	06/14/2014	06/13/2014				07/11/2016	07/11/2016
Date Semivolatile Organics Analyzed	-	06/13/2014					07/12/2016	07/12/2016
Date of Semivolatile SPLP Analysis	-							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	108	23.4				138	85.8
Total Petroleum Hydrocarbons (CT ETPH) (SPLP)	mg/L							
Benzo[a]anthracene	ug/kg						442	961
Benzo[a]anthracene (SPLP)	ug/L							
Benzo[b]fluoranthene	ug/kg						384	735
Benzo[b]fluoranthene (SPLP)	ug/L							
Benzo(a)pyrene	ug/kg						434	851
Benzo(a)pyrene (SPLP)	ug/L							
Benzo(g,h,i)perylene	ug/kg						264	518
Benzo(k)fluoranthene	ug/kg						375	691
Carbazole	ug/kg							
Carbazole (SPLP)	ug/L							
Chrysene	ug/kg						448	952
Chrysene (SPLP)	ug/L							
Dibenz(a,h)anthracene	ug/kg							150
Fluoranthene	ug/kg	831					993	2270
Fluoranthene (SPLP)	ug/L							
Fluorene	ug/kg							122
Fluorene (SPLP)	ug/L							
Indeno(1,2,3-c,d)pyrene	ug/kg						299	548
Naphthalene	ug/kg							61.0
Naphthalene	ug/kg							
Naphthalene (SPLP)	ug/L							

Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
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	Location ID	B220-SB-521	B220-SB-521	B220-SB-521	B220-SB-522	B220-SB-522	B220-SB-529	B220-SB-534
	Sample ID	1328026	1328029	1328031	1328039	1328041	1359675	1359664
	Sample Date	06/06/2014	06/06/2014	06/06/2014	06/06/2014	06/06/2014	07/01/2016	07/01/2016
	Sample Time	12:20	12:35	12:45	14:00	14:20	14:40	14:00
	Sample Depth	6' - 8'	12' - 14'	16' - 18'	12' - 14'	16' - 18'	0' - 2'	8' - 10'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC31151-16	MC31151-19	MC31151-21	MC31151-9	MC31151-11	MC46720-52R	MC46720-44R
Constituent	Units							
Phenanthrene	ug/kg						751	1290
Phenanthrene (SPLP)	ug/L							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	711					879	2150
Pyrene (SPLP)	ug/L							
bis(2-Ethylhexyl)phthalate	ug/kg							
Acenaphthene	ug/kg						145	143
Acenaphthene (SPLP)	ug/L							
Acetone	ug/kg							
Anthracene	ug/kg						167	334
Anthracene (SPLP)	ug/L							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Carbon Disulfide	ug/kg							
Dibenzofuran	ug/kg							
Dibenzofuran (SPLP)	ug/L							
Tetrachloroethylene	ug/kg	4.9	2.2	3.6				
Methylene Chloride	ug/kg		2.0 B	3.5 B	4.2 B	2.2 B		
2-Methylnaphthalene	ug/kg							
2-Methylnaphthalene (SPLP)	ug/L							
Trichloroethylene	ug/kg							
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Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory

	Location ID	B220-SB-536	B220-SB-92	B220-SB-92	B220-SB-93	B220-SB-93	B220-SB-93	B220-SB-93
	Sample ID	1359641	1255042	1255045	1251887	1251888	1251890	1251891
	Sample Date	07/01/2016	03/27/2012	03/27/2012	03/09/2012	03/09/2012	03/09/2012	03/09/2012
	Sample Time	11:30	14:50	15:35	11:05	11:05	11:15	11:25
	Sample Depth	20' - 22'	8' - 10'	14' - 16'	4.0' - 6.0'	6.0' - 8.0'	10' - 12'	12.0' - 16.0'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC46720-21R	MC9091-9	MC9091-12	MC8612-13	MC8612-14R	MC8612-16	MC8612-17R
Constituent	Units							
Date Organics Analyzed	-	07/12/2016	03/29/2012	03/29/2012	03/13/2012	03/23/2012	03/13/2012	03/22/2012
Date of Other SPLP Analysis	-							
Date Physical Analyzed	-	07/11/2016	04/02/2012	04/02/2012	03/14/2012	03/22/2012		
Date Semivolatile Organics Analyzed	-	07/13/2016	03/30/2012				03/14/2012	
Date of Semivolatile SPLP Analysis	-							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	1460	30.6	17.0	258	277		
Total Petroleum Hydrocarbons (CT ETPH) (SPLP)	mg/L							
Benzo[a]anthracene	ug/kg	58200	583					
Benzo[a]anthracene (SPLP)	ug/L							
Benzo[b]fluoranthene	ug/kg	48600	568					
Benzo[b]fluoranthene (SPLP)	ug/L							
Benzo(a)pyrene	ug/kg	46200	464					
Benzo(a)pyrene (SPLP)	ug/L							
Benzo(g,h,i)perylene	ug/kg	29700	315					
Benzo(k)fluoranthene	ug/kg	36900						
Carbazole	ug/kg							
Carbazole (SPLP)	ug/L							
Chrysene	ug/kg	57200	465					
Chrysene (SPLP)	ug/L							
Dibenz(a,h)anthracene	ug/kg	6550						
Fluoranthene	ug/kg	138000	1000				545	
Fluoranthene (SPLP)	ug/L							
Fluorene	ug/kg	5020						
Fluorene (SPLP)	ug/L							
Indeno(1,2,3-c,d)pyrene	ug/kg	28600	273					
Naphthalene	ug/kg	8.0	14.0		10.9	11.3		
Naphthalene	ug/kg							
Naphthalene (SPLP)	ug/L							

Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory

	Location ID	B220-SB-536	B220-SB-92	B220-SB-92	B220-SB-93	B220-SB-93	B220-SB-93	B220-SB-93
	Sample ID	1359641	1255042	1255045	1251887	1251888	1251890	1251891
	Sample Date	07/01/2016	03/27/2012	03/27/2012	03/09/2012	03/09/2012	03/09/2012	03/09/2012
	Sample Time	11:30	14:50	15:35	11:05	11:05	11:15	11:25
	Sample Depth	20' - 22'	8' - 10'	14' - 16'	4.0' - 6.0'	6.0' - 8.0'	10' - 12'	12.0' - 16.0'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC46720-21R	MC9091-9	MC9091-12	MC8612-13	MC8612-14R	MC8612-16	MC8612-17R
Constituent	Units							
Phenanthrene	ug/kg	73900	576					
Phenanthrene (SPLP)	ug/L							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	118000	867				400	
Pyrene (SPLP)	ug/L							
bis(2-Ethylhexyl)phthalate	ug/kg							
Acenaphthene	ug/kg	6430						
Acenaphthene (SPLP)	ug/L							
Acetone	ug/kg		35.4	73.5	26.0	13.7	12.7	
Anthracene	ug/kg	18600						
Anthracene (SPLP)	ug/L							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Carbon Disulfide	ug/kg							
Dibenzofuran	ug/kg							
Dibenzofuran (SPLP)	ug/L							
Tetrachloroethylene	ug/kg	7.2 B	8.6	36.7			6.8	6.8
Methylene Chloride	ug/kg							3.9 B
2-Methylnaphthalene	ug/kg							
2-Methylnaphthalene (SPLP)	ug/L							
Trichloroethylene	ug/kg							
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Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory

	Location ID	B220-SB-94	B220-SB-94	B220-SB-94	B220-SB-95	B220-SB-96	B220-SB-97	B220-SB-97
	Sample ID	1251865	1255032	1255035	1252076	1252194	1252039	1252040
	Sample Date	03/07/2012	03/27/2012	03/27/2012	03/15/2012	03/26/2012	03/15/2012	03/15/2012
	Sample Time	15:15	10:35	10:50	15:38	11:15	10:00	10:05
	Sample Depth	0' - 2'	8' - 10'	14' - 16'	18' - 20'	18' - 20.2'	0' - 2'	2' - 3.5'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC8509-23	MC9091-3	MC9091-6	MC8775-34T	MC9051-11T	MC8775-2	MC8775-3R
Constituent	Units							
Date Organics Analyzed	-		03/30/2012	03/29/2012	04/11/2012	04/11/2012	03/22/2012	
Date of Other SPLP Analysis	-							
Date Physical Analyzed	-		04/02/2012		04/13/2012	04/11/2012	03/21/2012	
Date Semivolatile Organics Analyzed	-	03/12/2012	03/30/2012	03/30/2012	04/11/2012	04/12/2012	03/21/2012	03/28/2012
Date of Semivolatile SPLP Analysis	-							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg		38.3		3640	78.2	37.9	
Total Petroleum Hydrocarbons (CT ETPH) (SPLP)	mg/L							
Benzo[a]anthracene	ug/kg				4920	1340	406	
Benzo[a]anthracene (SPLP)	ug/L							
Benzo[b]fluoranthene	ug/kg				3640	889	475	
Benzo[b]fluoranthene (SPLP)	ug/L							
Benzo(a)pyrene	ug/kg				3970	1070	351	
Benzo(a)pyrene (SPLP)	ug/L							
Benzo(g,h,i)perylene	ug/kg				2010	738		
Benzo(k)fluoranthene	ug/kg				3670	1040		
Carbazole	ug/kg				873			
Carbazole (SPLP)	ug/L							
Chrysene	ug/kg				4650	1310	321	
Chrysene (SPLP)	ug/L							
Dibenz(a,h)anthracene	ug/kg				951	331		
Fluoranthene	ug/kg	414	359		8770	2780	605	382
Fluoranthene (SPLP)	ug/L							
Fluorene	ug/kg				467			
Fluorene (SPLP)	ug/L							
Indeno(1,2,3-c,d)pyrene	ug/kg				1980	664		
Naphthalene	ug/kg					4.5		
Naphthalene	ug/kg							
Naphthalene (SPLP)	ug/L							

Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory

	Location ID	B220-SB-94	B220-SB-94	B220-SB-94	B220-SB-95	B220-SB-96	B220-SB-97	B220-SB-97
	Sample ID	1251865	1255032	1255035	1252076	1252194	1252039	1252040
	Sample Date	03/07/2012	03/27/2012	03/27/2012	03/15/2012	03/26/2012	03/15/2012	03/15/2012
	Sample Time	15:15	10:35	10:50	15:38	11:15	10:00	10:05
	Sample Depth	0' - 2'	8' - 10'	14' - 16'	18' - 20'	18' - 20.2'	0' - 2'	2' - 3.5'
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM
	Lab. Number	MC8509-23	MC9091-3	MC9091-6	MC8775-34T	MC9051-11T	MC8775-2	MC8775-3R
Constituent	Units							
Phenanthrene	ug/kg				4960	1390		
Phenanthrene (SPLP)	ug/L							
Di-n-octyl phthalate	ug/kg			574				
Pyrene	ug/kg	301	314		7990	2390	524	315
Pyrene (SPLP)	ug/L							
bis(2-Ethylhexyl)phthalate	ug/kg			551				
Acenaphthene	ug/kg				584			
Acenaphthene (SPLP)	ug/L							
Acetone	ug/kg		91.3		9.0 B			
Anthracene	ug/kg				1410	385		
Anthracene (SPLP)	ug/L							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Carbon Disulfide	ug/kg							
Dibenzofuran	ug/kg							
Dibenzofuran (SPLP)	ug/L							
Tetrachloroethylene	ug/kg			3.3	2.8	3.0		
Methylene Chloride	ug/kg						2.3 B	
2-Methylnaphthalene	ug/kg							
2-Methylnaphthalene (SPLP)	ug/L							
Trichloroethylene	ug/kg							
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Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory

	Location ID	B220-SB-98	B220-SB-98	B220-SB-98	B220-SB-98	B220-SB-98	B220-SB-98	
	Sample ID	1255101	1255103	1255103	1255103	1255106	1255107	
	Sample Date	03/30/2012	03/30/2012	03/30/2012	03/30/2012	03/30/2012	03/30/2012	
	Sample Time	14:15	14:25	14:25	14:25	14:40	14:45	
	Sample Depth	2' - 4'	6' - 8'	6' - 8'	6' - 8'	12' - 14'	14' - 15'	
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	
	Lab. Number	MC9207-15T	MC9207-17A	MC9207-17TA	MC9207-17TB	MC9207-20T	MC9207-21A	
Constituent	Units							
Date Organics Analyzed	-	04/13/2012	04/06/2012			04/13/2012	04/06/2012	
Date of Other SPLP Analysis	-			04/17/2012				
Date Physical Analyzed	-	04/15/2012	04/06/2012			04/17/2012	04/06/2012	
Date Semivolatile Organics Analyzed	-	04/17/2012	04/09/2012			04/17/2012	04/05/2012	
Date of Semivolatile SPLP Analysis	-			04/17/2012	04/17/2012			
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	25.5	1570			22.4	280	
Total Petroleum Hydrocarbons (CT ETPH) (SPLP)	mg/L			0.404				
Benzo[a]anthracene	ug/kg	321	33800			419	4510	
Benzo[a]anthracene (SPLP)	ug/L							
Benzo[b]fluoranthene	ug/kg	348	32700			408	4240	
Benzo[b]fluoranthene (SPLP)	ug/L				0.075			
Benzo(a)pyrene	ug/kg		25900			326	3460	
Benzo(a)pyrene (SPLP)	ug/L							
Benzo(g,h,i)perylene	ug/kg		14000				1970	
Benzo(k)fluoranthene	ug/kg		11800				1600	
Carbazole	ug/kg		7970				960	
Carbazole (SPLP)	ug/L			43.9				
Chrysene	ug/kg	284	30600			304	3980	
Chrysene (SPLP)	ug/L				0.37			
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg	575	85100			846	11200	
Fluoranthene (SPLP)	ug/L			11.7	11.5			
Fluorene	ug/kg		5920				684	
Fluorene (SPLP)	ug/L			15.7	15.6			
Indeno(1,2,3-c,d)pyrene	ug/kg		13000				1720	
Naphthalene	ug/kg		604				584	
Naphthalene	ug/kg		4760				440	
Naphthalene (SPLP)	ug/L			50.8	47.7			

Table 3-2B
SUMMARY OF SOIL AND CONCRETE ETPH, PAH, AND VOC ANALYTICAL DETECTIONS
Pratt & Whitney Facility, Middletown, Connecticut

Loureiro
Engineering • Construction • EH&S • Energy
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	Location ID	B220-SB-98	B220-SB-98	B220-SB-98	B220-SB-98	B220-SB-98	B220-SB-98	
	Sample ID	1255101	1255103	1255103	1255103	1255106	1255107	
	Sample Date	03/30/2012	03/30/2012	03/30/2012	03/30/2012	03/30/2012	03/30/2012	
	Sample Time	14:15	14:25	14:25	14:25	14:40	14:45	
	Sample Depth	2' - 4'	6' - 8'	6' - 8'	6' - 8'	12' - 14'	14' - 15'	
	Laboratory	ACTM	ACTM	ACTM	ACTM	ACTM	ACTM	
	Lab. Number	MC9207-15T	MC9207-17A	MC9207-17TA	MC9207-17TB	MC9207-20T	MC9207-21A	
Constituent	Units							
Phenanthrene	ug/kg		58200			528	6770	
Phenanthrene (SPLP)	ug/L			47.2	41.2			
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	503	64700			692	7920	
Pyrene (SPLP)	ug/L			7.1	7.6			
bis(2-Ethylhexyl)phthalate	ug/kg							
Acenaphthene	ug/kg		5550				688	
Acenaphthene (SPLP)	ug/L			21.4	17.8			
Acetone	ug/kg	15.4				40.9		
Anthracene	ug/kg		13700				1790	
Anthracene (SPLP)	ug/L			9.7	8.3			
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
2-Butanone (MEK)	ug/kg					6.7		
Carbon Disulfide	ug/kg							
Dibenzofuran	ug/kg							
Dibenzofuran (SPLP)	ug/L			13.6				
Tetrachloroethylene	ug/kg							
Methylene Chloride	ug/kg							
2-Methylnaphthalene	ug/kg							
2-Methylnaphthalene (SPLP)	ug/L			7.4				
Trichloroethylene	ug/kg							
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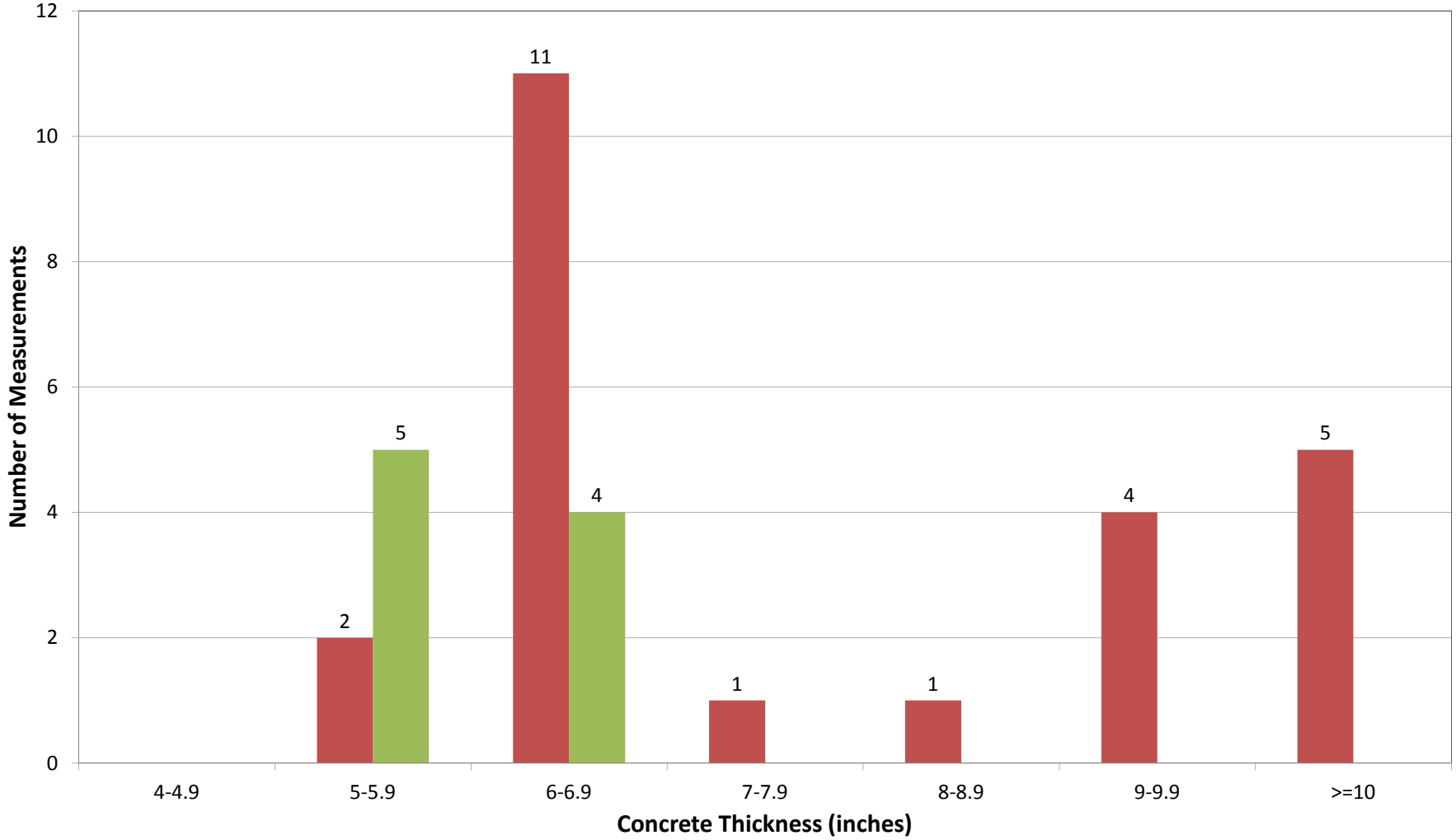
Figures



NOTES:
Concrete thickness measurements in bay and platform areas primarily conducted during installation of soil borings.
Gravel was noted directly below 10 of the borings, ranging between 3 and 6 inches thick.

LEGEND
- BAY
- PLATFORM

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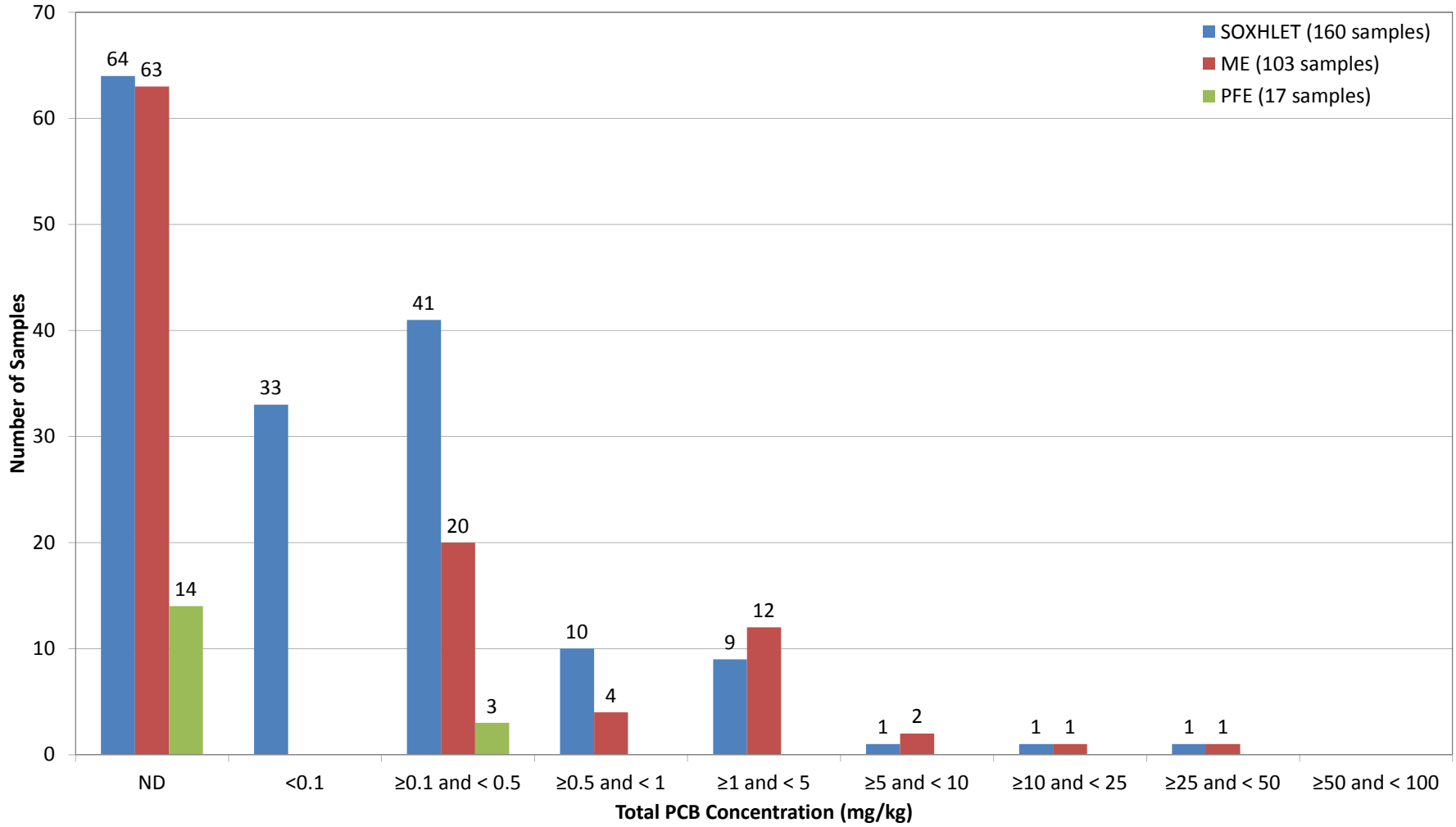
BUILDING 250 CONCRETE THICKNESS MEASUREMENTS

Comm. No.		
88UT2.45	**FIGURE 1**	Loureiro



NOTES:
NUMBER OF SAMPLES INCLUDES FIELD DUPLICATES, LABORATORY REPLICATES, AND SAMPLES SUBMITTED FOR ANALYSIS FOLLOWING BOTH SOXHLET AND MICROWAVE EXTRACTION

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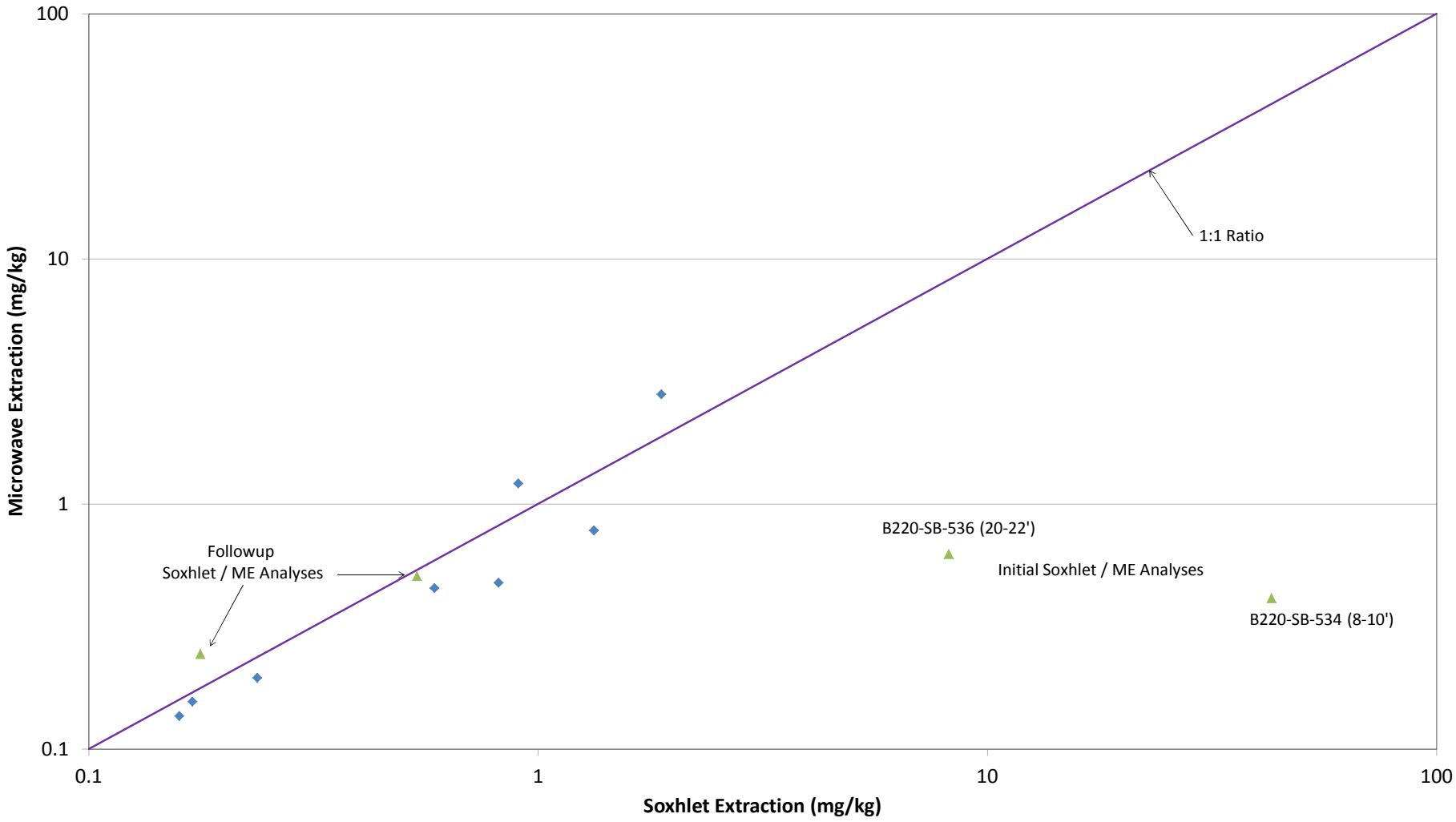
TOTAL PCB RESULTS BY EXTRACTION METHOD

Comm. No.		
88UT5.38	**FIGURE 2**	Loureiro



NOTES:

NUMBER OF SAMPLES INCLUDES FIELD DUPLICATES, LABORATORY REPLICATES, AND SAMPLES SUBMITTED FOR ANALYSIS FOLLOWING BOTH SOXHLET AND MICROWAVE EXTRACTION

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COMPARISON OF SOXHLET AND MICROWAVE EXTRACTION RESULTS

Comm. No.		
88UT5.38	**FIGURE 3**	Loureiro