USEPA PCB SELF IMPLEMENTATION PLAN II

for

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50 Dey Street
Jersey City, New Jersey 07306
NJDEP ISRA #: E20020126-M02

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4 December 2013
100412101

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1.0 INTRODUCTION

This Poly Chlorinated Biphenyls (PCB) Self Implementation Plan (*SIP*) presents a historical narrative of the PCB management strategy, the existing Site conditions, and the proposed future management strategy for the PCB impacted wood and concrete materials at the property identified as Mana Art Center, LLC, 50 Dey Street, Jersey City, New Jersey (hereafter referred to as the Site).

This SIP was prepared at the discretion of the present Site owner (Mana Art Center, LLC [MAC]), and is intended to satisfy the requirements of 40 CFR Part 761.61 PCB Remediation Waste (*Appendix A*) in response to United State Department of Environmental Protection (USEPA) correspondence dated 4 June 2013 (*Appendix B*). Specifically, this SIP reflects the PCB environmental remedial operations proposed for future phases of the redevelopment project, and include Building 4 & 5, all floors inclusive.

2.0 SITE DESCRIPTION

2.1 Land Use

The Site is located at 50 Dey Street, Block 7701, Lot 5, Jersey City, Hudson County, New Jersey, within the Marion Section of the city.

The Site presently comprises one (1) parcel of irregularly shaped land totaling approximately 4.38 acres. The improvements on the Site include a total of five (5), seven (7) story structures, with the westernmost two (2) structures identified as Tower 4 (aka Building 4) and Tower 5 (aka Building 5) being the subject of this document. Towers 4 and Tower 5 share common walls, and are interconnected to permit mobility between the two (2) towers.

The western most portion of the Site contains a single structure identified as the Boiler House. It should be noted by the reviewer that the Boiler House is an

independent structure identified as part of the Site improvements; however it is not included within the scope of this document.

The geometry of the Site is irregular with the northern side of the property bordering St. Paul's Avenue and US Route 9, the western side of the property bordering active railroad tracks, the eastern side of the property bordering Tonnelle Avenue, and the southern side of the property bordering Dey Street.

The Sites latitude is 74 04'04", and the longitude is 40 44' 18.31".

The Site location is presented as *Figure 1*, while the municipal tax map is presented as *Figure 2.*

2.2 Site Topography

The USGS Topographic Map – Jersey City Quadrangle, New Jersey Map (7.5-minute series), dated 1954 (photo-revised 1981) indicates that the Site topography is highest along the eastern border of the property on Tonnelle Avenue at an elevation of approximately 80.0 feet mean sea level (MSL), and slopes to the west where the western property boundary along the railroad tracks is evidenced at approximately 30.0 feet MSL. *Figure 1* presents the topographic conditions on-Site.

2.3 Site Specific Exterior Environmental Conditions

Given that the focus of this document is within the existing structures, and in consideration that no exterior operations are anticipated, the Sites geologic, soil and surface water conditions are not included as sub sections of this document.

3.0 SITE STATUS

3.1 Site Development Status

Prior to 1928 the Site was occupied by various dwellings, commercial establishments, and local roadways. In 1928 the American Can Company (ACC) developed the Site to include the structures existing on Site today. ACC engaged in manufacturing from 1928 through 1974, at which time they terminated operations and sold the property. From 1974 to the mid 2000's the property was utilized for storage purposes by multiple tenants. In 2005 the property was again sold, and redevelopment operations were initiated wherein the use of the property was converted to a mix of residential, storage, and artistic studio usage. The identified mixed use still defines the Site character.

3.2 Site Administrative Status

The Site is owned by ACC Towers 1A, LLC, also known as Mana Art Center, LLC, and has realized numerous phases of environmental investigation and remediation as a result of the Industrial Site Recovery Act (ISRA) requirements. As such the Site has been assigned a NJDEP SRP ID# 015497, and has a New Jersey Department of Environmental Protection (NJDEP) Licensed Site Remediation Professional (LSRP) overseeing the remedial operations for the Site. This being said, the environmental investigation and remedial activities completed as part of the ISRA requirements include the soil and groundwater media, and do not specifically address the building interior and/or contents. Given this condition this *SIP* is an independent document produced for the USEPA, and is not associated with the NJDEP interactions for the Site.

4.0 PCB SIP HISTORIC NARRATIVE

It should be recognized by the reader that this *SIP* represents the third document generated to address the PCB impacted wood and concrete on Site. Previous documents were completed and submitted by Keystone E-Sciences Group, Inc., Frazer, Pennsylvania and included the following:

- *Self-Implementation PCB Remediation Plan (SIRP)* dated December 2012
- *Focused SIRP Addendum* dated May 15, 2013.

Each of the aforementioned documents focused on specific portion/phases of the project, for which the United States Environmental Protection Agency (USEAP) provided comment and/or approval. The following report sections provide summaries of the previous two (2) documents.

4.1 Self Implementation PCB Remediation Plan (SIRP) dated December 2012 - Summary

The *SIRP* provided a narrative history of the Sites development history, defined the sample location and protocol, summarized the analytical media results, presented the remedial approach, and presented the phased schedule for remediation implementation. A copy of the *SIRP* is included as *Appendix C* for reference.

The sections of the *SIRP* that are germane to this document include the media sampling laboratory analytical results, and the remedial approach, and are the focus of the following text.

4.1.1 SIRP Laboratory Analytical Results

The laboratory analytical results from the *SIRP* were summarized on Tables 9 & 10 of the *SIRP*, and are included as *Appendix D* of this document for ease of use. Effectively they depict that the wood block floor contains PCB concentrations that typically range from 0.5 mg/kg to

25.5 mg/kg, with one (1) sample location in the 40-50 mg/kg range, and one (1) sample in the 210-230 mg/kg range. The samples from the concrete underlying the wood block floor contains PCB concentrations that typically range from Non-Detected (ND) to 2.4 mg/kg, with two (2) sample locations in the 8.0-10.0 mg/kg range.

As stated in the *SIRP*, these results substantially identify that the wood block flooring is PCB impacted above the NJDEP Residential Direct Contact Soil Remediation Standard (RDCSRS), or the non-residential Direct Contact Soil Remediation Standard (NRDCSRS), while the underlying concrete floor is generally un-impacted.

The surficial wipe samples realized laboratory analytical results below the USEPA criteria of 10ug/100 cm2, with one (1) exception, effectively suggesting little PCB impacted airborne dust.

4.1.2 SIRP Objective and Remedial Approach

The remedial objective that was presented in the *SIRP* was consistent with the NJDEP guidance document titled Coordination of NJDEP and USEPA PCB Remediation Policies dated March 3, 2011 and 40 CFR 761.61.

The strategy stated that all wood and/or concrete media impacted with PCB concentrations 10 mg/kg or greater would be removed from the building, and disposed at an appropriately certified/licensed off-site disposal facility.

Wood and/or concrete media impacted with PCB concentrations 10 mg/kg or less would be retained on Site, and in place management tools would be implemented to limit access and exposure, effectively "capping" the material via the application of two contrasting colors of epoxy sealant.

4.1.3 Interim USEPA Interaction and Requirements - 2013

After the submission of the *SIRP* dated December 2012, KES and the USEPA interacted to review the Site conditions, investigation strategy, and the remedial approach for the project.

The discussion(s) completed in March 2013 resolved that walls and ceiling required sampling and analysis, and a reduced frequency was approved of 1 sample per 625 square feet of surface. A modified frequency was also approved for the concrete floors after the wood block removal of 1 sample per 2,500 square feet.

Additionally, the project remediation goals (RG) were confirmed as follows:

- >10.0 mg/kg material to be removed from the Site

- >1.0 mg/kg - 10.0 mg/kg
    - Non-Residential High Occupancy Use (USEPA)
    - >6.7 hours/week
    - Cap required [2 epoxy layers]

- 0.2 mg/kg – 1.0 mg/kg
    - Residential High Occupancy Use (USEPA)
      Non-residential Use with a Deed Notice (NJDEP)
    - no cap required
    - Unlimited hours/week

4.2 Focused SIRP Addendum dated May 15, 2013 - Summary

The *Focused SIRP Addendum* (*FSIRP-A*) provided an update to progress of the remediation on Site, detailed selected additional sampling laboratory analytical sampling results, and requested approval by the USEPA for the disposal of the

concrete impacted material (e.g. wood). A copy of the *FSIRP-A* is included as *Appendix E* for reference.

The remedial efforts were advanced in May 2013, and included the complete removal of all wood floor elements on the 7th floor, and the temporary storage of same in 1 cubic yard cardboard boxes on-site.

The disposal of these storage units was partially completed after USEPA approval of the proposed off-site disposal facility was received a correspondence dated 4 June 2013. *Appendix* B contains the USEPA approval documentation, while *Appendix G* contains the disposal records. The USEPA correspondence concurred with the *FSIRP-A* which had identified the material as non-hazardous, non-TSCA waste, ID13-Bulky-PCB contaminated Wood Block Flooring.

4.3 Supplemental Floor and Ceiling Sampling – July 2013

KES completed supplemental sampling of the concrete floor and concrete ceilings on the 2nd and 7th floors. This effort was completed to better understand the previously identified PCB concentrations observed in these areas. This information was discussed with the USEPA; however the datasets and figures have never been formally reported. The figures, including analytical results, are depicted on the Figures included in *Appendix F*.

In summary wipe samples, and concrete samples were collected. The wipe samples included concrete, and other building materials. These wipe samples are interpreted as being a screening tool for surface dust, however they are not interpreted to be indicative of the actual media characteristics. Therefore these wipe sample results are not utilized for the remedial strategy for the Site.

4.3.1 2nd Floor Concrete Floor Samples

The 2nd floor Post Wood Block Flooring Concrete Sampling locations are presented on Figure K, while the analytical results are presented on

Figure L (*Appendix F*). Effectively the results present PCB sample concentrations below 1.0 mg/kg.

4.3.2 7th Floor Concrete Floor Samples

The 7th floor Post Wood Block Flooring Concrete Sampling locations are presented on Figure D, while the analytical results are presented on Figure E (*Appendix F*). Effectively the results present PCB sample concentrations which are consistently between 0.7 mg/kg to 7.6 mg/kg. One (1) sample location (7-PX-FLR-13) has a concentration above 10.0 mg/kg, and is 12.5 mg/kg.

4.3.3 2nd Floor Concrete Ceiling Samples

The 2nd floor Concrete Ceiling Sample locations are presented on Figure H, while the analytical results are presented on Figure J (*Appendix F*). Effectively the results present PCB sample concentrations below 1.0 mg/kg. Three (3) sample locations (2-CLG-34-CH, 2-CLG-31-CH, 2-CLG-69-CH) depict concentrations of 1.3 mg/kg, 1.3 mg/kg, and 7.0 mg/kg respectively.

4.3.4 7th Floor Concrete Ceiling Samples

The 7th floor Concrete Ceiling Sample locations are presented on Figure A, while the analytical results are presented on Figure C (*Appendix F*). The results present PCB sample concentrations that range from 0.21 mg/kg to 50.2 mg/kg.

5.0 REVISED PCB MANAGEMENT STRATEGY CIRCA 2013

The revised remedial strategy to address the PCB impacts identified within Buildings 4 & 5 is designed to address the permanent remediation of PCBs for which the cleanup levels are based upon future Non-Residential High Occupancy Use scenarios that are identified in 40 CFR 761.61(a)4. To achieve this remediation goal, the proposed redevelopment/renovation of the structures, as described later in this document, plays a key role.

In effect, the redevelopment/renovation operations facilitate the removal of the PCB impacted media to permit the proposed use. The following report sections narrate the existing conditions, define the applicable redevelop operations that will be utilized, and define the material disposal operations. These proposed actions and strategies include Building 4 & 5, all floors inclusive.

5.1 Reassessment of Existing Site Conditions & Laboratory Data

The reassessment of the existing data sets permits a broad view of site conditions and how the proposed redevelopment strategy will appropriately address the PCB impacted materials, and off-site material management. Most specifically this reassessment is forwarded to reflect the known Site conditions wherein the wood block flooring is known to be PCB impacted, while the concrete flooring is identified to be only occasionally and minimally impacted.

5.1.1 Existing Data Set Narrative – Flooring

Effectively the media sampling (e.g. wood block floor, concrete) conducted as part of the *SIRP*, was completed to support a due diligence investigation. The *SIRP* supplemented previous sampling results completed by others, for which incidental PCB exceedances had been identified within the structure (e.g. Building 4 & 5).

The data generated by the *SIRP* operation does identify PCB being contained most specifically in the wood block flooring, with lesser frequency and concentration in the underlying concrete flooring.

The PCB concentrations in the wood block flooring typically range from 0.5 mg/kg to 25.2 mg/kg, with occasional samples in the 40-50 mg/kg range, and one outlier in the 210-230 mg/kg range.

The samples from the concrete underlying the wood block floor contain PCB concentrations that typically range from Non-Detected (ND) to 3.93 mg/kg, with occasional samples in the 10.0-11.0 mg/kg range. In fact the PCB concentrations in the concrete flooring are typically isolated only to those locations within the overlying wood block flooring that exhibit exceptionally high PCB concentrations.

The *Focused SIRP Addendum* dated May 15, 2013 was specifically focused on continued investigation of wood block flooring on several floors and specific areas within the structures. The results of this supplemental effort reflected similar concentrations to those identified in the *SIRP*, with no concentrations exceeding 50 mg/kg.

Supplemental concrete flooring samples were collected in July 2013 and were isolated to the 2nd and 7th floor of buildings 4 & 5. The results from the 2nd floor sampling event depicted PCB concentrations that were consistent with previous investigative results, and were below 1.0 mg/kg.

The 7th floor concrete sample results were generally below 10.0 mg/kg, and were interpreted to be typical and representative for the flooring conditions. Singular locations were slightly above the 10.0 mg/kg threshold.

5.1.2 Existing Data Set Narrative – Ceiling

The ceiling of the second and seventh floor were sampled as part of the supplemental concrete sampling operations completed in July 2013.

The 2nd floor Concrete Ceiling Sample analytical results present PCB sample concentrations typically below 1.0 mg/kg. Three (3) sample locations (2-CLG-34-CH, 2-CLG-31-CH, 2-CLG-69-CH) depict concentrations of 1.3 mg/kg, 1.3 mg/kg and 7.0 mg/kg respectively.

The 7th floor Concrete Ceiling Sample analytical results present PCB sample concentrations that range from 0.21 mg/kg to 50.2 mg/kg. These varied concentrations were discussed with the USEPA in July 2013, and the source of the PCB impacts is unknown. It is not generally typical for ceilings to be impacted by PCB's; therefore there is a strong consideration that the data sets may potentially represent biased sampling methods. Confirmation of the ceiling conditions is recommended, and addressed in later sections of this document.

5.2 Building Renovation Strategy Circa 2013

5.2.1 Future Building Utilization

According to the property owner's redevelopment strategy for the Site, the goal for reuse of Building 4 & 5 is as Non-Residential High Occupancy Use, for commercial storage space and/or art galleries.

5.2.2 Interior Demolition Strategy

To effectively comply with the Non-Residential High Occupancy Use classification, and be operationally efficient, the interior renovation will include the removal of all existing equipment, material, debris, defunct utilities (i.e. electric, plumbing, etc.) to offer an "open" unencumbered space. Inclusive to these operations, all wood flooring elements will be removed and disposed off-site, as described later in this document.

5.2.3 Interior Renovation Preparation

After the interior demolition is completed, the "open" unencumbered space will have the flooring assessed to ensure there are no obstructions. As noted in previous reports, selected portions of the concrete flooring realized raised areas "concrete islands" to accommodate previous operations and/or access points. These few selected uneven areas "concrete islands" will be removed to establish a uniform level floor condition. The material removed as part of this effort will be containerized and disposed off-site as non-hazardous, non-TSCA waste, ID13-Bulky-PCB contaminated concrete.

After the level floor conditions are achieved, the concrete flooring elements will be sandblasted and/or scarified. The purpose of the sandblasting/scarification is to provide a clean surface in preparation for final interior renovation. The material generated as part of the sandblasting/scarification will be containerized and disposed off-site as non-hazardous, non-TSCA waste, ID13-Bulky-PCB contaminated concrete.

5.2.4 Interior Renovation Finish

After the interior renovation preparation is completed, including the sandblasting/scarification, interior finishing and construction will be completed to provide a uniform finish.

The concrete flooring will be leveled as necessary, polished, after which an industrial sealer will be applied to realize the desired waterproof servable finish.

The walls and ceiling will be painted with industrial paint/coating to provide a uniform, sealed, painted surface.

5.3 PCB Impacted Wood Block Flooring Management Strategy

To accommodate the redevelopment strategy, all of the existing wood flooring will be removed in Buildings 4 & 5, (all floors) and disposed off-site. The disposal will be completed consistent with the previously approved characterization and disposal classification (as non-hazardous, non-TSCA waste, ID13-Bulky-PCB contaminated Wood Block Flooring) (*Appendix B*).

Given that the wood block flooring within the structure has realized extensive investigative and delineation testing as part of the implementation of the *SIRP* and the *Focused SIRP Addendum,* and has realized consistent laboratory analytical results, it is interpreted that additional investigation and/or delineation sampling would have no intrinsic value to the renovation operations or the material management operations. Therefore additional and/or supplemental sampling of the wood block flooring would be completed only if, at the discretion of the field engineers, visual observations of the flooring identified heavily stained areas not previously sampled, or should the disposal facility request additional sampling for their specific acceptance criteria, and or quality assurance/quality control requirements.

As of the date of this document, a material disposal acceptance approval letter was provided by the Gloucester County Improvement Authority (GCIA) on May 14, 2013 (*Appendix G*) for the wood block flooring material. While this is the primary disposal facility considered for off-site management of the material, coincident with the submission of this document additional disposal facilities other than GCIA are being considered for the off-site material management. These optional facilities are being considered as an effort to respond to market conditions, and find lesser costly disposal options. If/when another facility is identified that is appropriately licensed/certified for the proposed disposal operations and the character/classification of the material, said facility may be utilized. As part of the Remedial Action Report (RAR) which will memorialize the remedial operations, a copy of the acceptance approval letter will be included, as well as the disposal documentation (e.g. manifests, etc.).

5.4 Concrete Subfloor Management Strategy

To accommodate the redevelopment strategy the concrete flooring will realize improvements to facilitate its final use. These improvements will include the removal of the uneven areas and "concrete islands", leveling of the floor (if required via scarification), sandblasting/scarification, polishing, after which an industrial sealer will be applied to realize the desired waterproof serviceable finish.

Given that selected concrete samples collected as part of the *SIRP*, and *Focused SIRP Addendum,* have identified occasional PCB impacts with concentrations that typically range from Non-Detected (ND) to 2.4 mg/kg, supplemental samples are required to establish the post wood block flooring removal concrete conditions.

It is understood that KES and USEPA, in July 2013, discussed the post wood block flooring concrete sampling strategy. At that time it was resolved that the frequency would be one sample approximately every 2,500 square feet.

5.4.1 Revised Post Wood Block Flooring Concrete Sampling Strategies

As part of this document presentation, an alternate post wood block flooring concrete sampling strategy is proposed. The alternate frequency is based on a review and consideration of the previously collected PCB concrete sample data. To this end, the concrete flooring data sets for floors 1 – 6 present similar impacts and concentrations; while the data set for floor 7 presents a higher typical concentration character. Given this condition, two proposed sampling strategies are proposed, that for floors 1 – 6; and a separate strategy for floor 7.

5.4.1.1 Post Wood Block Flooring Concrete Sampling Strategy Floors 1-6

Most specifically as part of the *SIRP*, fourteen (14) concrete samples were collected from throughout all floors of the Buildings 4 & 5. Five (5) of the samples five (5) were non-detect, seven (7) samples were below 1.0 mg/kg, and two (2) samples were above 1.0 mg/kg (located on 7th floor). Effectively these suites of data express that 86% of the concrete samples (12 of 14 samples) were below the 1.0 mg/kg and represented floors 1-6.

The supplemental concrete flooring samples collected in July 2013 on the 2nd floor depicted PCB concentrations that were consistent with previous *SIRP* investigative results, and were below 1.0 mg/kg.

These conditions reinforce the previous conclusion that the wood block flooring retains the PCB impacts rather than the underlying concrete. Therefore, an amended post wood block flooring concrete sampling frequency of one (1) sample every 10,000 square feet, with a minimum of six (6) samples per floor, is proposed.

These concrete samples will include selected biased to locations where the overlying wood block floor had previously evidence high PCB concentrations. If there are not enough elevated wood block samples to accommodate the six (6) samples per floor frequency, additional selected random sample locations may be required.

In addition to the aforementioned six (6) samples, supplemental biased samples will be collected from the former "concrete island" locations that are removed. The number and location of the samples will be biased to the field observed conditions.

The concrete floor samples will be collected after the wood block flooring has been removed, and after the sandblasting/scarification has been completed as part of the renovation operations.

Table 1 summarizes the proposed concrete floor samples.

Figures 3 (1st Floor), 4 (2nd Floor), 5 (3rd Floor), 6 (4th Floor), 7 (5th Floor), 8 (6th Floor) identify the proposed sample locations for the post wood block concrete samples.

5.4.1.2 Post Wood Block Flooring Concrete Sampling Strategy for Floor 7

The *SIRP* identified two (2) concrete samples contained PCB at concentrations above 1.0 mg/kg. The supplemental concrete flooring samples collected in July 2013 on the 7th floor depicted concrete floor sample PCB concentrations that were between ND and 12.5 mg/kg.

These conditions reflect a different character to the concrete flooring on the 7th floor, as compared to floors 1-6. Therefore, an amended post wood block flooring concrete sampling frequency of one (1) sample every 2,000 square feet, with a minimum of twelve (12) samples is proposed.

Supplementing these samples will be purpose specific sampling for the delineation of concrete sample 7-PX-FLR-13, which was identified to contain 12.5 mg/kg PCB. It is the intent of this sampling to delineate this location for remediation, for which the means/methods are described in latter sections of this document.

In addition to the aforementioned twelve (12) samples, supplemental biased samples will be collected from the former

"concrete island" locations that are removed. The number and location of the samples will be biased to the field observed conditions.

The concrete floor samples will be collected after the wood block flooring has been removed, and after the sandblasting/scarification has been completed as part of the renovation operations.

Table 1 summarizes the proposed concrete floor samples.

Figure 9 (7th Floor) identifies the proposed sample locations for the post wood block concrete samples

5.4.2 Remedial Concrete Remediation

Remedial concrete remediation is proposed for those samples/locations, identified from either the *SIRP*, and/or via the post wood block flooring concrete sampling, which exhibit concentrations above 1.0 mg/kg.

It is the intent of the proposed concrete remediation to address each of these designated locations in an effort to reduce the observed concentration to levels below 1.0 mg/mg, and therein eliminate the need for a Cap (2 epoxy layers). Effectively the remediated areas with PCB concentrations below 1.0 mg/kg could be permissible for Residential High Occupancy Use (USEPA) and Non-residential Use with a Deed Notice (NJDEP), if desired.

Implementation of the proposed remediation would be implemented only after the concrete samples identified in report Sections 5.4.1.1 & 5.4.1.2 are reviewed/assessed. Implementation would be considered if said samples revealed elevated PCB impacts to the concrete (>1.0 mg/kg). If said condition exists, delineation via the means/methods outlined in 40 CFR 761.280 (Subpart O-Sampling to Verify Completion of Self

Implementing Cleanup and on-site Disposal of Bulk PCB Remediation Waste and Porous Surfaces in Accordance with 761.71 (a)(6), would be implemented.

After delineation was completed to levels below 1.0 mg/kg, the defined areas would be remediated via solvent washing, or scarification.

After remediation was completed, post remedial samples would be collected to confirm the remedial efforts. The post remedial samples would be collected via the means/methods outlined in 40 CFR 761.280 (Subpart O-Sampling to Verify Completion of Self Implementing Cleanup and on-site Disposal of Bulk PCB Remediation Waste and Porous Surfaces in Accordance with 761.71 (a)(6)).

This process would be repeated until all post remedial samples are below the 1.0 mg/kg limit.

Should however, Site conditions, access, or other factors prevent the aforementioned successful remediation to levels below 1.0 mg/kg; the minimum threshold desired for remediation would be 10.0 mg/kg. As a result all delineated areas between 1.0 - 10.0 mg/kg would be classified as Non-Residential High Occupancy Use (USEPA), and required a Cap [2 epoxy layers].

All materials and waste generated as part of the remediation will be containerized and disposed off-site as non-hazardous, non-TSCA waste, ID13-Bulky-PCB contaminated concrete.

5.5 Ceiling Management Strategy

The walls and ceiling of the second and seventh floor were sampled as part of the investigative operations, and the results of the limited sampling investigation identified PCB concentrations that were generally focused between 1.0 mg/kg

and 25.4 mg/kg, with isolated samples ranging up to 50.2 mg/kg. KES and the USEPA agree the source of the PCB concentrations is unknown. Given this condition the remedial strategy for these areas includes a phased approach, wherein the results of each preceding phase aid in defining the direction and strategy for the following phase(s). The following sub sections provide the likely phases and chronology that will be encountered.

5.5.1 Ceiling Conditions Confirmation

The first phase of the remedial strategy will be to reacquire the previously completed ceiling sample locations on floors 2 & 7, and collect supplemental samples. This effort will be completed to confirm the ceiling conditions, and determine if the previous results were outliers or abnormalities.

The remaining floors (1, 3, 4, 5, 6) in each of the Building 4 & 5 will realize selected, random sample locations as an investigative screening tool to determine if additional PCB impacts are present. It is anticipated that four (4) samples will be collected per floor, and the locations will be dependent upon visual observations and sample location access. Given the random location profile, no figure is provided for these samples.

The results of this confirmation sampling and investigative sampling event will be assessed, and based on these results; the subsequent phases of the remedial strategy would be implemented.

Table 2 summarizes the proposed ceiling concrete samples.

Figures 10 & 11 reflects the proposed ceiling sampling locations for Floors 2 & 7.

The subsequent phases of the remedial strategy will be dependent upon the concentrations realized during the sampling event, as well as sample location, and intended use of the identified area. It should be recognized

that the intended use and remedial goal for the project is Non-Residential High Occupancy Use (USEPA). This designation, coupled with the consideration that the ceilings are 14.0 – 20.0 feet in height, represent a condition wherein it is exceptionally likely that no interaction and/or use of the ceilings will be likely by the owner and/or tenants of the space.

5.5.2 Ceiling Concrete Remedial Action Options

The remedial action opportunities for the ceiling will be based on PCB concentrations, and will include the following potential options:

A. If the PCB concentrations are realized below 1.0 mg/kg no additional operations would be required.

B. If the PCB concentrations are realized between 1.0 – 10.0 mg/kg, delineation of the area to levels below 1.0 mg/kg will be completed. The delineation would be collected via the means/methods outlined in 40 CFR 761.280 (Subpart O-Sampling to Verify Completion of Self Implementing Cleanup and on-site Disposal of Bulk PCB Remediation Waste and Porous Surfaces in Accordance with 761.71 (a)(6).

   After delineation is successful the area may be classified as Non-Residential High Occupancy Use (USEPA), and required a Cap [2 epoxy layers].

C. If the PCB concentrations are realized above 10.0 mg/kg, delineation of the area to levels below 1.0 mg/kg will be completed. The delineation would be collected via the means/methods outlined in 40 CFR 761.280 (Subpart O-Sampling to Verify Completion of Self Implementing Cleanup and on-site Disposal of Bulk PCB Remediation Waste and Porous Surfaces in Accordance with 761.71 (a)(6). After delineation is successful, one of two remedial strategies may be employed.

I. The area may be remediated via solvent washing, or sandblasting/scarification. After remediation was completed, post remedial samples would be collected to confirm the remedial efforts. The post remedial samples would be collected via the means/methods outlined in 40 CFR 761.280 (Subpart O-Sampling to Verify Completion of Self Implementing Cleanup and on-site Disposal of Bulk PCB Remediation Waste and Porous Surfaces in Accordance with 761.71 (a)(6). The goal of the remedial efforts would be to achieve concentrations of 10.0 mg/kg or lower, where after one of the aforementioned remedial strategies may be implemented.

II. The area may be remediated via the installation of a Cap [2 epoxy layers], as well as construction of physical barriers to prevent incidental access to the delineated area above 10.0 mg/kg. The physical barrier may include drop ceiling, or applications onto/over the identified area.

The material generated as part of the remedial efforts will be containerized and disposed off-site as non-hazardous, non-TSCA waste, ID13-Bulky-PCB contaminated concrete.

6.0 OFF-SITE MATERIAL DISPOSAL/MANAGEMENT FACILITIES

6.1 USEPA Hazardous Waste ID Number

Pursuant to 40 CFR 768, a USEPA hazardous waste ID number is not required for transportation and/or disposal of the PCB impacted material. This being said, the property owner/responsible party will utilize manifests to formalize material tracking for documentation purposes.

6.2 Impacted Non-Hazardous Off-Site Material Management

The materials that are categorized as *non-Hazardous*, meaning they have constituents above applicable NJDEP criteria including SRS (residential and/or non-residential), but below the USEPA 50 mg/kg designation as *TSCA Impacted* PCB material, will be transported to a licensed landfill for off-Site disposal as non-hazardous, non-TSCA waste, ID13-Bulky-PCB contaminated Wood Block Flooring/material, or ID13-Bulky-PCB contaminated concrete.

The designated facility for receipt of this classification of material is the Gloucester County Improvement Authority (GCIA) (*Appendix G*). While this is the primary disposal facility considered for off-site management of the material, coincident with the submission of this document additional disposal facilities other than GCIA are being considered for the off-site material management. These optional facilities are being considered as an effort to respond to market conditions, and find lesser costly disposal options. If/when another facility is identified that is appropriately licensed/certified for the proposed disposal operations and the character/classification of the material, said facility may be utilized.

6.3 TSCA Impacted Off-Site Material Management

Materials that are categorized as *TSCA Impacted*, meaning they have constituents above applicable NJDEP criteria including SRS (residential and/or non-residential), and above the United States Department of Environmental

Protection (USEPA) 50 mg/kg designation as *TSCA Impacted* material, will be transported to a licensed landfill for off-Site disposal.

Based on the existing data sets, wood block positioned proximal to sample T5-WB-61 has been identified to have PCB concentrations above the 50 mg/kg threshold. Therefore the wood block represented by this sample, and delineated by the following samples, will be managed as TSCA waste:

- T5-WB-203
- T5-WB-204
- T5-WB-201
- T5-6-WB-202

A designated facility for receipt of this classification of material has not been determined as of the date of this document, but will likely be Waste Management, Emelle Treatment Facility, Emelle, Alabama (TSCA Permit# ALD 000 622 464 (*Appendix H*).

7.0 CONCRETE PROCESS MACHINERY DECONTAMINATION

7.1 Demolition Equipment Cleaning

Coincident with the final impacted PCB concrete management operations (i.e. material load out), the equipment (i.e. trackhoe, wheeled loader, skid steer, hand shovel, etc.) utilized during the sampling, sandblasting or remediation phases of the project that was in contact with known PCB containing concrete will be manually cleaned (i.e. brushes) including the removal of visible residual material (i.e. material in tracks, particulates, dust). Said cleaning will be complete in a temporary designated area which is underlain by 6 mil plastic and constructed to retain any material resulting from the manual cleaning.

After residual material removal operations, the equipment will be decontaminated per 40 CFR Part 761.79(c)(2) Self-Implementation decontamination procedures. These mechanisms will be utilized because no free-flowing mineral oil dielectric fluid (MODEF) will be encountered during the sampling, sandblasting or remediation operations. Given this consideration, the equipment that was utilized, and in contact with known PCB containing concrete, will be wiped/swapped with performance-based organic decontamination fluid (PODF) soaked swabs/rags. The PODF likely to be utilized will include either kerosene or diesel fuel.

All materials utilized for the decontamination processes including the underlain plastic, residual material, swabs/rags, PPE will be containerized and processed for off-Site management.

Per 40 CFR Part 761.79(c)(2), no post decontamination sampling of the moveable equipment is required. However photo documentation of the pre and post decontamination processes will be completed, and retained for three (3) years.

8.0 CONCRETE MANAGEMENT DOCUMENTATION

8.1 Reporting

After the demolition operations are completed, and the concrete materials have been managed as described herein, a final document (Remedial Action Report) will be generated which will memorialize the supplemental concrete delineation efforts proposed herein, and record the disposition of the concrete including off-Site disposal.

9.0 PROJECT SCHEDULE

A project schedule is provided as *Appendix I*.

10.0 CONTINGENCIES

It is the purpose and intent of the wood block floor removal operations, and the selected concrete remedial efforts, to address each of the PCB impacted areas so as any PCB impacted material >10.0 mg/kg material to be removed from the Site. PCB impacted materials that remain on the site will be addressed based on their concentrations as follows:

- >1.0 mg/kg - 10.0 mg/kg
  - Non-Residential High Occupancy Use (USEPA)
  - >6.7 hours/week
  - Cap required [2 epoxy layers]

- 0.2 mg/kg – 1.0 mg/kg
  - Residential High Occupancy Use (USEPA)
    Non-residential Use with a Deed Notice (NJDEP)
  - no cap required
  - Unlimited hours/week

Given the aforementioned goals, it is not anticipated that any problems will be encountered. This being said, should obstacles and/or challenges be encountered during the material removal, or remedial processes, the following basic steps will be implemented:

1. Identify the problem
2. Determine if said problem is in an area that contains known PCB impacted materials
3. If said area <u>does not</u> contain known PCB impacted material, resolve conditions without concern regarding the *SIP*
4. If said area <u>does</u> contain known PCB impacted material, material management operations related to the specific area are to be temporarily suspended
5. Determine the actions required to continue the material removal, or remedial processes demolition.
6. Determine if said actions will affect the remedial strategy for those designated areas

7. If a change to proposed management efforts provided in the *SIP* is realized, then continue with selected resolution method
8. If a change to proposed management efforts identified in the *SIP* is identified, then temporarily suspended said selected operations and communicate with the USEPA
9. Communication with the USEPA is for the purposes of providing information and notification of the required operational changes to address the identified conditions. Said changes may present an alternative method(s) not originally contained in the *SIP*
10. Resumption of operations in the affected area, utilizing the proposed alternative methods will continue after a five (5) working day waiting period, or after USEPA approval, whichever is first

Table 1
Supplemental SIP II
Concrete Sampling - Floors

Sample ID	Building Floor	Media	Purpose					
FL-1-WB-41	1	wood						
FL-1-CH-41A	1	concrete	Post Wood Block Flooring Concrete Samples					
FL-1-WB-97	1	wood						
FL-1-CH-97A	1	concrete	Post Wood Block Flooring Concrete Samples					
FL-1-WB-100	1	wood						
FL-1-Ch-100A	1	concrete	Post Wood Block Flooring Concrete Samples					
T4-1-CH-500	1	concrete	Random sample locations					
T5-1-CH-501	1	concrete	Random sample locations					
T4-1-CH-502	1	concrete	Random sample locations					
T5-1-CH-CI1	1	concrete	post concrete island confirmation sample					
T5-2-WB-34	2	wood						
T5-2-CH-34A	2	concrete	Post Wood Block Flooring Concrete Samples					
T4-2-WB-37	2	wood						
T4-2-CH-37A	2	concrete	Post Wood Block Flooring Concrete Samples					
T4-2-WB-91	2	wood						
T4-2-CH-91A	2	concrete	Post Wood Block Flooring Concrete Samples					
T4-2-WB-93	2	wood						
T4-2-Ch-93A	2	concrete	Post Wood Block Flooring Concrete Samples					
T5-2-CH-500	2	concrete	Random sample locations					
T5-2-CH-501	2	concrete	Random sample locations					
T5-2-CH-502	2	concrete	Random sample locations					
T5-2-CH-CI1	2	concrete	post concrete island confirmation sample					
T4-3-WB-67	3							
T4-3-Ch-67A	3	concrete	Post Wood Block Flooring Concrete Samples					
T4-3-WB-69	3							
T4-3-CH-69A	3	concrete	Post Wood Block Flooring Concrete Samples					
T4-3-WB-71	3							
T4-3-CH-71A2	3	concrete	Post Wood Block Flooring Concrete Samples					
T5-3-WB-85	3							
T5-3-CH-85A	3	concrete	Post Wood Block Flooring Concrete Samples					
T5-3-WB-87	3							
T5-3-CH-87A	3	concrete	Post Wood Block Flooring Concrete Samples					
T5-3-WB-89	3							
T5-3-CH-89A	3	concrete	Post Wood Block Flooring Concrete Samples					
T5-3-CH-CI1	3	concrete	post concrete island confirmation sample					

Table 1
Supplemental SIP II
Concrete Sampling - Floors

T4-4-WB-66	4							
T4-4-CH-66A	4	concrete	Post Wood Block Flooring Concrete Samples					
T4-4-WB-74	4							
T4-4-CH-74A	4	concrete	Post Wood Block Flooring Concrete Samples					
T4-4-WB-83	4							
T4-4-CH-83A	4	concrete	Post Wood Block Flooring Concrete Samples					
T5-4-WB-64	4							
T5-4-CH-64A	4	concrete	Post Wood Block Flooring Concrete Samples					
T5-4-CH-500	4	concrete	Random sample locations					
T5-4-CH-501	4	concrete	Random sample locations					
T5-4-CH-CI1	4	concrete	post concrete island confirmation sample					
T4-5-WB-10	5							
T4-5-CH-10A	5	concrete	Post Wood Block Flooring Concrete Samples					
T5-5-WB-76	5							
T5-5-CH-76A	5	concrete	Post Wood Block Flooring Concrete Samples					
T5-5-WB-78	5							
T5-5-CH-78A	5	concrete	Post Wood Block Flooring Concrete Samples					
T5-5-WB-80	5							
T5-5-CH-80A	5	concrete	Post Wood Block Flooring Concrete Samples					
T4-5-CH-500	5	concrete	Random sample locations					
T4-5-CH-501	5	concrete	Random sample locations					
T5-5-CH-CI1	5	concrete	post concrete island confirmation sample					
T4-6-WB-6	6							
T4-6-CH-6A	6	concrete	Post Wood Block Flooring Concrete Samples					
T4-6-WB-62	6							
T4-6-CH-62A	6	concrete	Post Wood Block Flooring Concrete Samples					
T4-6-WB-82	6							
T4-6-CH-82A	6	concrete	Post Wood Block Flooring Concrete Samples					
T5-6-WB-5	6							
T5-6-CH-5A	6	concrete	Post Wood Block Flooring Concrete Samples					
T5-6-WB-60	6							
T5-6-CH-60A	6	concrete	Post Wood Block Flooring Concrete Samples					
T5-6-WB-61	6							
T5-6-CH-61A	6	concrete	Post Wood Block Flooring Concrete Samples					
T4-6-CH-500	6	concrete	Random sample locations					
T5-6-CH-501	6	concrete	Random sample locations					
T5-6-CH-CI1	6	concrete	post concrete island confirmation sample					
T4-7-CH-1A	7	concrete	supplemental 1/2000 square feet					
T4-7-CH-2A	7	concrete	supplemental 1/2000 square feet					
T4-7-CH-3A	7	concrete	supplemental 1/2000 square feet					
T4-7-CH-4A	7	concrete	supplemental 1/2000 square feet					
T4-7-CH-5A	7	concrete	supplemental 1/2000 square feet					
T5-7-CH-1A	7	concrete	supplemental 1/2000 square feet					
T5-7-CH-2A	7	concrete	supplemental 1/2000 square feet					

Table 1
Supplemental SIP II
Concrete Sampling - Floors

T5-7-CH-3A	7	concrete	supplemental 1/2000 square feet			
T5-7-CH-4A	7	concrete	supplemental 1/2000 square feet			
T5-7-CH-5A	7	concrete	supplemental 1/2000 square feet			
T5-7-CH-6A	7	concrete	supplemental 1/2000 square feet			
T5-7-CH-7A	7	concrete	supplemental 1/2000 square feet			
7-PX-FLR-13A	7	concrete	7-PX-FLR-13 delienation sample			
7-PX-FLR-13B	7		7-PX-FLR-13 delienation sample			
7-PX-FLR-13C	7		7-PX-FLR-13 delienation sample			
7-PX-FLR-13D	7		7-PX-FLR-13 delienation sample			
T5-7-CH-CI1	7	concrete	post concrete island confirmation sample			

NOTES:

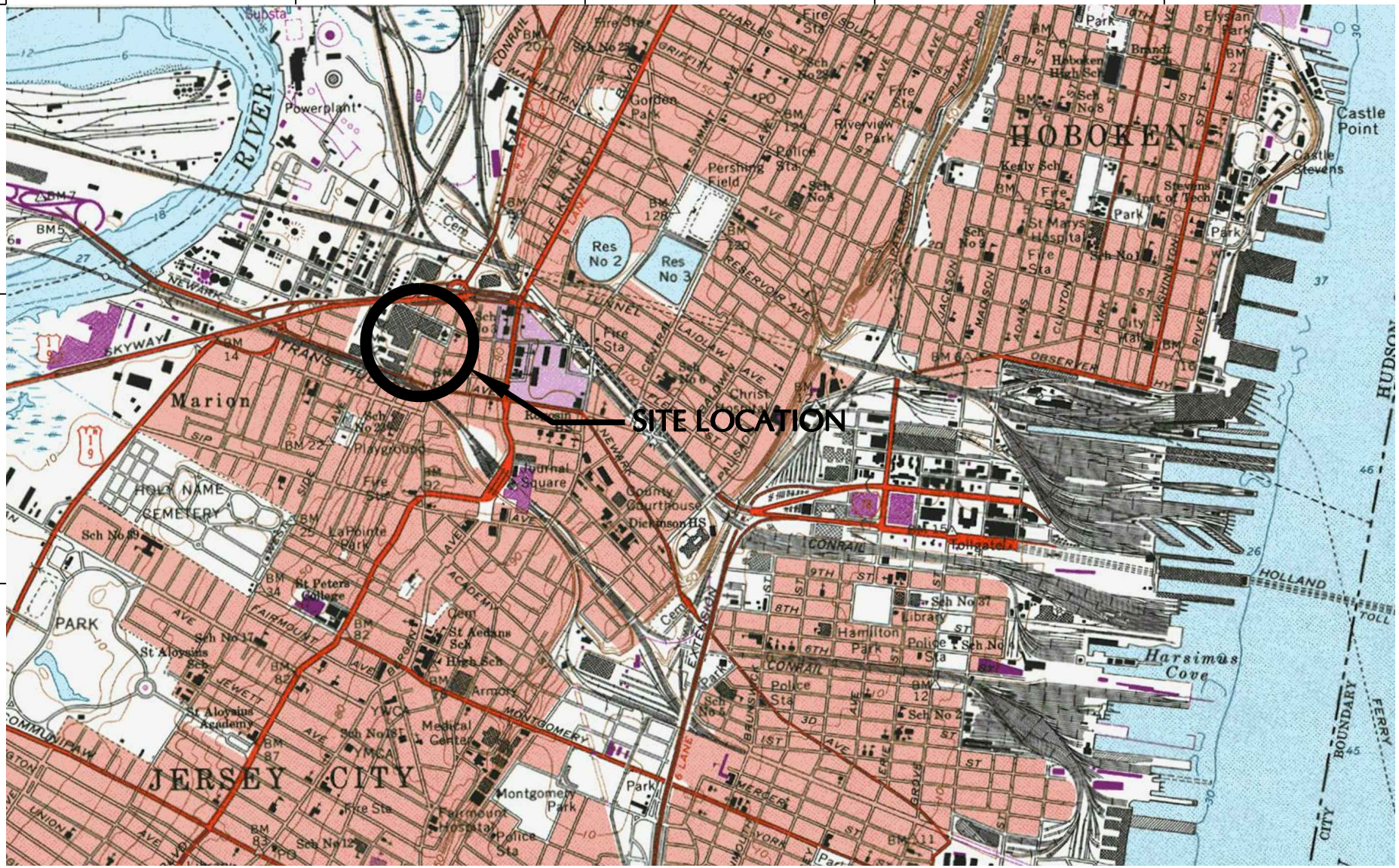
FL-1-WB-41	Shaded samples represent the present or former wood block sample locations collected by KES in the SIRP, or F-SIRP.
	The companion un-bolded samples represent the proposed *Post Wood Block Flooring Concrete Samples* , and are positioned immediately below the former elevated wood block sample locations.
	The companion samples are intended to reflect the existing concrete conditions, and compare same to the revised concrete remediation strategy.
	These samples may be required to achieve the proposed six (6) sample per floor Revised Post Wood Block Flooring Concrete Sampling Strategy
Random sample location	
Sample Nomenclature	
	tower-floor-type of sample-sample number-type of sample
	T5-2-CH-34A
	Tower 5-floor 2-chip concrete sample-sample number 34A

Table 2
Supplemental SIP II
Concrete Sampling - Ceiling

Sample ID	Building Floor	Purpose
T4-1-CEL-1	1	Ceiling investigation
T4-1-CEL-2	1	Ceiling investigation
T5-1-CEL-1	1	Ceiling investigation
T5-1-CEL-2	1	Ceiling investigation
T5-2-CEL-34A	2	Ceiling investigation
T4-2-CEL-58A	2	Ceiling investigation
T4-2-CEL-69A	2	Ceiling investigation
T4-3-CEL-1	3	Ceiling investigation
T4-3-CEL-2	3	Ceiling investigation
T5-3-CEL-1	3	Ceiling investigation
T5-3-CEL-2	3	Ceiling investigation
T4-4-CEL-1	4	Ceiling investigation
T4-4-CEL-2	4	Ceiling investigation
T5-4-CEL-1	4	Ceiling investigation
T5-4-CEL-2	4	Ceiling investigation
T4-5-CEL-1	5	Ceiling investigation
T4-5-CEL-2	5	Ceiling investigation
T5-5-CEL-1	5	Ceiling investigation
T5-5-CEL-2	5	Ceiling investigation
T4-6-CEL-1	6	Ceiling investigation
T4-6-CEL-2	6	Ceiling investigation
T5-6-CEL-1	6	Ceiling investigation
T5-6-CEL-2	6	Ceiling investigation
T4-7-CEL-41A	7	Ceiling investigation
T4-7-CEL-45A	7	Ceiling investigation
T4-7-CEL-53A	7	Ceiling investigation
T5-7-CEL-13A	7	Ceiling investigation
T5-7-CEL-22A	7	Ceiling investigation
T5-7-CEL-30A	7	Ceiling investigation

NOTES:

Sample Nomenclature — All CEL ceiling samples are concrete chip
tower-floor-location (e.g. ceiling)-sample number
T4-3-CEL-2
Tower 4-3rd floor-ceiling-sample 2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JERSEY CITY
Marion
Harsimus Cove
Castle Point
Castle Stevens
Res No 2
Res No 3
Powerplant
Pershing Field
Riverview Park
Gordon Park
Journal Square
County Courthouse
Dickinson HS
Hamilton Park
Lincoln Park
Elysian Park
Stevens Inst of Tech
St Marys Hospital
City Hall
Hoboken High Sch
Kelly Sch
Brandt Sch
Christ Hospital
Fire Sta
Police Sta
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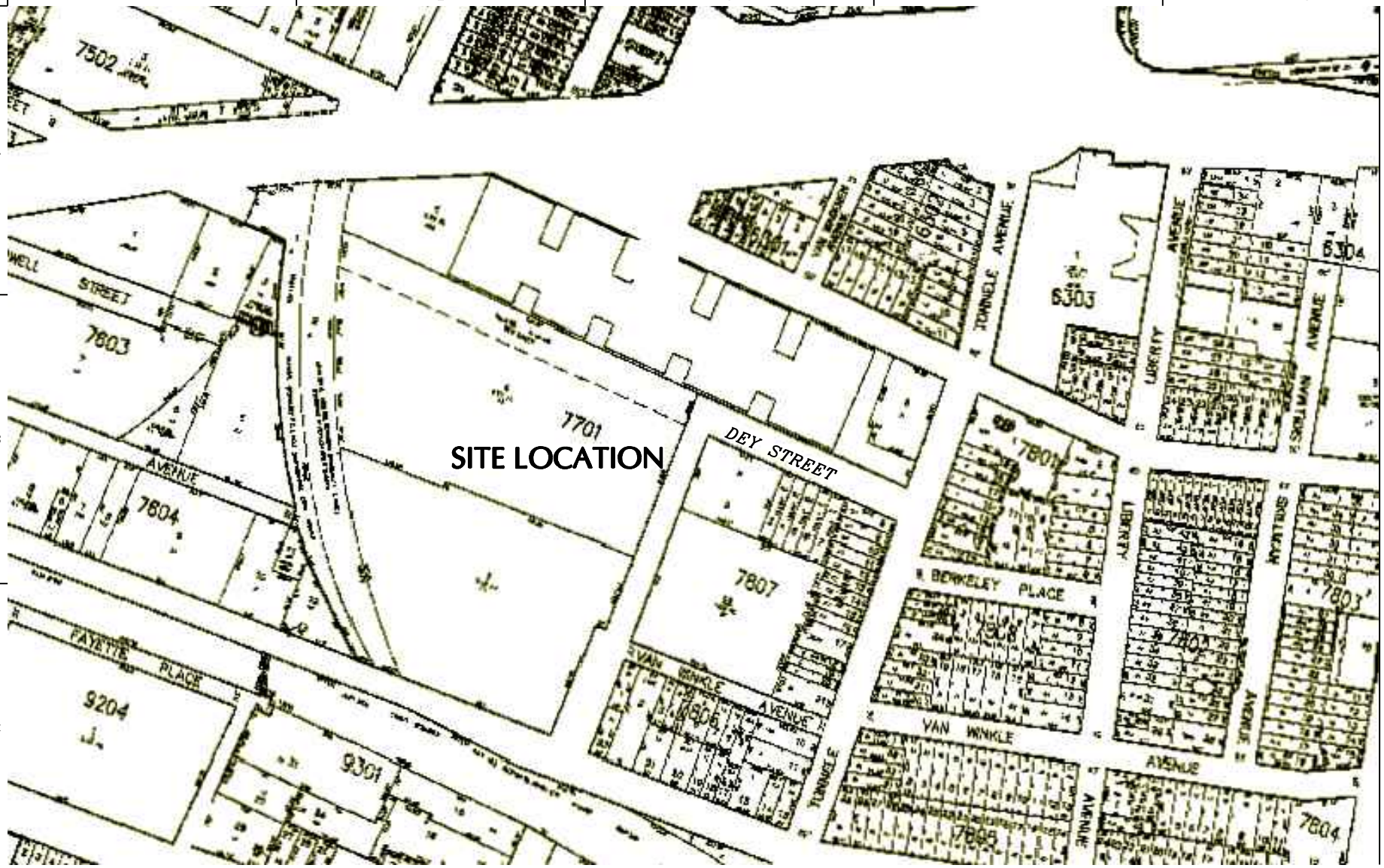

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Langan CT, Inc.
Langan International LLC
Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project

MANA ART CENTER, LLC 50 DEY STREET

BLOCK No. 7701, LOT No. 5
NJDEP ISRA# E20020126-M02
JERSEY CITY
HUDSON COUNTY **NEW JERSEY**

Drawing Title

MUNICIPAL TAX MAP

Project No. 100412101	Drawing No. 2
Date –	
Scale nts	
Drawn By / Checked By	
Submission Date	Sheet ### of ###

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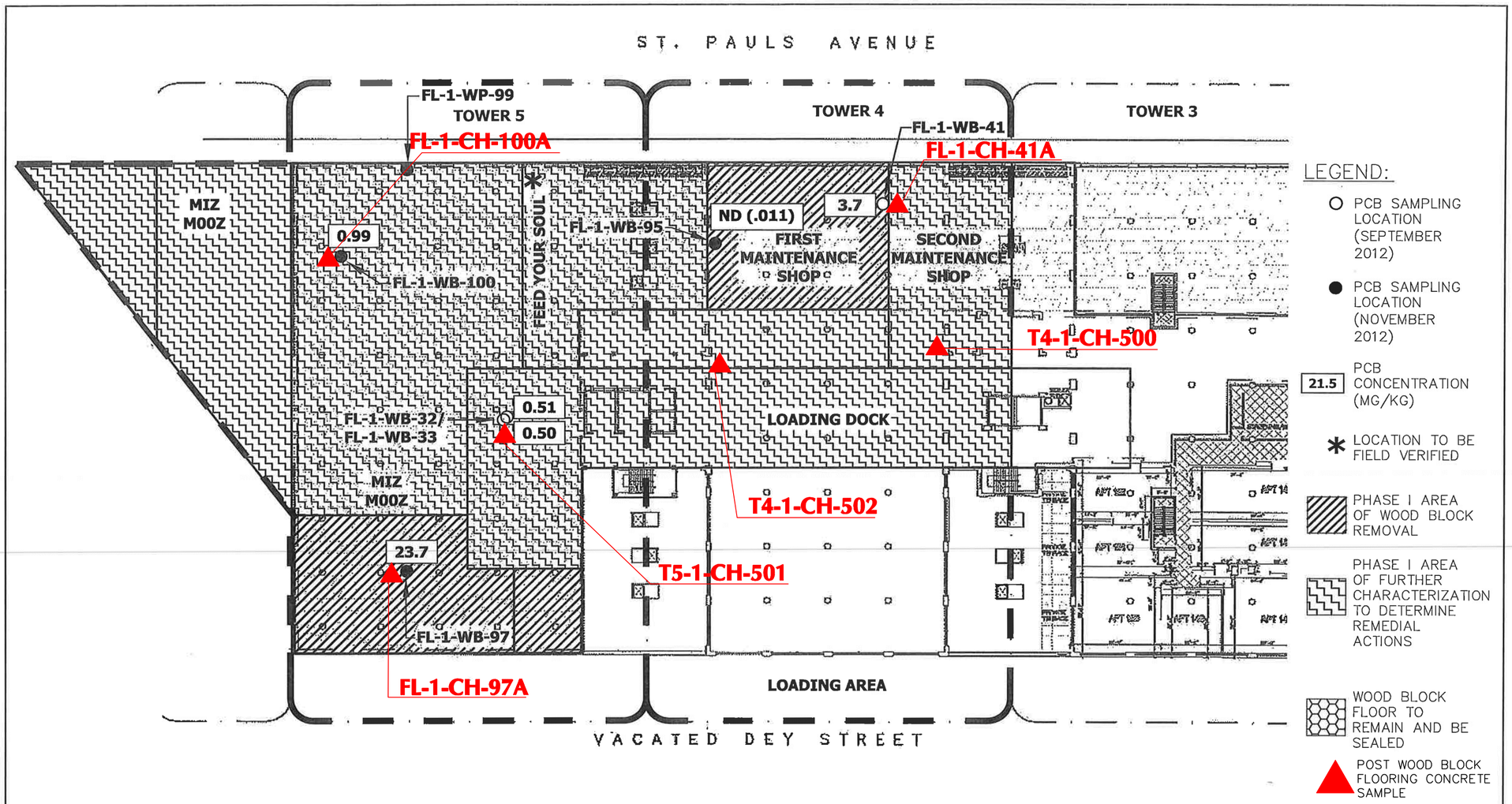

LEGEND:

- ○ PCB SAMPLING LOCATION (SEPTEMBER 2012)
- ● PCB SAMPLING LOCATION (NOVEMBER 2012)
- 21.5 PCB CONCENTRATION (MG/KG)
- * LOCATION TO BE FIELD VERIFIED
- PHASE I AREA OF WOOD BLOCK REMOVAL
- PHASE I AREA OF FURTHER CHARACTERIZATION TO DETERMINE REMEDIAL ACTIONS
- WOOD BLOCK FLOOR TO REMAIN AND BE SEALED
- ▲ POST WOOD BLOCK FLOORING CONCRETE SAMPLE

NOTES:

(1) NOT TO SCALE.

(2) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES SEPTEMBER THROUGH NOVEMBER 2012.

50 DEY STREET COMPLEX
JERSEY CITY, NEW JERSEY

FIGURE 16	PROJECT #12038

PHASE I REMEDIATION
FIRST FLOOR – TOWERS 4 AND 5

SELF–IMPLEMENTING
PCB REMEDIATION PLAN
DECEMBER 2012

KEYSTONE E-SCIENCES GROUP
FRAZER, PENNSYLVANIA

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Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan
NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
MANA ART CENTER, LLC
50 DEY STREET
BLOCK No. 7701, LOT No. 5
NJDEP ISRA# E20020126-M02
JERSEY CITY
HUDSON COUNTY NEW JERSEY

Drawing Title
1st FLOOR PROPOSED POST WOOD BLOCK FLOORING CONCRETE SAMPLES

Project No. 100412101	Drawing No. 3
Date 12/2/2013	
Scale NTS	
Drawn By OD	
Submission Date	Sheet 1 of 1

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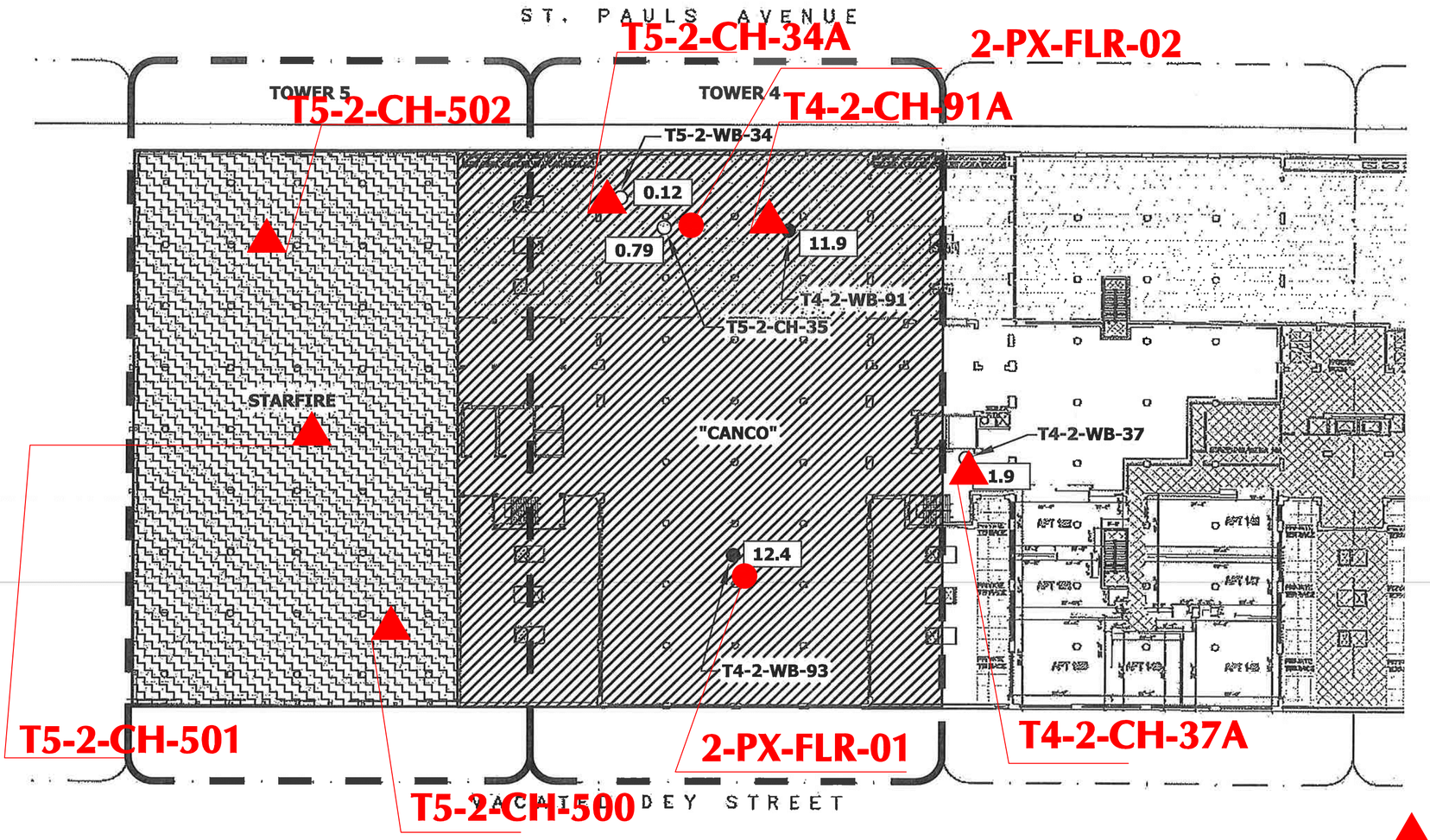
Filename: \\langan.com\data\EP\data1\100412101\Cadd Data - 100412101\SheetFiles\2013-12 Proposed samples 1st Floor Fig 3.dwg Date: 12/4/2013 Time: 09:48 User: oderderian Style Table: Langan.stb Layout: ARCHC-BL

LANGAN PROJECT No. 100412101



LEGEND:

- ○ PCB SAMPLING LOCATION (SEPTEMBER 2012)
- ● PCB SAMPLING LOCATION (NOVEMBER 2012)
- 21.5 PCB CONCENTRATION (MG/KG)
- ✱ LOCATION TO BE FIELD VERIFIED
- PHASE I AREA OF WOOD BLOCK REMOVAL
- PHASE I AREA OF FURTHER CHARACTERIZATION TO DETERMINE REMEDIAL ACTIONS
- WOOD BLOCK FLOOR TO REMAIN AND BE SEALED
- ▲ PROPOSED WOOD BLOCK FLOORING CONCRETE SAMPLE

NOTES:

(1) NOT TO SCALE.

(2) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES SEPTEMBER THROUGH NOVEMBER 2012.

50 DEY STREET COMPLEX
JERSEY CITY, NEW JERSEY

FIGURE 15	PROJECT #12038

PHASE I REMEDIATION
SECOND FLOOR – TOWERS 4 AND 5

SELF–IMPLEMENTING
PCB REMEDIATION PLAN
DECEMBER 2012

KEYSTONE E-SCIENCES GROUP
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NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
MANA ART CENTER, LLC
50 DEY STREET
BLOCK No. 7701, LOT No. 5
NJDEP ISRA# E20020126-M02
JERSEY CITY
HUDSON COUNTY NEW JERSEY

Drawing Title
2nd FLOOR PROPOSED POST WOOD BLOCK FLOORING CONCRETE SAMPLES

Project No. 100412101	Drawing No. 4
Date 12/2/2013	
Scale NTS	
Drawn By OD	
Submission Date	Sheet 1 of 1

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PROJECT No. 100412101

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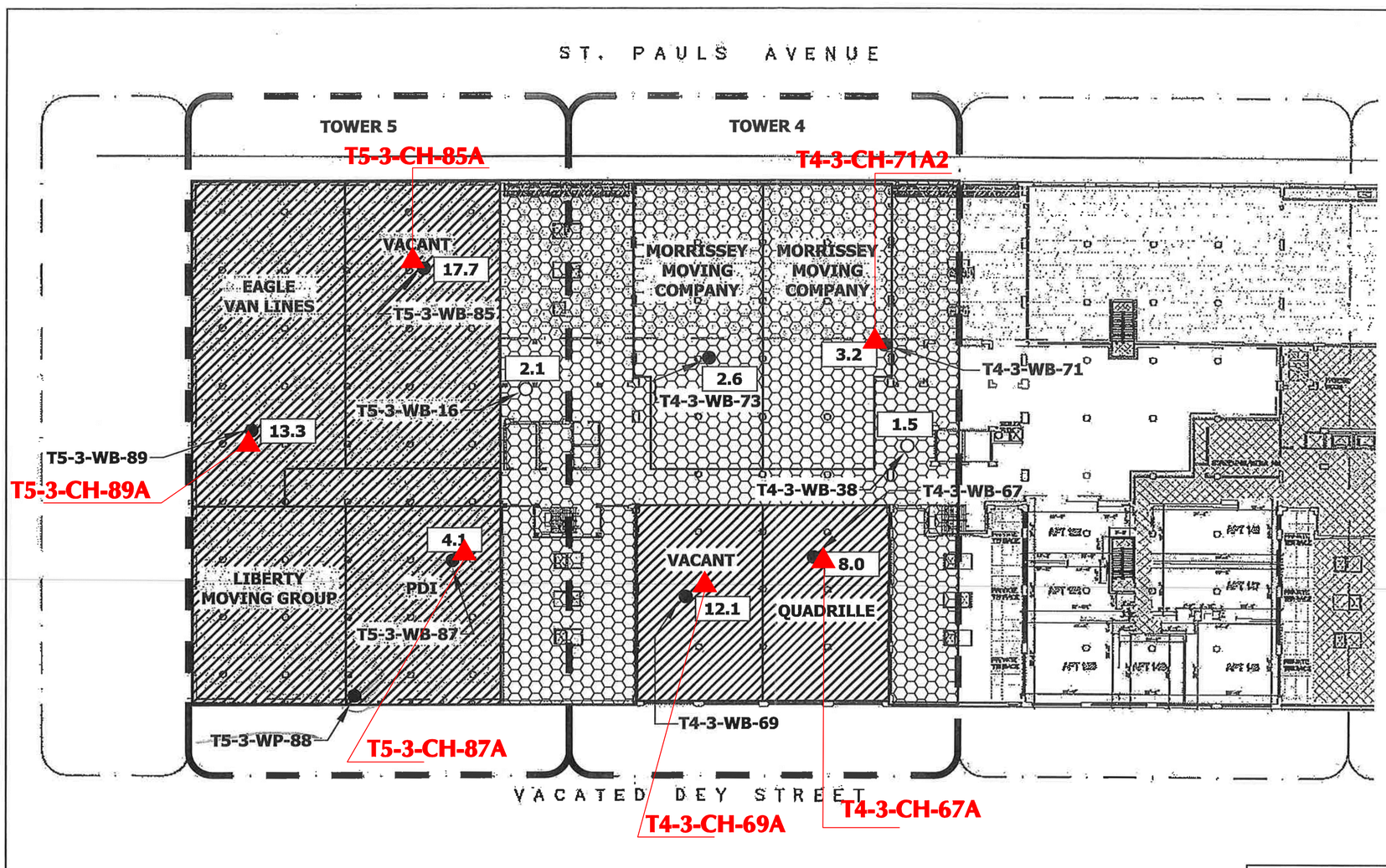

LEGEND:

- ○ PCB SAMPLING LOCATION (SEPTEMBER 2012)
- ● PCB SAMPLING LOCATION (NOVEMBER 2012)
- 21.5 PCB CONCENTRATION (MG/KG)
- ✱ LOCATION TO BE FIELD VERIFIED
- PHASE I AREA OF WOOD BLOCK REMOVAL
- PHASE I AREA OF FURTHER CHARACTERIZATION TO DETERMINE REMEDIAL ACTIONS
- WOOD BLOCK FLOOR TO REMAIN AND BE SEALED
- ▲ POST WOOD BLOCK FLOORING CONCRETE SAMPLE

NOTES:

(1) NOT TO SCALE.

(2) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES SEPTEMBER THROUGH NOVEMBER 2012.

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FIGURE 14	PROJECT #12038

PHASE I REMEDIATION
THIRD FLOOR – TOWERS 4 AND 5

SELF–IMPLEMENTING
PCB REMEDIATION PLAN
DECEMBER 2012

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NJDEP ISRA# E20020126-M02
JERSEY CITY
HUDSON COUNTY NEW JERSEY

Drawing Title
3rd FLOOR PROPOSED POST WOOD CLOCK FLOORING CONCRETE SAMPLES

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Submission Date	Sheet 1 of 1

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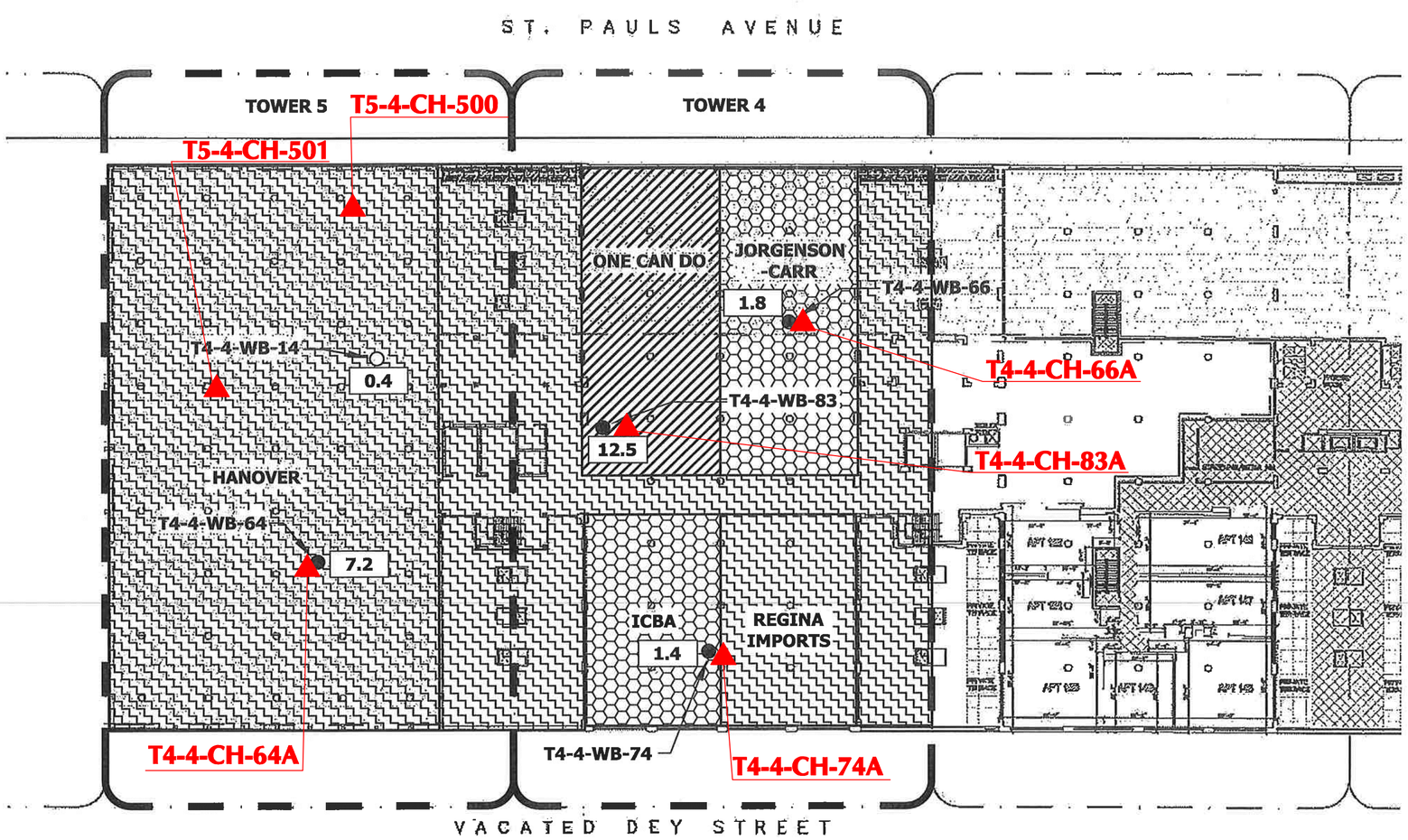

LEGEND:

- ○ PCB SAMPLING LOCATION (SEPTEMBER 2012)
- ● PCB SAMPLING LOCATION (NOVEMBER 2012)
- 21.5 PCB CONCENTRATION (MG/KG)
- ✱ LOCATION TO BE FIELD VERIFIED
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- PHASE I AREA OF FURTHER CHARACTERIZATION TO DETERMINE REMEDIAL ACTIONS
- WOOD BLOCK FLOOR TO REMAIN AND BE SEALED
- ▲ POST WOOD BLOCK FLOORING CONCRETE SAMPLE

NOTES:

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FIGURE 13	PROJECT #12038

PHASE I REMEDIATION
FOURTH FLOOR – TOWERS 4 AND 5

SELF–IMPLEMENTING
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Drawing Title
4th FLOOR PROPOSED POST WOOD BLOCK FLOORING CONCRETE SAMPLES

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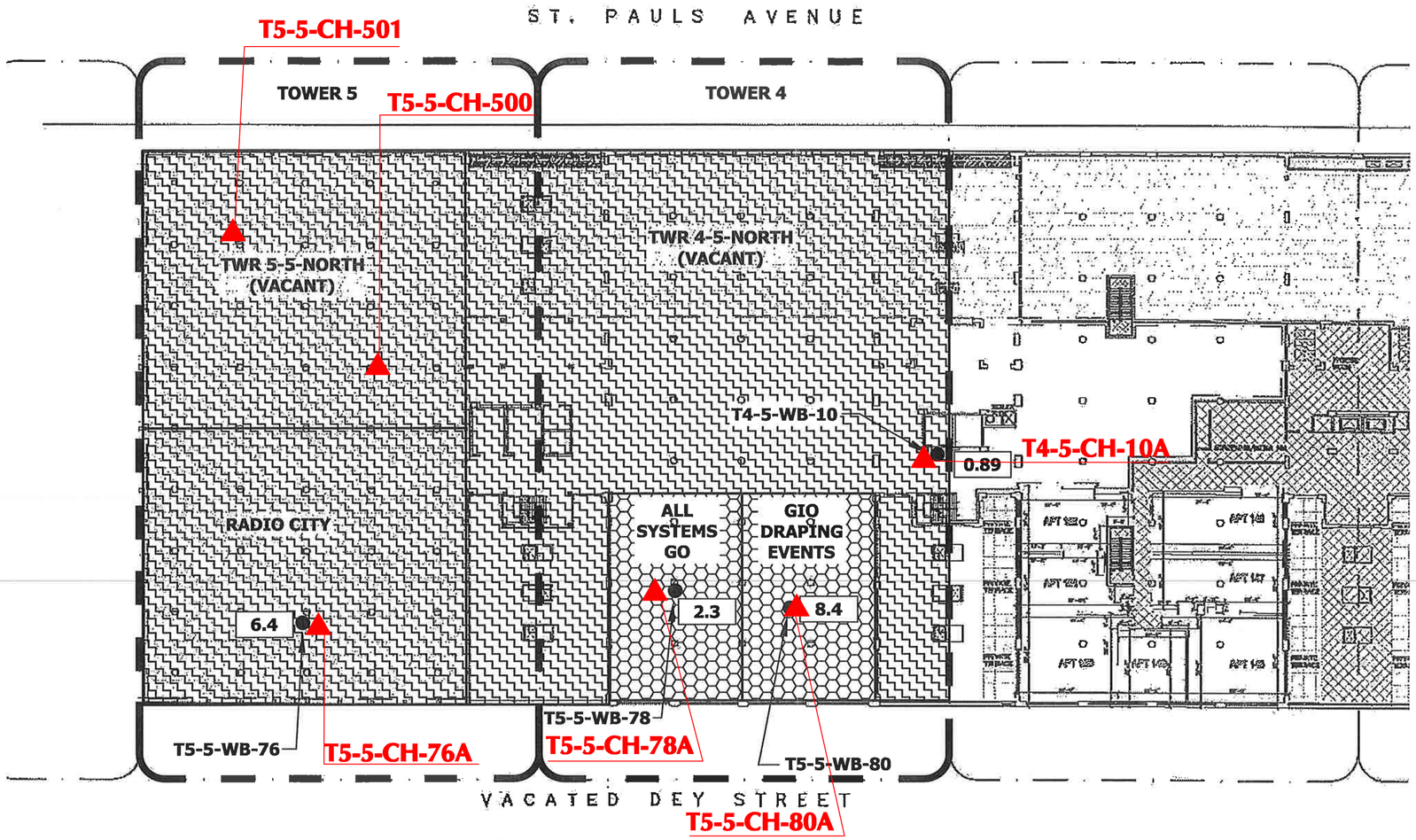
Filename: \\langan.com\data\EP\data1\100412101\Cadd Data - 100412101\SheetFiles\2013-12 Proposed samples 4th Floor Fig 6.dwg Date: 12/4/2013 Time: 09:41 User: oderderian Style Table: Langan.stb Layout: ARCHC-BL



LEGEND:

- ○ PCB SAMPLING LOCATION (SEPTEMBER 2012)
- ● PCB SAMPLING LOCATION (NOVEMBER 2012)
- 21.5 PCB CONCENTRATION (MG/KG)
- ✱ LOCATION TO BE FIELD VERIFIED
- PHASE I AREA OF WOOD BLOCK REMOVAL
- PHASE I AREA OF FURTHER CHARACTERIZATION TO DETERMINE REMEDIAL ACTIONS
- WOOD BLOCK FLOOR TO REMAIN AND BE SEALED
- ▲ POST WOOD BLOCK FLOORING CONCRETE SAMPLE

NOTES:

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FIGURE 12 | PROJECT #12038

PHASE I REMEDIATION
FIFTH FLOOR – TOWERS 4 AND 5

SELF–IMPLEMENTING
PCB REMEDIATION PLAN
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HUDSON COUNTY NEW JERSEY

Drawing Title
5th FLOOR PROPOSED POST WOOD BLOCK FLOORING CONCRETE SAMPLES

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Submission Date	Sheet 1 of 1

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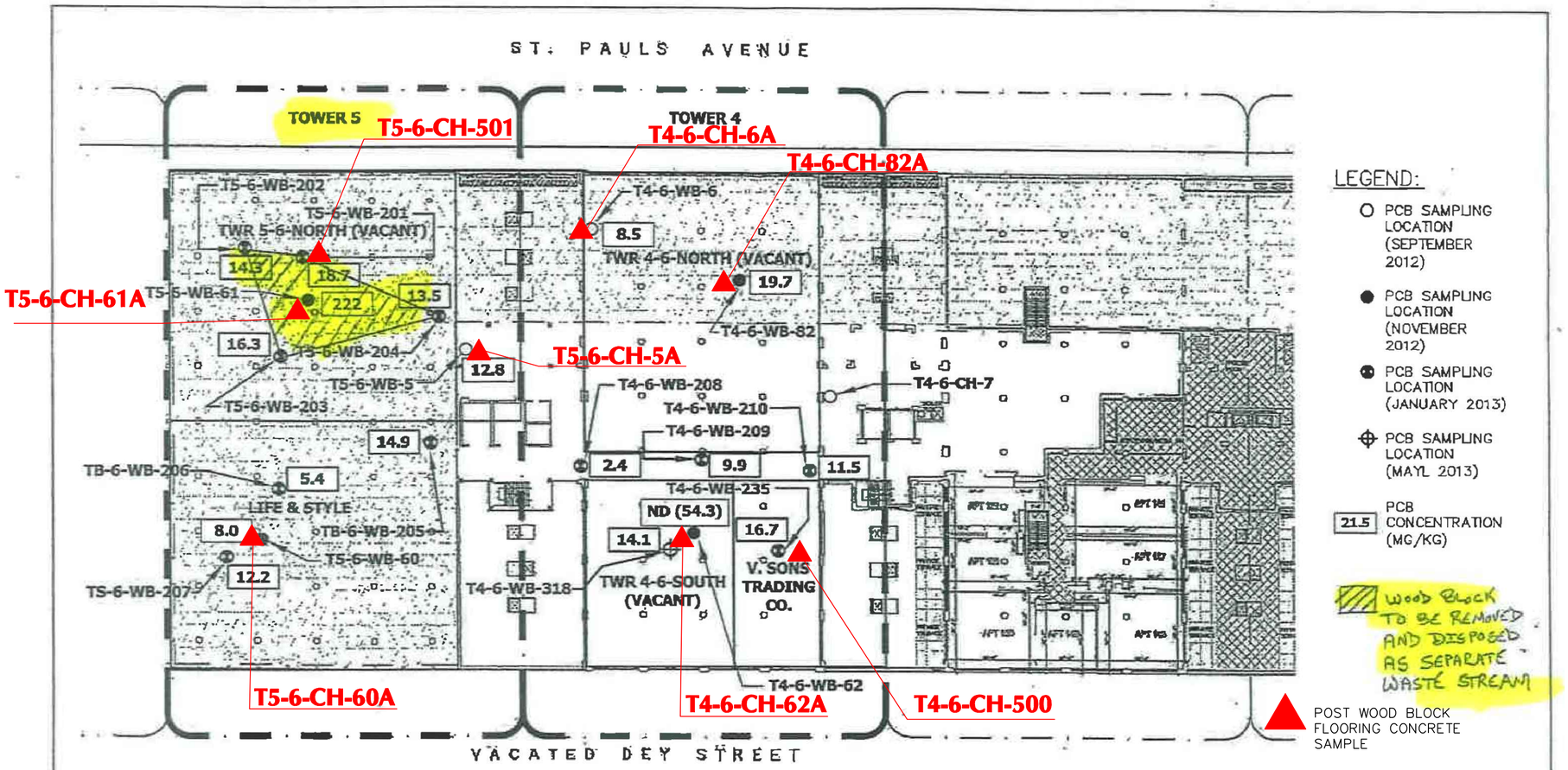

Draft 23 July 2013

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FIGURE 11 | PROJECT #12038

SUMMARY OF PRE-REMEDIATION WOOD BLOCK PCB CONCENTRATIONS SIXTH FLOOR – TOWERS 4 AND 5

PHASE II PLAN SUBMITTAL
SELF-IMPLEMENTING PCB REMEDIATION PLAN
MAY 2013

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Drawing Title
6th FLOOR PROPOSED POST WOOD BLOCK FLOORING CONCRETE SAMPLES

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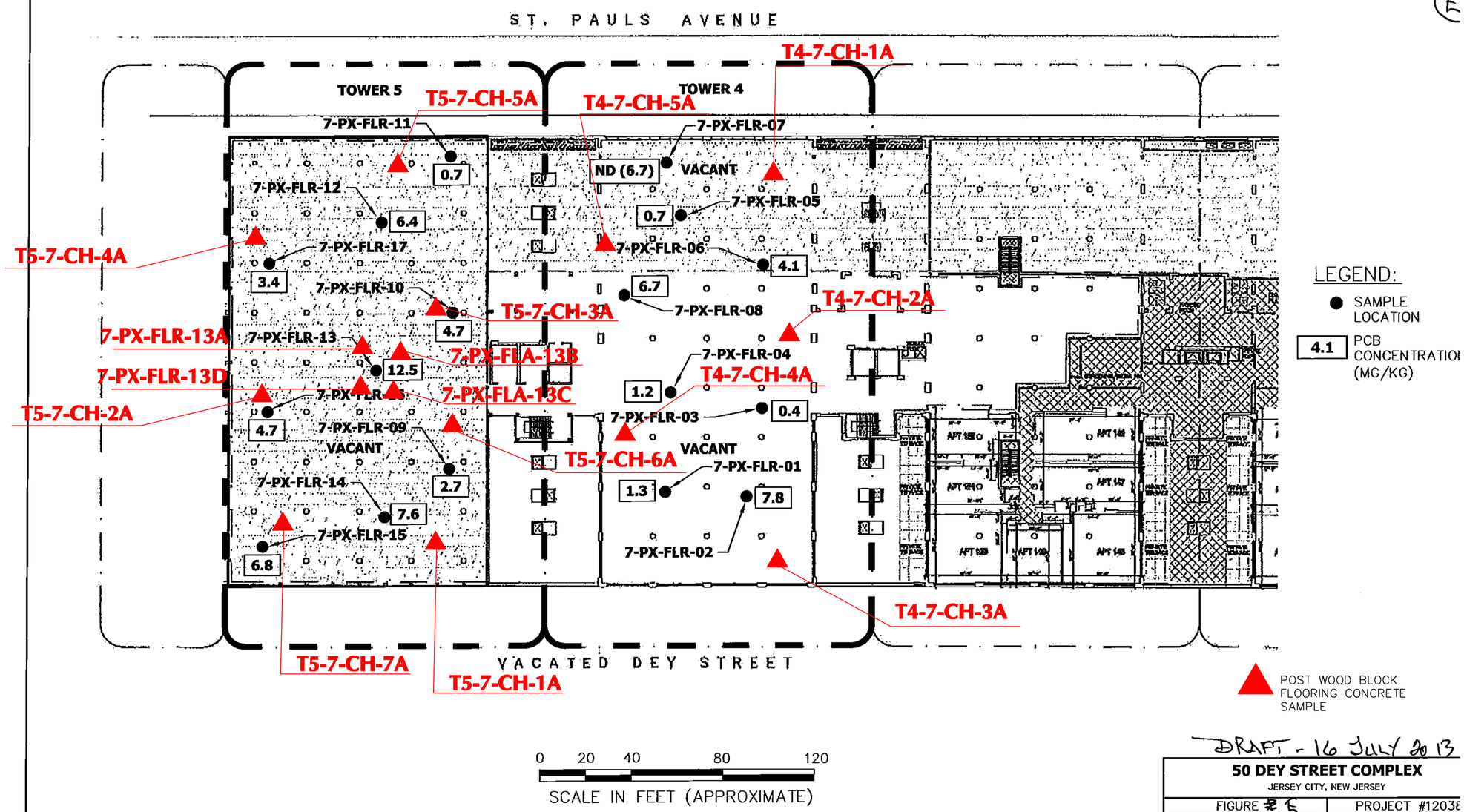

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50 DEY STREET COMPLEX
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FIGURE 9 | PROJECT #12038

POST WOOD BLOCK REMOVAL CONCRETE FLOOR SAMPLE PCB RESULTS
SEVENTH FLOOR – TOWERS 4 AND 5

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NJDEP ISRA# E20020126-M02
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HUDSON COUNTY NEW JERSEY

Drawing Title
7th FLOOR PROPOSED POST WOOD BLOCK FLOORING CONCRETE SAMPLES

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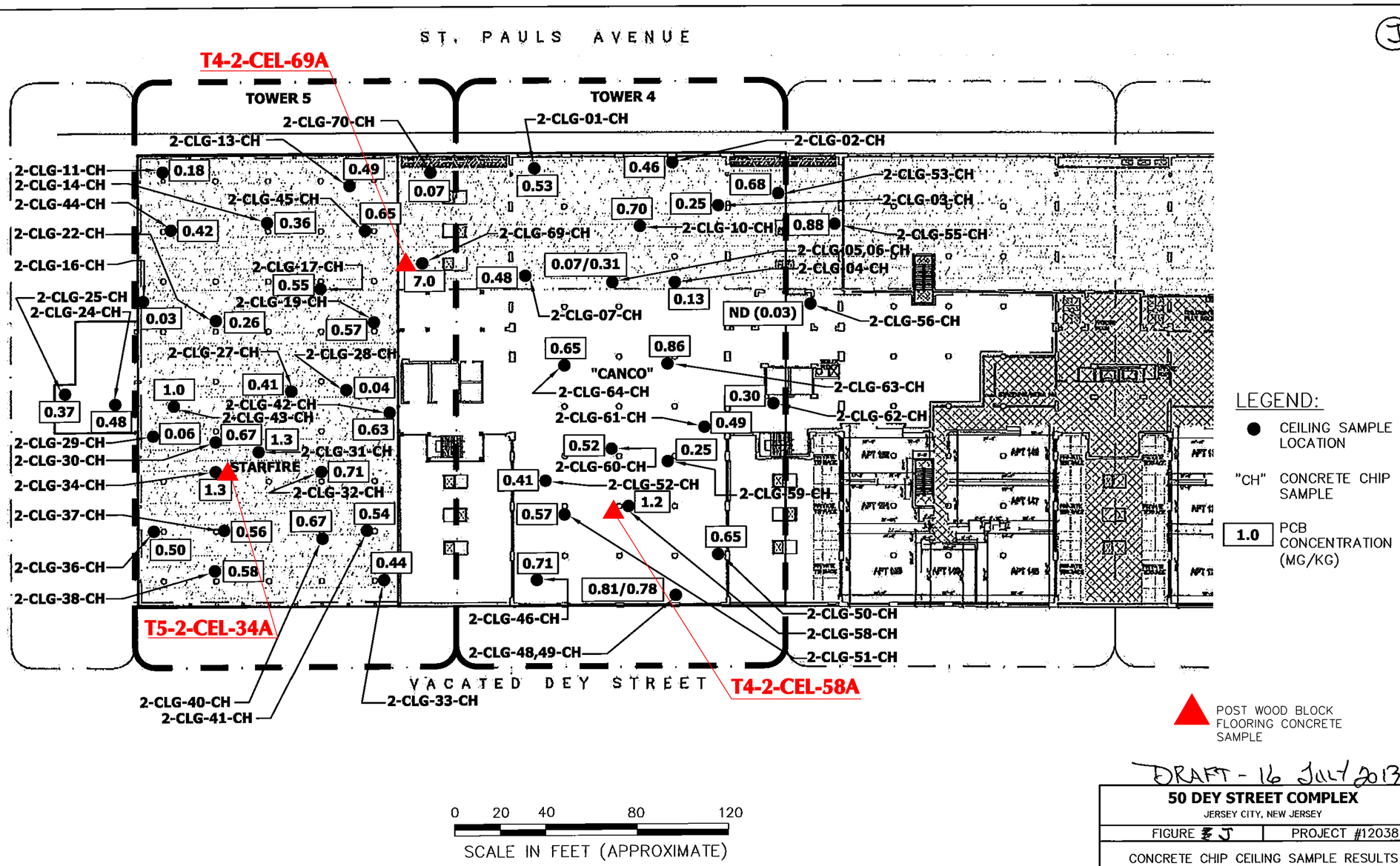

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50 DEY STREET COMPLEX
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FIGURE J | PROJECT #12038

CONCRETE CHIP CEILING SAMPLE RESULTS
SECOND FLOOR – TOWERS 4 AND 5

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Drawing Title: 2ND FLOOR CEILING SAMPLES

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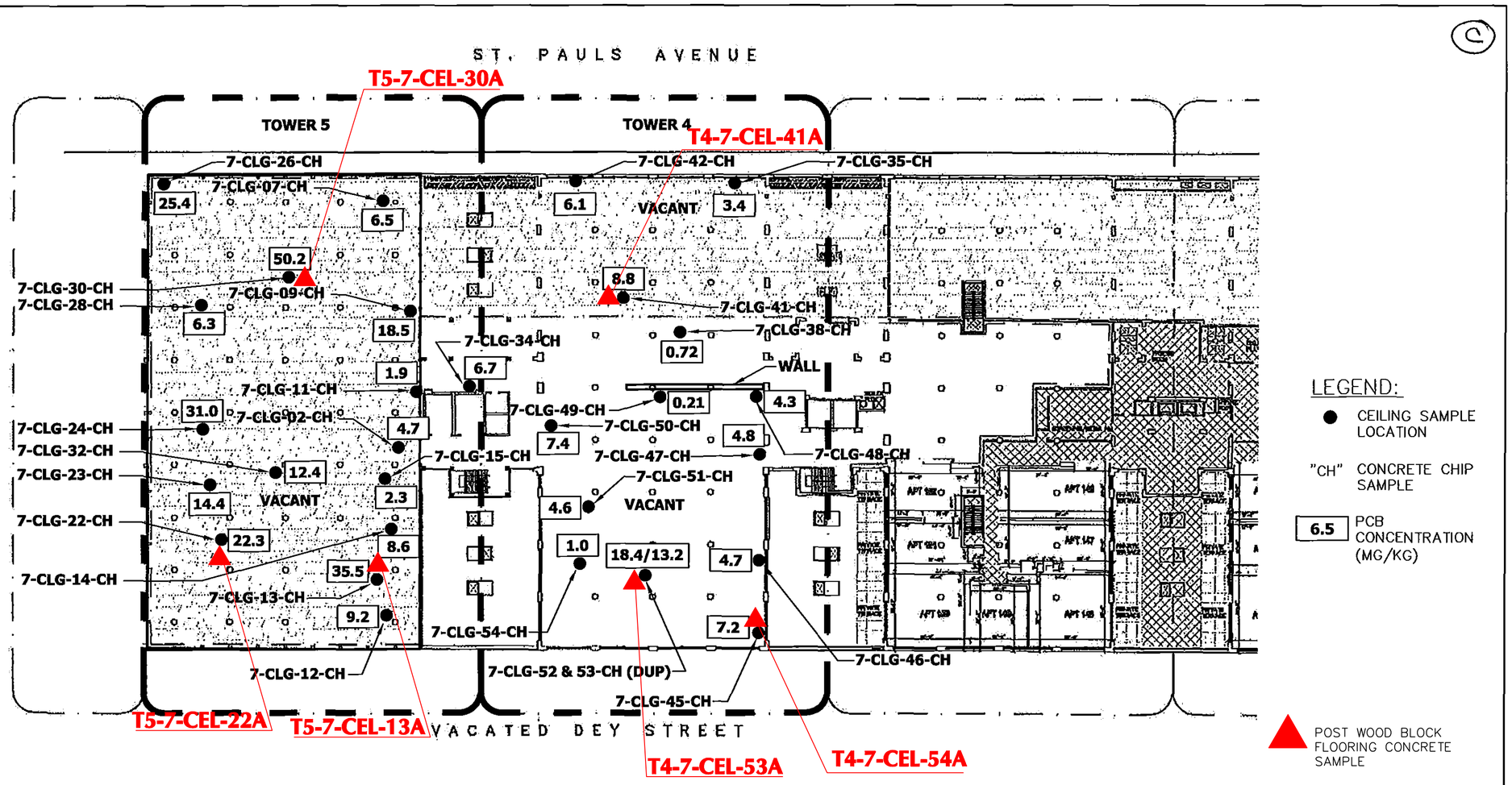

NOTES:

(1) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES

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FIGURE ~~5~~ C | PROJECT #12038

CONCRETE CHIP CEILING SAMPLE RESULTS
SEVENTH FLOOR – TOWERS 4 AND 5

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Drawing Title
7TH FLOOR CEILING SAMPLES

Project No. 100412101	Drawing No. 11
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APPENDIX A

Citation From 40 CFR 761.61, Subpart D, PCB Remediation Waste

AUTHENTICATED
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undiluted PCB concentration prior to treatment. However, PCB materials not treated in the R&D for PCB disposal activity may be returned either to the physical location where the samples were collected or a location where other regulated PCBs from the physical location where the samples were collected are being stored for disposal.

(vii) Use manifests pursuant to subpart K of this part for all R&D PCB wastes being transported from the R&D facility to an approved PCB storage or disposal facility. However, §§ 761.207 through 761.218 do not apply if the residuals or treated samples are returned either to the physical location where the samples were collected or a location where other regulated PCBs from the physical location where the samples were collected are being stored for disposal.

(viii) Package and ship all PCB wastes pursuant to DOT requirements under 49 CFR parts 171 through 180.

(ix) Comply with the recordkeeping requirements of § 761.180.

(2) Do not exceed material limitations set out in paragraphs (j)(1) (iii) and (iv) of this section and the time limitation set out in paragraph (j)(1)(v) of this section without prior written approval from EPA. Requests for approval to exceed the material limitations for PCBs in R&D for PCB disposal activities as specified in this section must be submitted in writing to the EPA Regional Administrator for the Region in which the facility conducting R&D for PCB disposal activities is located. Each request shall specify the quantity or concentration requested or additional time needed for disposal and include a justification for each increase. For extensions to the duration of the R&D for PCB disposal activity, the request shall also include a report on the accomplishments and progress of the previously authorized R&D for PCB disposal activity for which the extension is sought. The EPA Regional Administrator may grant a waiver in writing for an increase in the volume of PCB material, the maximum concentration of PCBs, the total amount of pure PCBs, or the duration of the R&D activity. Approvals will state all requirements applicable to the R&D for PCB disposal activity.

(3) The EPA Regional Administrator for the Region in which an R&D for PCB disposal activity is conducted may determine, at any time, that an R&D PCB disposal approval is required under paragraphs (e) and (i)(2) of this section or § 761.70(d) to ensure that any R&D for PCB disposal activity does not present an unreasonable risk of injury to health or the environment.

(Sec. 6, Pub. L. 94–469, 90 Stat. 2020 (15 U.S.C. 2605)

[44 FR 31542, May 31, 1979]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 761.60, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

§ 761.61 PCB remediation waste.

This section provides cleanup and disposal options for PCB remediation waste. Any person cleaning up and disposing of PCBs managed under this section shall do so based on the concentration at which the PCBs are found. This section does not prohibit any person from implementing temporary emergency measures to prevent, treat, or contain further releases or mitigate migration to the environment of PCBs or PCB remediation waste.

(a) *Self-implementing on-site cleanup and disposal of PCB remediation waste.* EPA designed the self-implementing procedure for a general, moderately-sized site where there should be low residual environmental impact from remedial activities. The procedure may be less practical for larger or environmentally diverse sites. For these other sites, the self-implementing procedure still applies, but an EPA Regional Administrator may authorize more practical procedures through paragraph (c) of this section. Any person may conduct self-implementing cleanup and disposal of PCB remediation waste in accordance with the following requirements without prior written approval from EPA.

(1) *Applicability.* (i) The self-implementing procedures may not be used to clean up:

(A) Surface or ground waters.

(B) Sediments in marine and freshwater ecosystems.

(C) Sewers or sewage treatment systems.

(D) Any private or public drinking water sources or distribution systems.

(E) Grazing lands.

(F) Vegetable gardens.

(ii) The self-implementing cleanup provisions shall not be binding upon cleanups conducted under other authorities, including but not limited to, actions conducted under section 104 or section 106 of CERCLA, or section 3004(u) and (v) or section 3008(h) of RCRA.

(2) *Site characterization.* Any person conducting self-implementing cleanup of PCB remediation waste must characterize the site adequately to be able to provide the information required by paragraph (a)(3) of this section. Subpart N of this part provides a method for collecting new site characterization data or for assessing the sufficiency of existing site characterization data.

(3) *Notification and certification.* (i) At least 30 days prior to the date that the cleanup of a site begins, the person in charge of the cleanup or the owner of the property where the PCB remediation waste is located shall notify, in writing, the EPA Regional Administrator, the Director of the State or Tribal environmental protection agency, and the Director of the county or local environmental protection agency where the cleanup will be conducted. The notice shall include:

(A) The nature of the contamination, including kinds of materials contaminated.

(B) A summary of the procedures used to sample contaminated and adjacent areas and a table or cleanup site map showing PCB concentrations measured in all pre-cleanup characterization samples. The summary must include sample collection and analysis dates. The EPA Regional Administrator may require more detailed information including, but not limited to, additional characterization sampling or all sample identification numbers from all previous characterization activities at the cleanup site.

(C) The location and extent of the identified contaminated area, including topographic maps with sample collection sites cross referenced to the sample identification numbers in the data summary from paragraph (a)(3)(i)(B) of this section.

(D) A cleanup plan for the site, including schedule, disposal technology, and approach. This plan should contain options and contingencies to be used if unanticipated higher concentrations or wider distributions of PCB remediation waste are found or other obstacles force changes in the cleanup approach.

(E) A written certification, signed by the owner of the property where the cleanup site is located and the party conducting the cleanup, that all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the cleanup site, are on file at the location designated in the certificate, and are available for EPA inspection. Persons using alternate methods for chemical extraction and chemical analysis for site characterization must include in the certificate a statement that such a method will be used and that a comparison study which meets or exceeds the requirements of subpart Q of this part, and for which records are on file, has been completed prior to verification sampling.

(ii) Within 30 calendar days of receiving the notification, the EPA Regional Administrator will respond in writing approving of the self-implementing cleanup, disapproving of the self-implementing cleanup, or requiring additional information. If the EPA Regional Administrator does not respond within 30 calendar days of receiving the notice, the person submitting the notification may assume that it is complete and acceptable and proceed with the cleanup according to the information the person provided to the EPA Regional Administrator. Once cleanup is underway, the person conducting the cleanup must provide any proposed changes from the notification to the EPA Regional Administrator in writing no less than 14 calendar days prior to the proposed implementation of the change. The EPA Regional Administrator will determine in his or her discretion whether to accept the change, and will respond to the change notification verbally within 7 calendar days

and in writing within 14 calendar days of receiving it. If the EPA Regional Administrator does not respond verbally within 7 calendar days and in writing within 14 calendar days of receiving the change notice, the person who submitted it may deem it complete and acceptable and proceed with the cleanup according to the information in the change notice provided to the EPA Regional Administrator.

(iii) Any person conducting a cleanup activity may obtain a waiver of the 30-day notification requirement, if they receive a separate waiver, in writing, from each of the agencies they are required to notify under this section. The person must retain the original written waiver as required in paragraph (a)(9) of this section.

(4) *Cleanup levels.* For purposes of cleaning, decontaminating, or removing PCB remediation waste under this section, there are four general waste categories: bulk PCB remediation waste, non-porous surfaces, porous surfaces, and liquids. Cleanup levels are based on the kind of material and the potential exposure to PCBs left after cleanup is completed.

(i) *Bulk PCB remediation waste.* Bulk PCB remediation waste includes, but is not limited to, the following non-liquid PCB remediation waste: soil, sediments, dredged materials, muds, PCB sewage sludge, and industrial sludge.

(A) *High occupancy areas.* The cleanup level for bulk PCB remediation waste in high occupancy areas is ≤1 ppm without further conditions. High occupancy areas where bulk PCB remediation waste remains at concentrations >1 ppm and ≤10 ppm shall be covered with a cap meeting the requirements of paragraphs (a)(7) and (a)(8) of this section.

(B) *Low occupancy areas.* (*1*) The cleanup level for bulk PCB remediation waste in low occupancy areas is ≤25 ppm unless otherwise specified in this paragraph.

(*2*) Bulk PCB remediation wastes may remain at a cleanup site at concentrations >25 ppm and ≤50 ppm if the site is secured by a fence and marked with a sign including the M_L mark.

(*3*) Bulk PCB remediation wastes may remain at a cleanup site at concentrations >25 ppm and ≤100 ppm if the site is covered with a cap meeting the requirements of paragraphs (a)(7) and (a)(8) of this section.

(ii) *Non-porous surfaces.* In high occupancy areas, the surface PCB cleanup standard is ≤ 10 μg/100 cm^2 of surface area. In low occupancy areas, the surface cleanup standard is <100 μg/100 cm^2 of surface area. Select sampling locations in accordance with subpart P of this part or a sampling plan approved under paragraph (c) of this section.

(iii) *Porous surfaces.* In both high and low occupancy areas, any person disposing of porous surfaces must do so based on the levels in paragraph (a)(4)(i) of this section. Porous surfaces may be cleaned up for use in accordance with § 761.79(b)(4) or § 761.30(p).

(iv) *Liquids.* In both high and low occupancy areas, cleanup levels are the concentrations specified in § 761.79(b)(1) and (b)(2).

(v) *Change in the land use for a cleanup site.* Where there is an actual or proposed change in use of an area cleaned up to the levels of a low occupancy area, and the exposure of people or animal life in or at that area could reasonably be expected to increase, resulting in a change in status from a low occupancy area to a high occupancy area, the owner of the area shall clean up the area in accordance with the high occupancy area cleanup levels in paragraphs (a)(4)(i) through (a)(4)(iv) of this section.

(vi) The EPA Regional Administrator, as part of his or her response to a notification submitted in accordance with § 761.61(a)(3) of this part, may require cleanup of the site, or portions of it, to more stringent cleanup levels than are otherwise required in this section, based on the proximity to areas such as residential dwellings, hospitals, schools, nursing homes, playgrounds, parks, day care centers, endangered species habitats, estuaries, wetlands, national parks, national wildlife refuges, commercial fisheries, and sport fisheries.

(5) *Site cleanup.* In addition to the options set out in this paragraph, PCB disposal technologies approved under §§ 761.60 and 761.70 are acceptable for

on-site self-implementing PCB remediation waste disposal within the confines of the operating conditions of the respective approvals.

(i) *Bulk PCB remediation waste.* Any person cleaning up bulk PCB remediation waste shall do so to the levels in paragraph (a)(4)(i) of this section.

(A) Any person cleaning up bulk PCB remediation waste on-site using a soil washing process may do so without EPA approval, subject to all of the following:

(*1*) A non-chlorinated solvent is used.

(*2*) The process occurs at ambient temperature.

(*3*) The process is not exothermic.

(*4*) The process uses no external heat.

(*5*) The process has secondary containment to prevent any solvent from being released to the underlying or surrounding soils or surface waters.

(*6*) Solvent disposal, recovery, and/or reuse is in accordance with relevant provisions of approvals issued according to paragraphs (b)(1) or (c) of this section or applicable paragraphs of §761.79.

(B) Bulk PCB remediation waste may be sent off-site for decontamination or disposal in accordance with this paragraph, provided the waste is either dewatered on-site or transported off-site in containers meeting the requirements of the DOT Hazardous Materials Regulations (HMR) at 49 CFR parts 171 through 180.

(*1*) Removed water shall be disposed of according to paragraph (b)(1) of this section.

(*2*) Any person disposing off-site of dewatered bulk PCB remediation waste shall do so as follows:

(*i*) Unless sampled and analyzed for disposal according to the procedures set out in §§761.283, 761.286, and 761.292, the bulk PCB remediation waste shall be assumed to contain ≥50 ppm PCBs.

(*ii*) Bulk PCB remediation wastes with a PCB concentration of <50 ppm shall be disposed of in accordance with paragraph (a)(5)(v)(A) of this section.

(*iii*) Bulk PCB remediation wastes with a PCB concentration ≥50 ppm shall be disposed of in a hazardous waste landfill permitted by EPA under section 3004 of RCRA, or by a State authorized under section 3006 of RCRA, or a PCB disposal facility approved under this part.

(*iv*) The generator must provide written notice, including the quantity to be shipped and highest concentration of PCBs (using extraction EPA Method 3500B/3540C or Method 3500B/3550B followed by chemical analysis using EPA Method 8082 in SW-846 or methods validated under subpart Q of this part) at least 15 days before the first shipment of bulk PCB remediation waste from each cleanup site by the generator, to each off-site facility where the waste is destined for an area not subject to a TSCA PCB Disposal Approval.

(*3*) Any person may decontaminate bulk PCB remediation waste in accordance with §761.79 and return the waste to the cleanup site for disposal as long as the cleanup standards of paragraph (a)(4) of this section are met.

(ii) *Non-porous surfaces.* PCB remediation waste non-porous surfaces shall be cleaned on-site or off-site for disposal on-site, disposal off-site, or use, as follows:

(A) For on-site disposal, non-porous surfaces shall be cleaned on-site or off-site to the levels in paragraph (a)(4)(ii) of this section using:

(*1*) Procedures approved under §761.79.

(*2*) Technologies approved under §761.60(e).

(*3*) Procedures or technologies approved under paragraph (c) of this section.

(B) For off-site disposal, non-porous surfaces:

(*1*) Having surface concentrations <100 μg/100 cm^2 shall be disposed of in accordance with paragraph (a)(5)(i)(B)(*2*)(*ii*) of this section. Metal surfaces may be thermally decontaminated in accordance with §761.79(c)(6)(i).

(*2*) Having surface concentrations ≥100 μg/100 cm^2 shall be disposed of in accordance with paragraph (a)(5)(i)(B)(*2*)(*iii*) of this section. Metal surfaces may be thermally decontaminated in accordance with §761.79(c)(6)(ii).

(C) For use, non-porous surfaces shall be decontaminated on-site or off-site to the standards specified in §761.79(b)(3) or in accordance with §761.79(c).

(iii) *Porous surfaces.* Porous surfaces shall be disposed on-site or off-site as bulk PCB remediation waste according to paragraph (a)(5)(i) of this section or decontaminated for use according to § 761.79(b)(4), as applicable.

(iv) *Liquids.* Any person disposing of liquid PCB remediation waste shall either:

(A) Decontaminate the waste to the levels specified in § 761.79(b)(1) or (b)(2).

(B) Dispose of the waste in accordance with paragraph (b) of this section or an approval issued under paragraph (c) of this section.

(v) *Cleanup wastes.* Any person generating the following wastes during and from the cleanup of PCB remediation waste shall dispose of or reuse them using one of the following methods:

(A) Non-liquid cleaning materials and personal protective equipment waste at any concentration, including non-porous surfaces and other non-liquid materials such as rags, gloves, booties, other disposable personal protective equipment, and similar materials resulting from cleanup activities shall be either decontaminated in accordance with § 761.79(b) or (c), or disposed of in one of the following facilities, without regard to the requirements of subparts J and K of this part:

(*1*) A facility permitted, licensed, or registered by a State to manage municipal solid waste subject to part 258 of this chapter.

(*2*) A facility permitted, licensed, or registered by a State to manage non-municipal non-hazardous waste subject to §§ 257.5 through 257.30 of this chapter, as applicable.

(*3*) A hazardous waste landfill permitted by EPA under section 3004 of RCRA, or by a State authorized under section 3006 of RCRA.

(*4*) A PCB disposal facility approved under this part.

(B) Cleaning solvents, abrasives, and equipment may be reused after decontamination in accordance with § 761.79.

(6) *Cleanup verification*—(i) *Sampling and analysis.* Any person collecting and analyzing samples to verify the cleanup and on-site disposal of bulk PCB remediation wastes and porous surfaces must do so in accordance with subpart O of this part. Any person collecting and analyzing samples from non-porous surfaces must do so in accordance with subpart P of this part. Any person collecting and analyzing samples from liquids must do so in accordance with § 761.269. Any person conducting interim sampling during PCB remediation waste cleanup to determine when to sample to verify that cleanup is complete, may use PCB field screening tests.

(ii) *Verification.* (A) Where sample analysis results in a measurement of PCBs less than or equal to the levels specified in paragraph (a)(4) of this section, self-implementing cleanup is complete.

(B) Where sample analysis results in a measurement of PCBs greater than the levels specified in paragraph (a)(4) of this section, self-implementing cleanup of the sampled PCB remediation waste is not complete. The owner or operator of the site must either dispose of the sampled PCB remediation waste, or reclean the waste represented by the sample and reinitiate sampling and analysis in accordance with paragraph (a)(6)(i) of this section.

(7) *Cap requirements.* A cap means, when referring to on-site cleanup and disposal of PCB remediation waste, a uniform placement of concrete, asphalt, or similar material of minimum thickness spread over the area where remediation waste was removed or left in place in order to prevent or minimize human exposure, infiltration of water, and erosion. Any person designing and constructing a cap must do so in accordance with § 264.310(a) of this chapter, and ensure that it complies with the permeability, sieve, liquid limit, and plasticity index parameters in § 761.75(b)(1)(ii) through (b)(1)(v). A cap of compacted soil shall have a minimum thickness of 25 cm (10 inches). A concrete or asphalt cap shall have a minimum thickness of 15 cm (6 inches). A cap must be of sufficient strength to maintain its effectiveness and integrity during the use of the cap surface which is exposed to the environment. A cap shall not be contaminated at a level ≥1 ppm PCB per Aroclor™ (or equivalent) or per congener. Repairs shall begin within 72 hours of discovery for any breaches which would impair the integrity of the cap.

(8) *Deed restrictions for caps, fences and low occupancy areas.* When a cleanup activity conducted under this section includes the use of a fence or a cap, the owner of the site must maintain the fence or cap, in perpetuity. In addition, whenever a cap, or the procedures and requirements for a low occupancy area, is used, the owner of the site must meet the following conditions:

(i) Within 60 days of completion of a cleanup activity under this section, the owner of the property shall:

(A) Record, in accordance with State law, a notation on the deed to the property, or on some other instrument which is normally examined during a title search, that will in perpetuity notify any potential purchaser of the property:

(*1*) That the land has been used for PCB remediation waste disposal and is restricted to use as a low occupancy area as defined in §761.3.

(*2*) Of the existence of the fence or cap and the requirement to maintain the fence or cap.

(*3*) The applicable cleanup levels left at the site, inside the fence, and/or under the cap.

(B) Submit a certification, signed by the owner, that he/she has recorded the notation specified in paragraph (a)(8)(i)(A) of this section to the EPA Regional Administrator.

(ii) The owner of a site being cleaned up under this section may remove a fence or cap after conducting additional cleanup activities and achieving cleanup levels, specified in paragraph (a)(4) of this section, which do not require a cap or fence. The owner may remove the notice on the deed no earlier than 30 days after achieving the cleanup levels specified in this section which do not require a fence or cap.

(9) *Recordkeeping.* For paragraphs (a)(3), (a)(4), and (a)(5) of this section, recordkeeping is required in accordance with §761.125(c)(5).

(b) *Performance-based disposal.* (1) Any person disposing of liquid PCB remediation waste shall do so according to §761.60(a) or (e), or decontaminate it in accordance with §761.79.

(2) Any person disposing of non-liquid PCB remediation waste shall do so by one of the following methods:

(i) Dispose of it in a high temperature incinerator approved under §761.70(b), an alternate disposal method approved under §761.60(e), a chemical waste landfill approved under §761.75, or in a facility with a coordinated approval issued under §761.77.

(ii) Decontaminate it in accordance with §761.79.

(3) Any person may manage or dispose of material containing <50 ppm PCBs that has been dredged or excavated from waters of the United States:

(i) In accordance with a permit that has been issued under section 404 of the Clean Water Act, or the equivalent of such a permit as provided for in regulations of the U.S. Army Corps of Engineers at 33 CFR part 320.

(ii) In accordance with a permit issued by the U.S. Army Corps of Engineers under section 103 of the Marine Protection, Research, and Sanctuaries Act, or the equivalent of such a permit as provided for in regulations of the U.S. Army Corps of Engineers at 33 CFR part 320.

(c) *Risk-based disposal approval.* (1) Any person wishing to sample, cleanup, or dispose of PCB remediation waste in a manner other than prescribed in paragraphs (a) or (b) of this section, or store PCB remediation waste in a manner other than prescribed in §761.65, must apply in writing to the Regional Administrator in the Region where the sampling, cleanup, disposal, or storage site is located, for sampling, cleanup, disposal, or storage occurring in a single EPA Region; or to the Director, Office of Resource Conservation and Recovery, for sampling, cleanup, disposal, or storage occurring in more than one EPA Region. Each application must include information described in the notification required by paragraph (a)(3) of this section. EPA may request other information that it believes necessary to evaluate the application. No person may conduct cleanup activities under this paragraph prior to obtaining written approval by EPA.

(2) EPA will issue a written decision on each application for a risk-based method for PCB remediation wastes. EPA will approve such an application if it finds that the method will not pose

an unreasonable risk of injury to health or the environment.

[63 FR 35448, June 29, 1998, as amended at 64 FR 33761, June 24, 1999; 72 FR 57239, Oct. 9, 2007; 74 FR 30232, June 25, 2009]

§ 761.62 Disposal of PCB bulk product waste.

PCB bulk product waste shall be disposed of in accordance with paragraph (a), (b), or (c) of this section. Under some of these provisions, it may not be necessary to determine the PCB concentration or leaching characteristics of the PCB bulk product waste. When it is necessary to analyze the waste to make either of these determinations, use the applicable procedures in subpart R of this part to sample the waste for analysis, unless EPA approves another sampling plan under paragraph (c) of this section.

(a) *Performance-based disposal.* Any person disposing of PCB bulk product waste may do so as follows:

(1) In an incinerator approved under § 761.70.

(2) In a chemical waste landfill approved under § 761.75.

(3) In a hazardous waste landfill permitted by EPA under section 3004 of RCRA, or by a State authorized under section 3006 of RCRA.

(4) Under an alternate disposal approval under § 761.60(e).

(5) In accordance with the decontamination provisions of § 761.79.

(6) For metal surfaces in contact with PCBs, in accordance with the thermal decontamination provisions of § 761.79(c)(6).

(7) In accordance with a TSCA PCB Coordinated Approval issued under § 761.77.

(b) *Disposal in solid waste landfills.* (1) Any person may dispose of the following PCB bulk product waste in a facility permitted, licensed, or registered by a State as a municipal or non-municipal non-hazardous waste landfill:

(i) Plastics (such as plastic insulation from wire or cable; radio, television and computer casings; vehicle parts; or furniture laminates); preformed or molded rubber parts and components; applied dried paints, varnishes, waxes or other similar coatings or sealants; caulking; Galbestos; non-liquid building demolition debris; or non-liquid PCB bulk product waste from the shredding of automobiles or household appliances from which PCB small capacitors have been removed (shredder fluff).

(ii) Other PCB bulk product waste, sampled in accordance with the protocols set out in subpart R of this part, that leaches PCBs at <10 μg/L of water measured using a procedure used to simulate leachate generation.

(2) Any person may dispose of PCB bulk product waste other than those materials meeting the conditions of paragraph (b)(1) of this section, (e.g., paper or felt gaskets contaminated by liquid PCBs in a facility that is permitted, licensed, or registered by a State to manage municipal solid waste subject to part 258 of this chapter or non-municipal non-hazardous waste subject to §§ 257.5 through 257.30 of this chapter, as applicable, if:

(i) The PCB bulk product waste is segregated from organic liquids disposed of in the landfill unit.

(ii) Leachate is collected from the landfill unit and monitored for PCBs.

(3) Any release of PCBs (including but not limited to leachate) from the landfill unit shall be cleaned up in accordance with § 761.61.

(4)(i) Any person disposing off-site of PCB bulk product waste regulated under paragraph (b)(1) of this section at a waste management facility not having a commercial PCB storage or disposal approval must provide written notice to the facility a minimum of 15 days in advance of the first shipment from the same disposal waste stream. The notice shall state that the PCB bulk product waste may include components containing PCBs at ≥50 ppm based on analysis of the waste in the shipment or application of a general knowledge of the waste stream (or similar material) which is known to contain PCBs at those levels, and that the PCB bulk product waste is known or presumed to leach <10 μg/L PCBs.

(ii) Any person disposing off-site of PCB bulk product waste regulated under paragraph (b)(2) of this section at a waste management facility not having a commercial PCB storage or disposal approval must provide written notice to the facility a minimum of 15 days in advance of the first shipment

APPENDIX B

USEPA Correspondence Dated 4 June 2013

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

JUN - 4 2013

CERTIFIED MAIL - RETURN RECEIPT REQUESTED
Article Number: 7011 0470 0002 3745 4515

Mr. Moishe Mana
Mana Art Center, LLC
215 Coles Street
Jersey City, New Jersey 07310

Re: 50 Dey Street Site - Approval for Disposal of PCB Remediation Waste under 40 CFR §761.61(a) and for Characterization Sampling under 40 CFR §761.61(c)

Dear Mr. Mana:

This is in response to the May 22, 2013 Supplemental Self Implementation Plan (SSIP), submitted by Keystone E-Sciences Group, Inc. on behalf of Mana Art Center, LLC (Mana). The SSIP addresses the first phase of remediation activities at the 50 Dey Street Site, located in Jersey City, New Jersey. This document will be referred to as the "Application". The Application describes the off-site disposal of polychlorinated biphenyl (PCB) remediation waste (wood block floor) that exceeds the cleanup levels under the federal PCB regulations at 40 CFR §761.61(a)(4). Pending approval by the United States Environmental Protection Agency (EPA), subsequent phases of the remediation will be addressed under a separate self-implementation plan.

With the exception of the characterization sampling requirements under Subpart N of 40 CFR Part 761, the proposed off-site disposal of the PCB remediation waste meets the self-implementing cleanup and disposal requirements under 40 CFR §761.61(a). Based on the characterization sampling that has been performed, the EPA finds that this sampling, in this proposed remediation context, is acceptable for delineating areas of the PCB remediation waste to be addressed.

EPA hereby approves the Application, and Mana may proceed with the disposal of PCB remediation waste under 40 CFR §§761.61(a), subject to this Approval. This Approval also constitutes an order under the authority of Section 6 of the Toxic Substances Control Act, 15 U.S.C. §2605.

Please note that this Approval does not constitute a determination by EPA that the transporters or the disposal facilities selected by Mana are authorized to conduct the activities set forth in the Application. Mana is responsible for ensuring that its selected transporters and disposal facilities are authorized to conduct any such activities in accordance with all applicable federal, state and local statutes and regulations.

Should you have any questions concerning this matter, please contact Dr. James S. Haklar at (732) 906-6817 or at haklar.james@epa.gov.

Sincerely yours,

Dore LaPosta, Director
Division of Enforcement and Compliance Assistance

cc: Fran Mulnick Parker, Esq., Law Office of Fran Mulnick Parker
Daniel Erdman, Keystone E-Sciences Group, Inc.

Historical Tipping Sales Journal - Facility ID:

Primary Sort By: Customer Code
Secondary Sort By: Waste Class
Print: 05/01/2013 Thru 11/22/2013 - All Transactions

Document Order Number	Date/ Time Entry	Vehicle/ Customer Number	Vehicle Plate	Vehicle Type	Customer Name	Waste Class	Origin Code	***** Yardage ***** Non Comp	Compacted	Sales Quantity	Sales Units	Unit Price	Sales Dollars
13017976	06/28/13	01525	AN425A	Tractor		13C	0906	100.00	0.00	19.2500	TONS	71.0000	1366.75
00664063	07:52	0000792			SAMBONEY ENTERPRISES								
13017284	06/21/13	01527	AM930A	Tractor		13C	0906	100.00	0.00	16.2000	TONS	71.0000	1150.20
00663371	07:41	0000792			SAMBONEY ENTERPRISES								
13017178	06/20/13	01527	AM930A	Tractor		13C	0906	0.00	100.00	12.8000	TONS	71.0000	908.80
00663264	07:32	0000792			SAMBONEY ENTERPRISES								
13017058	06/19/13	01490	AL491B	Tractor		13C	0906	0.00	100.00	13.6900	TONS	71.0000	971.99
00663142	07:33	0000792			SAMBONEY ENTERPRISES								
13017059	06/19/13	01493	AL518K	Tractor		13C	0906	100.00	0.00	13.7400	TONS	71.0000	975.54
00663143	07:34	0000792			SAMBONEY ENTERPRISES								
13016989	06/18/13	01186	AM958F	Tractor		13C	0906	0.00	100.00	19.1700	TONS	71.0000	1361.07
00663074	10:40	0000792			SAMBONEY ENTERPRISES								
13017019	06/18/13	01493	AL518K	Tractor		13C	0906	100.00	0.00	15.3600	TONS	71.0000	1090.56
00663109	12:15	0000792			SAMBONEY ENTERPRISES								
13016776	06/14/13	01527	AM930A	Tractor		13C	0906	100.00	0.00	19.5200	TONS	71.0000	1385.92
00662860	13:52	0000792			SAMBONEY ENTERPRISES								
13016544	06/13/13	01490	AL491B	Tractor		13C	0906	0.00	100.00	14.1300	TONS	71.0000	1003.23
00662627	07:33	0000792			SAMBONEY ENTERPRISES								
13016600	06/13/13	01527	AM930A	Tractor		13C	0906	100.00	0.00	18.7100	TONS	71.0000	1328.41
00662683	10:55	0000792			SAMBONEY ENTERPRISES								
13016632	06/13/13	01490	AL491B	Tractor		13C	0906	0.00	100.00	17.5000	TONS	71.0000	1242.50
00662714	13:20	0000792			SAMBONEY ENTERPRISES								
13016494	06/12/13	01321	AC998P	Tractor		13C	0906	0.00	100.00	18.5900	TONS	71.0000	1319.89
00662576	12:11	0000792			SAMBONEY ENTERPRISES								
13016506	06/12/13	01490	AL491B	Tractor		13C	0906	0.00	100.00	15.5600	TONS	71.0000	1104.76
00662588	12:52	0000792			SAMBONEY ENTERPRISES								
13016523	06/12/13	01186	AM958F	Tractor		13C	0906	100.00	0.00	18.3200	TONS	71.0000	1300.72
00662606	14:10	0000792			SAMBONEY ENTERPRISES								
13018809	07/08/13	01186	AM958F-	Tractor		13C	0906	100.00	0.00	26.1800	TONS	71.0000	1858.78
00664918	09:38	0000792			SAMBONEY ENTERPRISES								
Subtotals for Waste Class 13C					: CONSTRUCTION & DEMOLITION			800.00	700.00				18369.12
Totals for Customer 0000792					: SAMBONEY ENTERPRISES			800.00	700.00				18369.12

Historical Tipping Sales Journal - Facility ID:
Primary Sort By: Customer Code
Secondary Sort By: Waste Class
Print: 05/01/2013 Thru 11/22/2013 - All Transactions

Document Order Number	Date/ Time Entry	Vehicle/ Customer Number	Vehicle Plate	Vehicle Type	Customer Name	Waste Class	Origin Code	***** Yardage ***** Non Comp	Compacted	Sales Quantity	Sales Units	Unit Price	Sales Dollars

Total Non Compacted Yardage:	800.00
Total Compacted Yardage:	700.00
Total Yardage:	1500.00
Total Net Weight:	258.7200
Total Sales Dollars:	18369.12
Normal Documents:	14
Manual Documents:	1
Converted Documents:	0
Total Documents:	15
Credit Transactions:	0

End of Report

APPENDIX C

Self-Implementation PCB Remediation Plan (SIRP)
December 2012

KEYSTONE E-SCIENCES GROUP, INC.

SELF IMPLEMENTING PCB REMEDIATION PLAN (SIRP)

5O DEY STREET
MANA ART CENTER, LLC PROPERTY
JERSEY CITY, NEW JERSEY

Prepared For:

Law Office of Fran Mulnick Parker
New York, New York

For Submittal To:

USEPA Region 2
Edison, New Jersey

December 2012 **Ref: 12038**

590 EAST LANCASTER AVENUE SUITE 200 FRAZER, PA 19355
PHONE (610) 407-4002 FAX (610) 407-4101

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APPENDICES

APPENDIX A	PRE-PURCHASE LABORATORY ANALYTICAL REPORT- SEPTEMBER 2012 SAMPLING EVENT
APPENDIX B	PRE-PURCHASE LABORATORY ANALYTICAL REPORT- NOVEMBER 2012 SAMPLING EVENT

EXECUTIVE SUMMARY

Keystone E-Sciences Group, Inc. (KES) conducted a due diligence environmental site assessment of property located at 50 Dey Street in Jersey City, New Jersey (the "Subject Property"). The assessment was conducted on behalf of the Law Office of Fran Mulnick Parker, representing Mana Art Center, LLC, the potential purchaser ("Purchaser") of the Subject Property. In the course of the pre-purchase sampling and analyses conducted during the due diligence period, PCBs were found to be present in certain building materials at concentrations requiring remediation in accordance with the Toxic Substances Control Act (TSCA). In accordance with these findings and the TSCA requirements, KES prepared this Self-Implementing PCB Remediation Plan (SIRP) for review and approval by USEPA.

This SIRP is submitted immediately following the closing on the Subject Property, as the Purchaser wishes to gain approval for, and implement, the remedial activities as soon as practical after taking ownership. A copy of this SIRP is provided to NJDEP, as required. As per 40 CFR 761.61, we understand that the EPA Regional Administrator will respond in writing within 30 days of receipt of this SIRP to either approve, disapprove, or request additional information on the plan. We encourage an open dialogue with EPA and the NJDEP during this review period if there are any questions, and ask that either of the following be contacted during the review process if there are any questions:

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Chapter 1.0 presents relevant background information of the Subject Property and its location. The Subject Property includes two seven-story buildings (identified as Tower 4 and Tower 5) and a contiguous Boiler House/ Basement area. These structures are part of the American Industrial Complex, which is the subject of an existing NJDEP ISRA (Industrial Site Recovery Act) case #E20020126-M02, also known as the "50 Dey Street Complex," the "American Can Company (ACC)" complex, "and "Envirochem" in the ISRA case files. KES did not find any information in the historical records that identified a specific source of PCBs. However, the general use of PCBs in industrial equipment during the height of operations at the ACC complex,

plus the previous findings by others of PCBs in the building material, and other observations during our own site inspections in 2012 were considered in developing the due diligence sampling program that was conducted in September and November 2012. These other observations during our site inspection included: the presence of wood block floors throughout the Towers, with several stained areas; overhead fluorescent lighting; and, multiple nonoperational electrical panels and switches.

Chapter 2.0 provides the results of the Site Characterization to date, developed from the collection and analyses of over 100 samples at the Subject Property. These samples included wood block flooring, concrete chip, sweep samples, and wipe samples. PCB concentrations exceeding 1 mg/kg in wood block were found on each floor of both towers. With the exception of the 5th floor, at least one wood block sample exceeded 10 mg/kg on each floor. With 1 exception in a total of 39 wood block samples, none of the PCB concentrations exceeded 100 mg/kg. The analyses show that there was only 1 exceedance in 48 wipe samples of the USEPA criterion of 10 ug/ 100 cm^2; this 1 exceedance occurred in a presently unoccupied space of the Subject Property. The results also show that limited areas of the concrete subfloor are impacted above remediation criteria. The Conceptual Model presented in Chapter 2.0 considers that most of the PCBs reside in the wood block flooring material. Furthermore, although the PCBs are present in wood block at both vacant and presently occupied spaces, there appears to be minimal areas of present concern for direct contact or inhalation of the PCB material. It appears, basically, that PCB from historical releases penetrated into the wood block structure and that most of it presently remains there.

Chapter 3.0 describes the remedial objectives and remediation approach. The goal is to decontaminate the building interior for continued non-residential use. High occupancy (i.e., greater than 6.7 hours per week) usage by commercial tenants throughout the building space is anticipated. The remedial objectives are consistent with 40 CFR 761.61 and with NJDEP's *Coordination of NJDEP and USEPA PCB Remediation Policies* (updated 03 March 2011). The remedial objectives are to:

- Complete the characterization of PCB in wood block, concrete, and other building material in portions of the property that were not accessible or otherwise not sampled during the Pre-Purchase period;
- Remove all building material in excess of 10 mg/kg PCB from the property;
- Implement proper in-place PCB management controls at select areas of the property where PCBs will remain in the building material at concentrations between 1 mg/kg and 10 mg/kg; and,
- Limit access and exposure while the PCB building material remediation is underway.

Approximately half of the building space of Towers 4 and 5 are occupied by commercial tenants whose leases will extend into the post-purchase period. Several of these tenant-occupied areas were sampled during the pre-purchase period and PCBs exceeding either 1 mg/kg or 10 mg/kg were found in the wood block flooring of many of these tenant-occupied spaces. The general remedial approach will involve a phased program wherein the currently vacant spaces of the property are first remediated and restored, after which the current tenant occupants will be expeditiously relocated to the remediated areas. The remedial needs of the presently occupied areas will be identified while these early remedial tasks of the unoccupied areas are underway.

Chapter 4.0 presents the anticipated schedule for the PCB remediation and a description of the 12 tasks associated with the SIRP. The projected 8-month schedule is aggressive for the purpose of assuring remediation of all areas of the Subject Property in a timely manner. Several of the tasks will be initiated during the 30-day review period of this SIRP, including occupant notification of the pending remediation activities, post-purchase additional characterization of areas that were not accessible or fully characterized during the pre-purchase period, and development of remediation contract documents. An addendum to this SIRP, in the form of a Phase II Plan submittal to USEPA, will be developed approximately 3 months after project start-up; this plan will provide details on the additional characterization and remedial actions planned for the presently undercharacterized spaces of the Subject Property. The final task addresses the post-remediation monitoring requirements, which will be ongoing after completion of the remediation and submittal of a Remedial Action Report. These activities will include inspection and maintenance of areas where a double coat of epoxy encapsulant is used over building material and areas where a concrete pour is used as a cap. The marking requirements (PCB M_L mark) of 40 CFR 761(a)(4)(B) will be used for each building space where residual PCBs are left on site for in-place management. As per 40 CFR 761.61(a)(8), a deed restriction requirements will be implemented for any remediated area where PCBs will be managed in place and encapsulated (i.e., where residual concentrations of PCBs will remain in the building material at concentrations between 1 mg/kg and 10 mg/kg). The restrictions will include a Deed Notice indicating the locations of the restricted areas, the residual concentrations in the building material, and the type of restricted building material.

1.0 PROJECT LOCATION AND BACKGROUND

The Keystone E-Sciences Group, Inc. (KES) was retained by the Law Office of Fran Mulnick Parker to conduct a pre-acquisition environmental site assessment (ESA) of property located at 50 Dey Street in Jersey City, City. Figure 1 shows the location of this property on the USGS Jersey City Quadrangle. The property is intended for purchase by Mana Art Center, LLC ("Purchaser"), which is represented by the Law Office of Fran Mulnick Parker. The property transaction is scheduled to occur in December 2012.

The Subject Property includes two seven-story buildings (identified as Tower 4 and Tower 5) and the contiguous Boiler House/ Basement area (which is itself referred to on certain site drawings as Buildings 5A, 6, 7 and 8). These structures are part of the American Industrial Complex, which is the subject of an existing NJDEP ISRA (Industrial Site Recovery Act) case #E20020126-M02, also known as the "50 Dey Street Complex," the "American Can Company (ACC)" complex, "and "Envirochem" in the ISRA case files. Figure 2 shows the configuration of the entire complex and the portion of the complex (i.e., the Subject Property) being obtained by the Purchaser and addressed in this SIRP.

The Subject Property is described in general as follows:

- Tower 4, also known as Building 4, is a 7- story former industrial building that is partially occupied by light industrial/commercial tenants and partially vacant;
- Tower 5, also known as Building 5, is a 7-story former industrial building, with an additional basement level, that is also partially occupied by commercial tenants and partially vacant; and,
- The Boiler House, also known as connected Buildings 5A, 6, 7 and 8, a single-story former industrial building that currently houses the Towers heating system.

Much of the background information presented herein was obtained during KES' review of the ISRA files and supplemental information obtained from the Seller's consultant, Langan Engineering and Environmental Services (Langan) during the pre-purchase due diligence period. KES also independently obtained historical background information for review during the due diligence period. The background findings relevant to understanding the presence of PCBs at the Subject Property, and relevant to the development of this SIRP, are discussed in the following paragraphs.

Tower 4, Tower 5 and the Boiler House are part of a series of buildings erected in the late 1920s-early 1930s by the former American Can Company (ACC) and once known as the ACC Hudson Plant. ACC's facilities extended throughout a series of manufacturing buildings known as Towers 1 through 5 located along the northern side of the property, as well as the Boiler House and buildings housing a warehouse, train shed, and a garage located adjacent to and south of the Towers (see Figure 2). ACC owned and operated the complex from the late 1920s until the mid-1970s, when operations ceased. ACC manufactured metal cans and other packaging. At the peak of production, the plant reportedly manufactured more than a billion containers per year of various shapes and sizes. Operations included a lithographic department.

In the 1970s the ACC complex was purchased by Mr. Ronald J. Mount & Company and operated as the American Industrial Center. It was reported that, over the ensuing years, portions of the facility were leased by more than 60 tenants including tenants engaged in light manufacturing, processing, warehousing and/or administrative operations (Langan, SRIR/RAP, May 2011). Portions of Towers 4 and 5 and adjacent buildings (i.e. the basement of buildings. Envirochem's operations reportedly included blending and packaging of detergents, including handling of adhesives, alcohols, degreasers, wetting agents, corrosives, and petroleum-related products (Langan Phase I ESA, 25 August 2011).

In 2000, the former ACC complex was purchased by MSDW/Gnome New Jersey Holdings, L.P., which planned to renovate the buildings as a hotel, but never executed the plan (Langan, 09 May 2011). In 2005, the ACC complex was purchased by ACC Towers 1A, LLC, Warehouse Parcel LLC, and Vacant Parking Parcel, LLC.

As reported in Langan's Phase II Environmental Site Assessment prepared for MetroNexus, L.P. (October 2001), a total of 15 samples were collected from the ACC complex for PCB analyses. These included 9 samples identified as "wood floor chip samples," whose reported total PCB concentrations ranged from ND (0.25) mg/kg to 12 mg/kg. One concrete chip sample was collected from a location beyond the Subject Property, which showed a total PCB concentration of 2.8 mg/kg. Five wipe samples were also collected, four of which are indicated to be have been obtained from a concrete surface, with reported total PCB concentration results between ND (5.6) ug/kg/ 100 cm^2 and 15 ug/100 cm^2. The fifth wipe sample is indicated to have been collected on a metal surface of the first floor of Tower 2 with a reported total PCB concentration of 140,000 ug/ 100 cm^2.

KES did not find any information in the historical records that identified a specific source of PCBs, such as spills from known PCB-oil equipment or transformers. However, the general use of PCBs in industrial equipment during the height of operations at the ACC complex, plus the previous findings by Langan, and other observations during our own site inspections in 2012

were considered in developing an initial due diligence sampling program that was conducted in September 2012 (discussed further in Section 2.0 of this SIRP). These other observations during our site inspection included: the presence of wood block floors throughout the Towers, with several stained areas; overhead fluorescent lighting; and, multiple nonoperational electrical panels and switches.

2.0 PRE-PURCHASE CHARACTERIZATION

2.1 SAMPLE LOCATIONS AND PROTOCOL

KES conducted two rounds of pre-purchase sampling of the building material at the Subject Property. The first round was performed in September 2012 and included the collection of a total of 51 samples in mostly the unoccupied portions of the buildings. The September 2012 sampling event included 13 wood block samples, 11 concrete chip samples, 24 wipe samples, and 3 sweep samples of sediment and loose debris. Based on an examination of the results from the September 2012 sampling event, a second round of sampling was performed on 12 November 2012. This second round involved the collection of 50 additional samples and included several of the tenant-occupied spaces within the towers and areas that were not accessible during the initial sampling event. The November 2012 pre-purchase characterization sampling included 26 wood block samples and 24 wipe samples.

Figures 3 through 9 show all the sampling locations for floors 7 through 1 for the two towers, respectively. Descriptions of all the individual sampling locations are provided on Tables 1 through 8. It is noted that a separate figure of the sampling locations in the Boiler House/ Basement area is not included in this SIRP because a sufficient base map was not available to develop a site sample location plan for this area of the Subject Property. However, descriptions of the sample locations in the Boiler House/ Basement area are included on Table 8, and the results show that remediation of only one isolated location (the bottom of an open shaft by the east of the basement) is required.

Sample collection was conducted in general accordance with the protocol presented in USEPA Region I *Standard Operating Procedure for Sampling Concrete in the Field* (draft, December 1997), wipe sample protocol per 40 CFR 761.123, and the USEPA guidance *How to Test for PCBs and Characterize Suspect Materials*. The sample identification system used by the KES sampling team coded the tower and floor and the type of sample collected. For example, sample T5-6-WB-61 was collected in Tower 5 (T5-) on the sixth floor (6-), and this wood block (WB-) sample material was the 61st sample collected during the pre-purchase characterization. Other sample types were identified in the sample nomenclature as CH- (concrete chip samples), WP- (wipe samples), and SW- or SED'T- (sweep or sediment samples).

Wood block samples were generally obtained by drilling a series of shallow (to ¼-inch) holes into a 1-foot square section of wood block floor, using a decontaminated stainless steel paddle bit, 1 to 1.5-inches wide. The wood block shavings were then swept onto an aluminum foil lined

dust pan with a new clean bristle brush. The wood block shavings were then transferred to the laboratory-provided jars, labeled, and stored on ice in a cooler until released to a courier for the laboratory under chain of custody protocol. Concrete chip and sweep/sediment sample collection likewise used dedicated brushes and new aluminum dust pan linings at each location.

Wipe samples were collected using a dedicated 300 cm^2 template at each location. The laboratory provided hexane-soaked gauze inside a sample container for each sample collected. Once the surface sample was wiped across the template in two directions, the entire gauze pad was returned to the sample container which was then labeled and stored on ice in a cooler until released to a courier for the laboratory under chain of custody protocol.

All analyses were performed by the ALS laboratory in Middletown, Pennsylvania. The ALS laboratory is a New Jersey certified laboratory (NELAP Certification NJPA010).

Quality assurance samples collected during the pre-purchase characterization sampling events included a duplicate sample of wood block material. These duplicate samples (FL-1-WB-32 and FL-1-WB-33) were obtained on the first floor loading dock area of Tower 5 and yielded results of 0.51 and 0.50 mg/kg PCB, respectively. Two field blank wipe samples were also submitted to the laboratory (T4-6-WP-103 and BH-WP-21), which were prepared by transferring a hexane-soaked gauze from one lab-supplied container to another in the field and submitting it to the lab for analyses. These field blank wipe samples showed no detectable levels of PCBs.

The laboratory reporting limits were compared to the referenced PCB criteria for all samples. At one location (T4-6-WB-62) only did the reporting limit exceed the relevant criteria. The high reporting limit appears to be related to high staining at the sampling location and possible matrix interference effects during the laboratory analyses. All in all, though, the pre-purchase sample analytical program met the program objective of providing reliable initial characterization of the building material of the Subject Property.

2.2 ANALYTICAL RESULTS

The full laboratory analytical packages from the September 2012 and the November 2012 pre-purchase sampling events are provided as Appendix A and Appendix B, respectively.

Table 9 includes a summary of the results of all PCB analyses of the wood block samples. Table 10 includes a summary of the results of all PCB analyses of concrete chip and sweep/sediment samples. Comparisons are made on these tables to both the NJDEP Residential Direct Contact Soil Remediation Standard (RDCSRS) of 0.2 mg/kg and the Nonresidential Direct Contact Soil Remediation Standard (NRDCSRS) of 1.0 mg/kg. The total PCB results are also included on Tables 1 through 8.

Table 11 includes a summary of the results of all PCB analyses of the wipe samples. As noted in Section 2.1 above, the templates used for the wipe samples were 300 cm^2. The USEPA reference criterion for wipe samples is based on a 100 cm^2 surface, but the laboratory reports results for wipe samples on a "per wipe gauze" basis. KES provides a converted value of the laboratory results (i.e., one-third) on the above-referenced tables so that a ready comparison to the USEPA criterion of 10 ug/ 100 cm^2 can be made for discussion purposes throughout this report.

Table 12 provides a summary of results for sample BH-SED'T-18. This was the only sample collected during pre-purchase sampling events that included analyses for constituents in addition to PCBs. This sample result is representative of an approximate 5 cubic yards of coal ash/ sediment present on top of a concrete floor surface in a former rail spur area of the Boiler House/Basement. The additional analyses to characterize this material included TCL metals and TAL semivolatile organic compounds.

2.3 DISCUSSION OF FINDINGS AND CONCEPTUAL MODEL

The findings from the pre-purchase sampling and analyses include the following relevant to the characterization of the Subject Property:

- Wood block is found on all floors of both Towers 4 and 5, but was not present in the Boiler House/ Basement Area of the Subject Property.

- The PCB concentrations which exceed the RDCSRS and NRDCSRS are present mostly in the wood block. With a few exceptions, the concrete samples collected of floor space beneath present or past wood block areas did not show an exceedance of PCB criteria. Where the PCB exceedances in concrete were detected, these tended to be at locations where the PCB concentrations in wood block in that general area were also elevated.

- PCB concentrations exceeding 1 mg/kg in wood block were found on each floor of both towers. With the exception of the 5th floor, at least one wood block sample exceeded 10 mg/kg on each floor. With 1 exception in a total of 39 wood block samples, none of the PCB concentrations exceeded 100 mg/kg.

- With one exception in a total of 48 wipe samples, there were no exceedances of the USEPA criterion of 10 ug/ 100 cm2. The one exceedance location is in a presently vacant portion of Tower 4 on the 7th floor (sample T4-7-WP-45).

There are no apparent continuing sources of PCBs at the Subject Property. There are no known specific historic sources or spills of PCB-containing material at the Subject Property. Based on the widespread distribution but generally low concentrations of PCBs found, it appears that multiple incidental releases from PCB-containing equipment or fluids may have occurred in the past.

There were extensive canning operations that occurred at ACC complex into the mid-1970's, and a host of other commercial and light industrial tenants after that time. There is little documentation on the specific equipment and fluids used by these past operations, and no available information to specifically indicate that such equipment or fluids contained PCBs. However, it is assumed that these operations involved the use of oil-containing equipment on multiple floors throughout the complex. The heyday of the canning and other manufacturing operations at the Subject Property preceded the ban on PCBs in 1979. In addition, fluorescent light fixtures were observed in many areas of the Subject Property during the due diligence site inspection, and it may be assumed that these were ubiquitously more present in the past; the consideration here is that ballasts in such fluorescent light fixtures often contained PCBs. Oils used in elevators, forklifts, and other machinery throughout the Subject Property towers are considered as other potential historic sources of incidental PCB releases.

From the characterization data to date, concentrations of PCBs do appear to be generally higher on the upper floors of the towers than the lower floors. However, there is no apparent correlation of known past operations to PCB concentrations observed to indicate a potential source. For example, the anomalously high detection of 222 mg/kg is reported from the 6th floor of Tower 5, whose known past use included storage of tin plates, containers, and cans (per "Hudson Factory 2401 Drawing A18," dated 1965, as included in the Langan Preliminary Assessment Report of May 2002); a storage area as described would not be considered a suspect source area for PCB-containing equipment. Conversely, the known area of a former machine shop on the 6th floor of Tower 4, which could have been regarded as a potential source area, showed PCB concentrations that were substantially lower than the storage space, between 8.5 and 19.7 mg/kg.

Whatever the past sources of PCBs may have been at the Subject Property, the Conceptual Model for this SIRP considers that most of the PCBs now reside in the wood block flooring material. Furthermore, although the PCBs are present in wood block at both vacant and presently occupied spaces, there appears to be minimal areas of present concern for direct contact or inhalation of the PCB material. It appears, basically, that PCB from historical releases penetrated into the wood block structure and that most of it presently remains there. This Conceptual Model is supported by the finding that none of the PCB concentrations in the wipe samples collected from tenant-occupied spaces of the Subject Property exceed the USEPA criterion of 10 ug/ 100 cm^2; and, also by the general absence of PCBs in the concrete samples at concentrations above 10 mg/kg.

In developing this Conceptual Model and the remediation plans that follow, there were other common potential PCB sources that were considered and dismissed. For example, paints have been increasingly recognized to be a source of PCBs at older industrial sites. The wood block over many areas of the two towers is painted. However, much of the wood block is not painted. There appears to no correlation of higher PCB concentrations in areas of painted wood block as compared to areas of unpainted wood block. Additionally, consideration was given to the possibility that PCBs were being released from caulking material. However, there was very little caulking material observed in these structures during KES' 2012 site inspection, and the wipe samples at window ledges and other surfaces where caulking was present showed no elevated PCB concentrations compared to other areas.

3.0 PCB REMEDIATION PROGRAM

3.1 REMEDIAL OBJECTIVES

The goal of the SIRP is to decontaminate the building interior for continued non-residential use. High occupancy (i.e., greater than 6.7 hours per week) personnel usage by commercial tenants throughout the building space is anticipated. The remedial objectives of this SIRP are to:

- Complete the characterization of PCB in wood block, concrete, and other building material in portions of the property that were not accessible or otherwise not sampled during the Pre-Purchase period;

- Remove all building material in excess of 10 mg/kg PCB from the property;

- Implement proper in-place PCB management controls at select areas of the property where PCBs will remain in the building material at concentrations between 1 mg/kg and 10 mg/kg; and,

- Limit access and exposure while the PCB building material remediation is underway.

These remedial objectives are consistent with 40 CFR 761.61 and with NJDEP's *Coordination of NJDEP and USEPA PCB Remediation Policies* (updated 03 March 2011).

3.2 GENERAL REMEDIAL APPROACH

Approximately half of the building space of Towers 4 and 5 are occupied by commercial tenants whose leases will extend into the post-purchase period. As related in Chapter 2.0 of this SIRP, several of these tenant-occupied areas were sampled during the pre-purchase period (September and November 2012) and PCBs exceeding either 1 mg/kg or 10 mg/kg were found in the wood block flooring of many of these tenant-occupied spaces. However, wipe samples in the occupied areas also sampled in this period showed no exceedances above the USEPA criteria of 10 ug/ 100 cm^2. As per the Conceptual Model discussed in Section 2.3 of this SIRP, it thus appears that

an airborne exposure to PCBs is not an immediate concern, based on the low levels of PCBs observed in the wipe samples. Nonetheless, the wood block in many of the currently occupied areas will need to be either removed or sealed (capped) in order to ensure compliance with TSCA and to alleviate future exposure concerns.

The general remedial approach will involve a phased program wherein the currently vacant spaces of the property are first remediated and restored, after which the current tenant occupants will be expeditiously relocated to these remediated and restored areas. The remedial needs of the presently occupied areas will be identified while these early remedial tasks of the unoccupied areas are underway. The integrated schedule of planned remediation, additional characterization, and tenant relocation is discussed in greater detail in Chapter 4.0 of this SIRP.

Figures 10 through 16 illustrate the status of the remedial planning to date. Each space of each floor on the two Towers is shown to be designated as one of the following:

- An area where sufficient characterization is already available to have made the determination that wood block will be removed from the flooring;

- An area where sufficient characterization is already available to have made the determination that the flooring can be properly double-sealed and managed in place; and,

- An area where additional characterization will be conducted to determine the remedial action required.

The general approach currently considered is to work from the top (7th) floor of both Towers 4 and 5 downward during a Phase I wood block removal task. The entire top floor is presently vacant, as are large portions of the 6th, the 5th and the 2nd floors. Approximately 100,000 sf of wood block will be removed from the currently vacant areas of the two towers. At least another 60,000 sf of wood block will also be removed from the currently occupied areas of the site once these tenants are relocated. Additional characterization of approximately 120,000 sf of wood block in both currently vacant and occupied portions of the property will be performed to determine the remedial requirements (i.e., removal, sealing, no action) of those locations.

Post-removal sampling of the underlying concrete will be performed within each area remediated. The limited concrete chip sample analyses to date (see Table 10) suggest that some scarification and/or solvent washing of the underlying concrete floor will be required on the 7th floor of the Towers, but may be a less frequent requirement for the lower floors. Post-removal

concrete chip samples will be collected at a proposed nominal frequency of one sample per 5,000 sf of floor space.

Each work area from which wood block will be removed will be designated as an exclusion zone (i.e., access limited to the remediation personnel) while the work is in progress and until the time that the space is certified for reuse. Wood block removal from older facilities such as the Towers tends to generate large quantities of dust, which will be managed within each individual work space with the use of vacuum filters. Engineering controls will be established at each work area to prevent the migration of dust from the work area and into common areas, elevator shafts, through windows, etc.

It is noted that the wood block flooring is not uniform throughout these buildings. There are small and large areas present on every floor where wood block had apparently been removed in the past and replaced with concrete to meet the floor height of the surrounding wood block. These concrete areas are typically asymmetrical (neither rectangular nor square) and the result of removing contaminated wood block in these areas will be that the floor area will be left with elevated concrete "islands" of about 3 to 4 inches. In situations where the concrete islands are found to be impacted with PCBs above 10 mg/kg, the concrete islands must be removed. Conversely, if the concrete surface beneath the removed wood block is found to have PCB concentrations between 1 mg/kg and 10 mg/kg and the elevated island areas are clean, new concrete may be placed to cap the impacted concrete and raise the floor grade to that of the original wood block and concrete island areas. These decisions will be made on space by space basis following review of the post-wood block removal analytical results.

As an addendum to this SIRP, a Phase II remediation plan will be provided to EPA. This addendum to the SIRP will include all the additional post-purchase analytical results and identify the rationale for the remedial action selected for the Phase II areas.

A remediated space will be considered certified for commercial reuse only after the post-removal concrete sample analyses show PCB results less than 10 mg/kg and representative wipe samples of the work area (at a nominal frequency of one sample per 5,000 sf of wall surface area) show PCB results less than 10 ug/ 100 cm^2. If these goals are not met initially, additional scarification and/or solvent washing will be performed and the area retested until the 10 mg/kg goal is met. Site remediation will include the restoration of the floor to a level horizon. The "restoration" phase of the remedial process will include the pour of new concrete and/or the application of a double coat of sealant.

KES considers the recent guidelines published by EPA regarding the management and disposal of PCB material, as presented in the 24 October 2012 EPA memo *PCB Bulk Product Waste Reinterpretation.* Based on the characterization analyses to date, we anticipate that the wastes derived from this remediation will not exceed 50 mg/kg PCB and that for disposal purposes, this material will not be considered a "PCB bulk product waste" in accordance with 40 CFR 761.3.

The wood block, which will include the underlying mastic, may be treated as a "PCB remediation waste." We request the concurrence of this interpretation by EPA as part of the review to this SIRP, so that the selection of an off-site disposal facility can be made as soon as practical.

Sections 3.3 through 3.10 below discuss the remediation plans, rationale, and additional needs for each of the seven floors in the Towers 4 and 5, plus the Basement/ Boiler House area, respectively. In some of these narratives, estimated square footages of the wood block and other surface material (concrete, steel plate, etc.) for a given floor or area are provided. These estimates are based on field measurements by KES personnel at the time of the pre-purchase inspections.

3.3 SEVENTH FLOOR.

The entire floor is unoccupied. PCB concentrations appear to be uniformly higher in the wood block on the seventh floor than elsewhere in the buildings. The average concentration of 5 wood block samples collected on the 7th Floor was 25.6 mg/kg, with a range of 12.1 to 44.1 mg/kg.

All wood block will be removed from the 7th Floor. It is estimated that the total coverage of wood block on the 7th floor is 33,000 sf, including the common areas of the hallways. Access to the entire 7th Floor will be restricted to remediation personnel in preparation for the work. All work will be conducted in a manner that controls dust from leaving the 7th Floor via elevator shafts, windows, stairwells, etc.

To date, two concrete chip samples were collected from the 7th Floor, with results that show concentrations marginally below 10 mg/kg. Following removal of the wood block, an additional 6 concrete chip samples of the exposed floor will be collected, plus 8 concrete chip samples of walls. Sample locations will be collected on a biased basis if stained locations are observed; otherwise, if a uniform surface is observed, the locations will be evenly spaced. Based on these results, a decision will be made regarding the management of PCBs in the concrete building material of the 7th Floor. Scarification and/or solvent washing of any concrete areas delineated to have PCB concentrations in excess of 10 mg/kg will be performed. Based on the post-wood block removal concrete chip sampling results, a decision will be made to either: (a) remove the elevated sections of concrete floor that have PCB concentrations between 1 and 10 mg/kg to a level where the remaining concrete surface has PCB less than 1 mg/kg, or (b) raise the floor level to that of the concrete islands and seal the concrete with a double coat of epoxy paint.

Where and when an epoxy encapsulant is employed as the sealant, the encapsulant will meet the 40 CFR 761.30(p) requirements. Two coats of the epoxy sealant will be applied. The first (base)

coat will be of a brighter primary color (e.g., red) and the top coat (referred to as the "wearing coat" in this SIRP) will be a grey or neutral color. The two contrasting colors will be used so that any wearing of the topcoat can be detected and reapplied as needed during the post-remediation monitoring period.

Following the completion of the wood block and any concrete removal/sealing, wipe samples will be collected on the 7th Floor. The wipe samples will be collected at biased (dustier) locations on non-porous surfaces such as walls, overhead piping, windows ledges, etc. Additional surficial cleaning will be performed in any area where PCB concentrations exceeding 10 ug/ 100 cm^2 is encountered. Post-cleanup wipe samples will be collected in these areas to confirm removal of surficial material to levels below 10 ug/cm^2. The 7th floor will not be used for commercial occupancy until all remediation equipment is decontaminated and removed from the floor, and all areas are demonstrated by wipe sample analyses to yield PCB concentrations below 10 ug/ 100 cm^2.

3.4 SIXTH FLOOR

A priority area for remediation on the 6th floor is the vacant space located on the north half of Tower 5, which is referred to in this plan as the TWR-5-6-North space (see Figure 11). This area is prioritized for remediation for two reasons. First, the wood block sample T5-6-WB-61 collected in this currently vacant space showed an anomalously elevated PCB concentration of 222 mg/kg. Second, the Purchaser presently plans to relocate current tenants from the 6th floor into this space once the remediation and restoration of this space is complete so that wood block floor in the currently occupied spaces of the 6th floor can be addressed. The SIRP activities for the TWR-5-6 and other 6th floor spaces are as follows.

- **The TWR-5-6-North Area.** Access to this north portion of Tower 5 will be restricted to anyone other than remediation personnel immediately upon the purchase of the property. It was noted during KES's inspection of this area in November 2012 that partial build-out of this space had occurred. Specifically, metal wall studs were erected and channels had been cut into the wood block floor for the installation of electrical conduit. It is noted that the current owner was informed of the elevated PCB concentrations in this area and that all construction activities ceased in the TWR-5-6-North Area. The remediation plans specific to this north portion of Tower 5 area as follows:

    - Four additional samples of wood block will be collected from the vacant space. The average concentration of the four new and one existing wood block sample (T5-6-WB-61) will be considered in determining whether this one area can be remediated under this SIRP. If the average PCB concentration is less than 50

mg/kg, the wood block from this space needs to considered a separate waste stream for disposal purposes under TSCA.

- All wood block from the TWR-5-6-North area will be removed and disposed of at a facility commensurate with the above additional testing. It is estimated that the coverage of wood block in this area is 10,500 sf.

- Following wood block removal, five concrete floor chip samples and four concrete/brick wall samples will be collected for PCB analyses; scarification/ solvent washing will be performed for any areas exceeding 10 mg/kg PCB and retested as needed to ascertain removal of any impacted concrete/brick material to this acceptable level. As needed, floor and wall surfaces with PCB concentrations between 1 and 10 mg/kg will be sealed with the double layer of epoxy encapsulant.

- Following the completion of the wood block and any concrete removal/sealing, wipe samples will be collected in the TWR-5-6-North area. The wipe samples will be collected at biased (dustier) locations on non-porous surfaces such as walls, overhead piping, ledges, etc. Additional surficial cleaning will be performed in any area where PCB concentrations exceeding 10 ug/ 100 cm^2 is encountered. Post-cleanup wipe samples will be collected in these areas to confirm removal of surficial material to levels below 10 ug/cm^2.

- The TWR-5-6-North area will not be considered for commercial tenant occupancy until all remediation equipment is decontaminated and removed from the area, and it is demonstrated by wipe sample analyses that PCB concentrations are below 10 ug/ 100 cm^2. After this is accomplished, current tenants from other areas on the 6th floor may be temporarily or permanently relocated into the TWR-5-6-North Area, as discussed below.

- **<u>The TWR-4-6- North Area.</u>** Two wood block samples were obtained in this area (see Figure 11), with an average PCB concentration of 14.1 mg/kg. Based on these results, all

wood block from the T-4-6-North Area will be removed. It is estimated that approximately 10,200 sf of wood block surface is present in the TWR-4-6-North area.

- **The TWR-4-6-South Area.** The one wood block sample (T4-6-WB-62) collected from this area showed that PCBs were not present at a detection level of 54.3 mg/kg. This is an abnormally high detection limit and is likely due to heavy staining and matrix interference from staining material in wood block. For the purpose of this SIRP, it is assumed that the actual PCB concentration in this area is between 10 and 50 mg/kg. All of the wood block in this space will be removed as a non-TSCA material under this Self-Implementing PCB Remediation Plan, without any additional sampling of the wood block. Approximately 7,000 sf of wood block coverage is present in this area.

- **V. Sons Trading Company.** No samples to date have been obtained at the V. Sons Trading Company space in Tower 4, as this tenant-occupied space was locked and inaccessible during the pre-purchase sampling period. However, observations of the flooring subsequent to the sampling showed that approximately 1,700 sf of floor space, which is predominantly linoleum overlying wood block, with some bare areas of loose wood block present. A wood block sample will be collected from this area and the results will be considered in the remediation options for the V. Sons Trading Company space.

- **Life & Style.** After completion of remediation within the three vacant spaces of the 6th floor indicated above, the tenant occupied space of Life & Style in Tower 5 will be addressed. Presently, the floor space is heavily covered with inventory (boxes of clothing and fabric). The total floor space in this area is approximately 10,800 sf, and appeared to be a patchwork of wood block and concrete. The areal extent of the wood block and concrete was indeterminable due to the inventory that covered most of the floor space. Wood block flooring, where observable, appeared to be in fair condition. The one wood block sample collected to date within the Life & Style space showed a PCB concentration of 8.0 mg/kg. Three additional wood block samples will be collected at representative locations in this space. If any of the additional samples show a PCB concentration exceeding 10 mg/kg, then all the wood block will be removed from the Life & Style space. If all PCB concentrations remain below 10 mg/kg, the option of managing the wood block floor in place with a double coating of epoxy encapsulant will be considered.

- **Common Areas of Towers 4 and 5.** Three representative wood block samples will be collected in the common space hallways of Towers 4 and 5 prior to conducting any remediation on the 6th floor. The analytical results will be considered in the decision to remove any or all of the wood block, or to seal it if the PCB concentrations are between 1 and 10 mg/kg.

3.5 FIFTH FLOOR.

The 5th Floor presently has three tenant occupied areas on the south side of Towers 4 and 5, and vacant spaces on the north side, as shown on Figure 12. The three wood block samples in tenant-occupied areas all showed PCB concentrations less than 10 mg/kg. The presently vacant areas on the north side were not tested prior to preparation of this SIRP due to access issues at the time of the pre-purchase sampling. The SIRP activities for the 5th Floor will include the following:

- **TWR-4-5-North and TWR-5-5-North.** Three wood block samples will be collected from the currently vacant TWR-4-5-North space and three from the currently vacant TWR-5-5-North space. If any sample shows a PCB concentration exceeding 10 mg/kg, then all wood block from that given space will be removed. If the wood block sample results are all between 1 mg/kg and 10 mg/kg PCB in these spaces, a decision will be made in consultation with the Purchaser to either remove the wood block or manage it in place with a double coat of epoxy encapsulant. Following post-remediation certification sampling and restoration of the floors in these two areas, the tenants from Radio City, All Systems Go, and Gio Draping Events will be relocated to these two north areas of the 5th floor so that the remediation of these currently occupied areas can proceed.

- **Radio City.** This tenant and their warehoused inventory will be relocated to remediated and restored areas of the current vacant areas of the 5th Floor while the wood block remediation occurs in the current Radio City area. Two additional wood block samples will be collected from the Radio City area. If either of these exceed 10 mg/kg, the wood block from this area will be removed. If both of the additional samples yield results less than 10 mg/kg, a decision will be made to either remove the wood block flooring or apply a double layer of epoxy encapsulant.

- **All Systems Go.** Based on the low level (2.3 mg/kg) of PCBs found in the sample T5-5-WB-78 collected from this space, the wood block will remain in place and be sealed with epoxy encapsulant.

- **Gio Draping Events.** The one wood block sample (T5-5-WB-80) collected at this space showed a PCB concentration of 8.4 mg/kg. The exposed wood block surface in this space is limited and will remain in place and be sealed.

- **Common Areas.** Two wood block samples will be collected from the common area (hallways) and the results will be used to determine if either removal or sealing are required to manage PCBs in the wood block.

3.6 FOURTH FLOOR.

The 4th Floor is fully tenant-occupied, as shown on Figure 13. Five wood block samples were collected on the 4th Floor with one of these samples (T4-4-WB-83) within the One Can Do space showing an exceedance of 10 mg/kg. The remedial activities for the 4th Floor will include the following:

- **Regina Imports.** A wood block sample within the Regina Imports space will be obtained for PCB analyses. Removal of the wood block from this area will be planned if the sample yields a result greater than 10 mg/kg PCB. The wood block may be managed in place with double sealing epoxy encapsulant if the results are found to be between 1 mg/kg and 10 mg/kg.

- **One Can Do.** All wood block in this area will be removed. Post removal concrete floor sampling will be conducted at the rate of 1 per 5000 sf of surface and the restoration will be planned on the basis of those results, as described earlier in this SIRP.

- **Hanover.** Three additional wood block samples will be obtained from the Hanover space, which occupies the entire 4th Floor of Tower 5. If any of the sample results show a PCB level exceeding 10 mg/kg, all the wood block will be removed from the Hanover space. The average PCB concentration of two wood block samples collected in the Hanover space to date is 3.8 mg/kg. If all of the additional sample results remain below 10 mg/kg, the wood block may remain in place and be sealed with a double layer of epoxy encapsulant.

- **Common Space.** Three wood block samples will be obtained in the common space of the 4th Floor. A decision will be made upon review of these results whether to remove the wood block in the common area or manage it in place by sealing with an epoxy encapsulant.

- **Jorgensen Carr and ICBA.** Wood block in the Jorgensen Carr and the ICBA areas showed relatively low PCB concentrations (1.8 and 1.4 mg/kg, respectively). The wood block in these areas will be managed in place by a double coating of epoxy encapsulant. Arrangements will be made to temporarily relocate these tenants as necessary to perform this coating.

3.7 THIRD FLOOR

The 3rd floor is approximately 75 percent tenant-occupied, as shown on Figure 14. The SIRP for the 3rd floor spaces involves the following:

- **Third Floor- Tower 5.** The average PCB concentration of three wood block samples in Tower 5 of the 3rd Floor was 11.7 mg/kg. The southwest quadrant of the 3rd Floor of Tower 5 is occupied by Liberty Moving, which was not accessible at the time of sampling. However, a visual inspection of the floor conditions at the Liberty Moving space should that it similarly scuffed and stained as the other three sampled areas of Tower 5. All wood block from all the tenant-occupied areas of the 3rd floor of Tower 5 will be removed.

- **Third Floor- Tower 4- North.** The two wood block samples from the two adjacent spaces occupied by Morrissey Moving Company showed PCB concentrations of 2.6 and 3.3 mg/kg. These tenant spaces will be temporarily vacated so that the flooring can be sealed with an epoxy encapsulant.

- **Third Floor- Tower 4-South.** The two wood samples from the two adjacent spaces on the south side of the 3rd floor of Tower 4 yielded an average PCB concentration marginally above 10 mg/kg. The wood block from these areas will be removed.

- **Common Space- Third Floor.** Two wood block samples were collected in the common hallway spaces of the 3rd floor, which showed PCB results of 2.1 mg/kg (T5-3-WB-16) and 1.5 mg/kg (T4-3-WB-38). Based on these results and the observed condition of the floor, the wood block may remain with a double coating of epoxy encapsulant.

3.8 SECOND FLOOR

The 2nd floor is defined as two spaces, as shown on Figure 15. The "Canco" area, which occupies all of the Tower 4 space on this floor, was recently used as an art studio but is presently vacant. The Starfire space is currently used as a warehouse. The SIRP for the 2nd floor spaces involve the following:

- **Tower 4- Canco Space.** Two of the three wood block samples collected in the presently vacant Canco space showed PCB concentrations exceeding 10 mg/kg. Wood block throughout the Canco space will be removed.

- **Tower 5- Starfire Space.** The Starfire space occupies most of the 2nd floor of Tower 5. No samples were collected in this area previously due to accessibility. Three wood block samples will be collected from this area. If any of the three samples show an exceedance of 10 mg/kg, all wood block from this area will be removed. If the samples all show PCB concentrations less than 10 mg/kg, the wood block may be sealed as the remedial alternative.

3.9 FIRST FLOOR

The 1st floor, as shown on Figure 16, includes two maintenance shops, two tenant-occupied areas, and a loading dock. The planned remedial activities for the 1st floor include the following:

- **Miz Mooz.** Two wood block samples were obtained in this large occupied warehouse space. The results varied substantially, with the one sample from the southern area of the Miz Mooz space (FL-1-WP-97) showing a PCB concentration of 23.7 mg/kg and the sample from the north-central area showing a PCB concentration of 0.99 mg/kg. Six additional wood block samples will be collected in the Miz Mooz space to determine if a reasonable delineation can be made for wood block removal. A portion of at least the southern area of the Miz Mooz space will be removed, as indicated on Figure 16. The remedial alternative for the remainder of the Miz Mooz space will be decided upon review of the additional wood block sample analyses.

- **Feed Your Soul.** This tenant occupied space is used for baking cookies. It was not possible to access the working portion of this space during the pre-purchase sampling program, but this will be a priority early in the implementation of the SIRP. At this time, the flooring material inside the Feed Your Soul bakery area is not known. An assessment of this area will be made during non-production hours (i.e., when cookies are not being baked) and an appropriate sampling program of wood block (if present), concrete/ other flooring and subflooring material, and wipe samples (if appropriate) will be conducted.

- **First Maintenance Shop.** One of the two wood block samples collected in this space showed a PCB concentration of 3.7 mg/kg. Although this concentration might suggest that the wood block could be managed in place, it was also observed that areas of loose wood block and variable degrees of staining were present. Based on these observations and the impracticability of sealing loose wood block, all wood block inside the First Maintenance Shop will be removed.

- **Second Maintenance Shop.** The Second Maintenance Shop was not accessible during the pre-purchase sampling program. However, during a subsequent inspection, it was determined that no wood block flooring is present in this area. The sampling to be

performed in the Second Maintenance Shop will include a concrete chip sample and a wipe sample. Based on those results, the need for PCB remediation inside the Second Maintenance Shop will be determined.

- **Loading Dock.** There are limited areas of wood block on the loading dock. Duplicate wood block samples (FL-1-WB-32 and FL-1-WB-33) were collected where a substantial amount of wood block was observed close to the Feed Your Soul entrance; these samples showed results of 0.51 mg/kg and 0.50 mg/kg PCB, which would not necessitate a remedial action for non-residential use. One additional wood block sample will be obtained on the loading dock, at a location closer to southern entrance to the Miz Mooz space because the sample obtained inside the southern portion of Miz Mooz showed an elevated PCB concentration (FL-1-WB-97) . A determination for any remedial action on the loading docks will be made upon review of these results.

3.10 BOILER HOUSE AND BASEMENT AREA

Two areas in the Boiler House/ Basement Area require remediation based on the results of the pre-purchase characterization analyses. These are as follows:

- Open Shaft Area. Sample BSMT-SW-27 was collected at the bottom of an open shaft way on the east end of the basement. There is a door on the shaft entrance. The PCB results from a sweep sample collected at this shaft bottom showed a PCB concentration of 0.47 mg/kg. The sweep sample was of sediment and debris, and there is a large percentage of bird waste present in the material. The material will be managed as a mixed a biocontaminated and low-level PCB waste. The removed material will be drummed for offsite disposal and the shaft way will be decontaminated with a bleach and water spray application.

- Coal Ash/ Sediment Area. Sample BH-SED'T-18 was collected at a rail spur area near the Boiler House where approximately 5 cubic yards of coal ash and sediment is accumulated over a concrete floor. The results showed PCBs present at a concentration below a concentration that would require remediation for PCBs specifically (0.12 mg/kg),

but the following constituents were found at concentrations above their respective NRDCSRS (see Table 12): benzo(a)anthracene, benzo(b)fluoranthene, and lead. This material will be mechanically removed from this area with a HEPA vacuum and placed in 55-gallon drums for offsite disposal.

These remediation actions in the Basement/Boiler area will be performed immediately after transfer of the Subject Property to the Purchaser and not considered in the schedule of other tasks defined under this SIRP in Chapter 4.0.

4.0 PROJECT SCHEDULE AND TASK DESCRIPTIONS

4.1 OVERVIEW

The SIRP project is defined as 12 tasks. The SIRP was developed during the pre-purchase period with the intent that the Purchaser can submit this to USEPA immediately upon closing, so that review and actual remediation can be initiated at the Subject Property expeditiously. The table below summarizes the currently anticipated start and completion of the 12 project tasks. As may be inferred from the schedule, many of these tasks will be ongoing concurrently, so that remediation, restoration, and reuse of the spaces can occur in an efficient manner. Sections 4.2.1 through 4.2.12 provide further descriptions of the individual tasks.

TASK/ ACTIVITY	ANTICIPATED START	ANTICIPATED COMPLETION
1/ Phase I Plan Submittal and Approval	Late December 2012	Late January 2013
2/ Occupant Notifications	Early January 2013	Mid-January 2013
3/ Post-Purchase Additional Characterization	Mid-January 2013	Mid-February 2013
4/ Remediation Contract Documents	Mid-January 2013	Early February 2013
5/ Phase I Wood Block Removal From Vacant Spaces	Mid-February 2013	Early April 2013
6/ Phase I Space Restoration of Vacant Spaces	Early March 2013	Late April 2013
7/ Phase II Plan Submittal and Approval	Late February 2013	Late March 2013
8/ Phase II Tenant Relocation	Late March 2013	Late April 2013
9/ Phase II Wood Block Removal and Sealing Operations	Early April 2013	Late May 2013
10/ Phase II Space Restoration	Early May 2013	Late June 2013
11/ Remedial Action Report	Late May 2013	Late July 2013
12/ Post-Remediation Monitoring/ Deed Notice	Mid-July 2013	Ongoing

4.2 TASK DESCRIPTIONS

4.2.1 TASK 1- PHASE I PLAN SUBMITTAL AND APPROVAL

Submittal of this SIRP to EPA by the Purchaser of the Subject Property is the first task associated with this remediation. A copy of this document is submitted concurrently to NJDEP. As per 40 CFR 761.61, we understand that the EPA Regional Administrator will respond in writing within 30 days of receipt of this SIRP to either approve, disapprove, or request additional information on the plan. We encourage an open dialogue with EPA and the NJDEP during this review period if there are any questions. Please contact either of the following during the review process if there are any questions:

Daniel E. Erdman, P.G., LSRP
Keystone E-Sciences Group, Inc.
derdman@keystoneesg.com
610-407-4001 x27 (office)
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Fran Mulnick Parker, Esq.
fran@fmparkerlaw.com
212-647-7392

It is understood that the Purchaser is permitted to proceed with the remediation plans as presented in this SIRP should no response from EPA be obtained within 30 days of receipt.

4.2.2 TASK 2- OCCUPANT NOTIFICATIONS

Immediately following purchase of the property, the current tenants whose leases will remain in effect will be notified in writing of the pending remediation. The notification letters will include statements as to the general findings of the pre-purchase sampling and analyses. Where currently known, a description of the planned remedial activities at the tenant's specific space (i.e. wood block removal or application of the double coat of epoxy encapsulant) will be

identified. It will be stated that their temporary or permanent relocation to remediated and restored portions of the property will be conducted in a timely manner.

4.2.3 TASK 3- POST-PURCHASE ADDITIONAL CHARACTERIZATION

Figures 10 through 16 identify those areas where additional pre-remedial characterization will be conducted. These include spaces that were not accessible during the pre-purchase sampling events in September and November 2012 and those spaces where additional sampling results will be used to determine whether the wood block in a given space will be either removed or sealed, as discussed in Chapter 3.0 of this SIRP. The Task 3 post-purchase additional characterization will be initiated within a few weeks of purchase of the property so that any additional spaces requiring wood block removal can be identified prior to the start-up of the Task 5 Phase I wood block removal efforts.

The Task 3 wood block additional sampling locations and the numbers of anticipated samples are summarized as follows:

- Seventh Floor: None
- Sixth Floor: TWR-5-6-North (4); Life & Style (3); V. Sons Trading Co. (1); Common Space (3)
- Fifth Floor: TWR-5-5 North (3); TWR-4-5-North (3); Radio City (2); Common Space (2)
- Fourth Floor: Hanover (3); Regina Imports (1); Common Space (3)
- Third Floor: None
- Second Floor: Starfire (3)
- First Floor: Miz Mooz (6); Loading Dock (1); Feed Your Soul (to be determined upon inspection); Second Maintenance Shop (1 concrete chip and 1 wipe sample; no wood block)

As per the pre-purchase sampling protocol, the Task 3 samples will be collected in accordance with accepted TSCA protocol. Laboratory analyses will be performed by a New Jersey accredited laboratory.

4.2.4 TASK 4- REMEDIATION CONTRACT DOCUMENTS

Remediation contract document preparation will be initiated shortly after purchase of the property, with the intent of having these finalized within 30 days of submittal of the SIRP. This timing will allow any relevant changes to the intended specified protocol and scope of work resulting from EPA's SIRP review comments to be incorporated into the contract documents.

Requests for proposal (RFPs) will be provided to at least three qualified remediation contractors with experience on similar projects. A KES representative will conduct a pre-proposal walkthrough of the property with the selected bidding contractors. A Site-Specific Health and Safety Plan, documentation of appropriate HAZWOPER training and medical monitoring of site personnel, and a project schedule will be required of the selected contractor. With the objective of relocating current tenants to remediated and restored spaces as soon as practical after purchase, time will be considered of the essence on this project. A principal consideration in contractor selection will be the ability to initiate the work within the anticipated start-up period and to provide sufficient manpower and equipment to complete the tasks in an efficient manner.

4.2.5 TASK 5- PHASE I WOOD BLOCK REMOVAL FROM VACANT SPACES

The Phase I wood block removal efforts of Task 5 are expected to be initiated within six weeks of submittal of this SIRP. The project schedule indicated above suggests a six-week period for completion of Task 5. This long duration allows that some substantial amount of additional floor space from those areas identified on Figures 10 through 16 as requiring additional characterization will indeed have wood block removed from them as part of the Phase I wood removal task. The total area of known required Phase I wood block removal at this time is approximately 100,000 sf; this includes only those currently vacant areas of the property where pre-purchase characterization verifies that wood block needs to be removed. However, there is also approximately 120,000 sf of floor surface in occupied and unoccupied areas of the Towers that will be further characterized during the Task 3 efforts, and some of this area will likely be added to the Task 5 wood block removal activities. The duration of Task 5 could be less than six

weeks if the Task 3 post-purchase additional characterization analytical results show that only limited additional wood block in the currently vacant areas requires removal.

4.2.6 TASK 6- PHASE I RESTORATION OF VACANT SPACES

Restoration of the vacant areas can be initiated immediately after certifying by post-removal sample analyses that PCBs have been remediated to acceptable levels from the given space. For example, all wood block from the 7th floor will be removed as per the plans in this SIRP. Following this removal, exposed concrete flooring will be sampled and wipe samples will be collected. Should these post-removal PCB analyses show levels below 1 mg/kg in the building material and below 10 ug/ 100 cm^2 in the wipe samples, the 7th floor would be deemed certified for restoration without any additional capping and long-term maintenance requirements. Should the post-removal PCB analyses show levels between 1 and 10 mg/kg in the building material, the space would still be deemed certified for restoration, but will require capping or sealing of the floor area as part of the space restoration. If the post-removal PCB analyses show levels above 10 mg/kg, iterative removal steps will be performed as needed and the areas will be retested.

As inferred from the schedule above, the anticipated start of the Task 6 Phase I Restoration of Vacant Spaces is a few weeks after the Task 5 Phase I Wood Block Removal is initiated. That is, once the Task 5 removal activities are completed on the 7th floor and the remediation equipment and crew are moved to the 6th floor, the restoration of the 7th floor can commence.

4.2.7 TASK 7- PHASE II PLAN PREPARATION

An update to the SIRP will be provided to EPA, with a copy to NJDEP, approximately 3 months after submittal of this initial SIRP. The Task 7 Phase II SIRP Addendum will include the results from the Task 3 post-purchase additional characterization and the decisions for space-specific remedial actions (e.g, wood block removal, floor sealing, or no action) based on the Task 3 additional analyses and the post-removal analyses from the Task 5 Phase I Wood Block Removal.

The Phase II Plan will include an update, as needed, of the overall project schedule. This Phase II Plan is anticipated for completion and submission to EPA approximately four months after submittal of this SIRP.

4.2.8 TASK 8- PHASE II TENANT RELOCATION

Tenant relocation to remediated spaces is anticipated to commence approximately four months after submittal of this SIRP. This assumes an approximate three week period between the time that restoration commences at the first remediated vacant spaces and the time that these restored first spaces are ready to be occupied.

4.2.9 TASK 9- PHASE II WOOD BLOCK REMOVAL AND SEALING OPERATIONS

Following the Task 8 tenant relocations, the remediation of the currently occupied areas will commence. Certain currently occupied spaces are already designated for Phase II wood block removal, as identified on Figures 10 through 16 and as listed below:

- Floor 4: One Can Do
- Floor 3: Eagle Van Lines, Liberty Moving Group, PDI, and Quadrille
- Floor 1: First Maintenance Shop and at least a portion of the Miz Mooz space

Other currently occupied spaces are already designated for Phase II floor sealing in lieu of wood block removal, as listed below:

- Floor 5: All Systems Go and Gio Draping Events
- Floor 4: Jorgenson-Carr and ICBA
- Floor 3: Both spaces occupied by Morrissey Moving Company

The remedial activities of the following tenant-occupied and common space areas will be determined based on the results of the Task 3 post-purchase additional characterization analyses:

- Floor 6: Life & Style, V. Sons Trading Co., and the Common Space
- Floor 5: Radio City ands the Common Space
- Floor 4: Hanover, Regina Imports and the Common Space
- Floor 2: Starfire
- Floor 1: Feed Your Soul, Second Maintenance Shop, a portion of the Loading Dock, and the majority of the Miz Mooz space

4.2.10 TASK 10- PHASE II SPACE RESTORATION

The Phase II Space Restoration process will follow the completion of remediation activities at the spaces from which the current tenants had been relocated. It is presently anticipated that the Phase II Space Restoration will be completed approximately six months after submittal of this SIRP. As with the Phase I spaces, the Phase II areas will be deemed certified for restoration once the additional site characterization or post-removal analyses shows that PCB concentrations in the remaining building material are below 10 mg/kg.

4.2.11 TASK 11- REMEDIAL ACTION REPORT

Upon completion of all PCB remediation and restoration, a Remedial Action Report (RAR) will be finalized. The RAR will document the remediation action conducted in each space of the Subject Property. It will identify those areas where PCBs in excess of 1 mg/kg were allowed to remain in place and what remedial alternative (e.g., double sealing with an epoxy encapsulant) was used to cap the restricted areas. The post-remediation monitoring requirements for each specific space will be presented in the RAR.

Appendices to the RAR will include all laboratory reports of analyses associated with the post-purchase additional characterization (Task 3) and the post-remediation analyses. All waste manifest records associated with the transport and disposal of impacted building materials will be included in RAR as well. The RAR is anticipated for completion approximately seven months from issue of this SIRP.

4.2.12 TASK 12- POST-REMEDIATION REQUIREMENTS

The post-remediation monitoring requirements will be ongoing after completion of the remediation and restoration. As per above, these requirements per specific building spaces will be identified in the RAR. Presently, the following are anticipated:

- In areas where a double coat of epoxy encapsulant is used over building material with PCBs between 1 mg/kg and 10 mg/kg, periodic inspections of these areas will be conducted by the Purchaser. When the upper (wearing) coat of sealant has eroded, it will be replaced. All future leases associated with these spaces will specify that tenants are not permitted to drill into or otherwise disturb or remove the sealant.

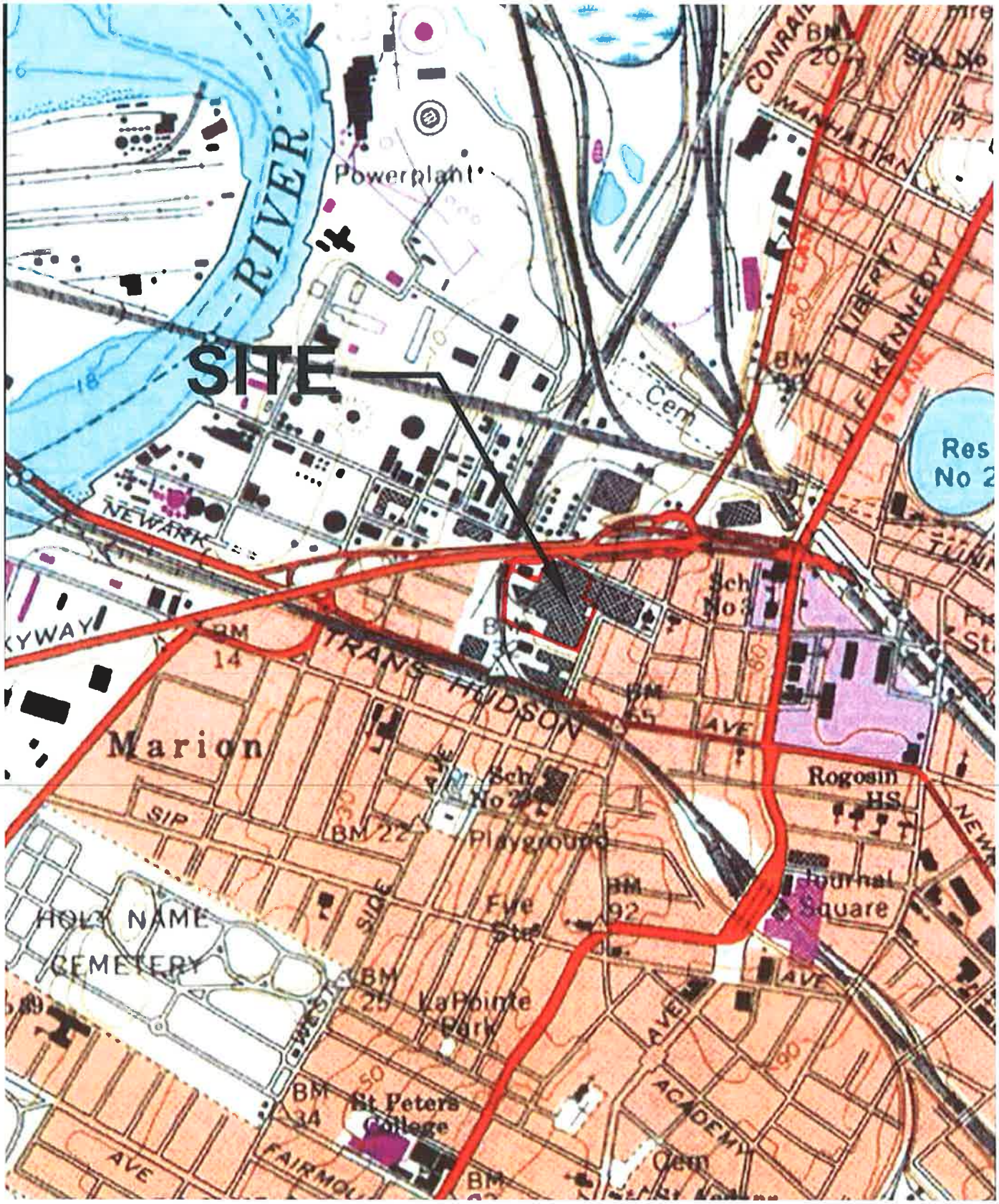
- In areas where concrete may be placed to raise floor grade and encapsulate an existing concrete surface where PCBs between 1 mg/kg and 10 mg/kg are allowed to remain in place, similar restrictions on cap disturbance will be specified.

It is anticipated that the post-remediation monitoring will be a self-performed activity by the Purchaser, without required submittals of the periodic inspection records to either EPA or

NJDEP. The inspections records, however, will be maintained by the Purchaser for review if requested. The marking requirements (PCB M_L mark) of 40 CFR 761(a)(4)(B) will be used for each building space where residual PCBs are left on site for in-place management.

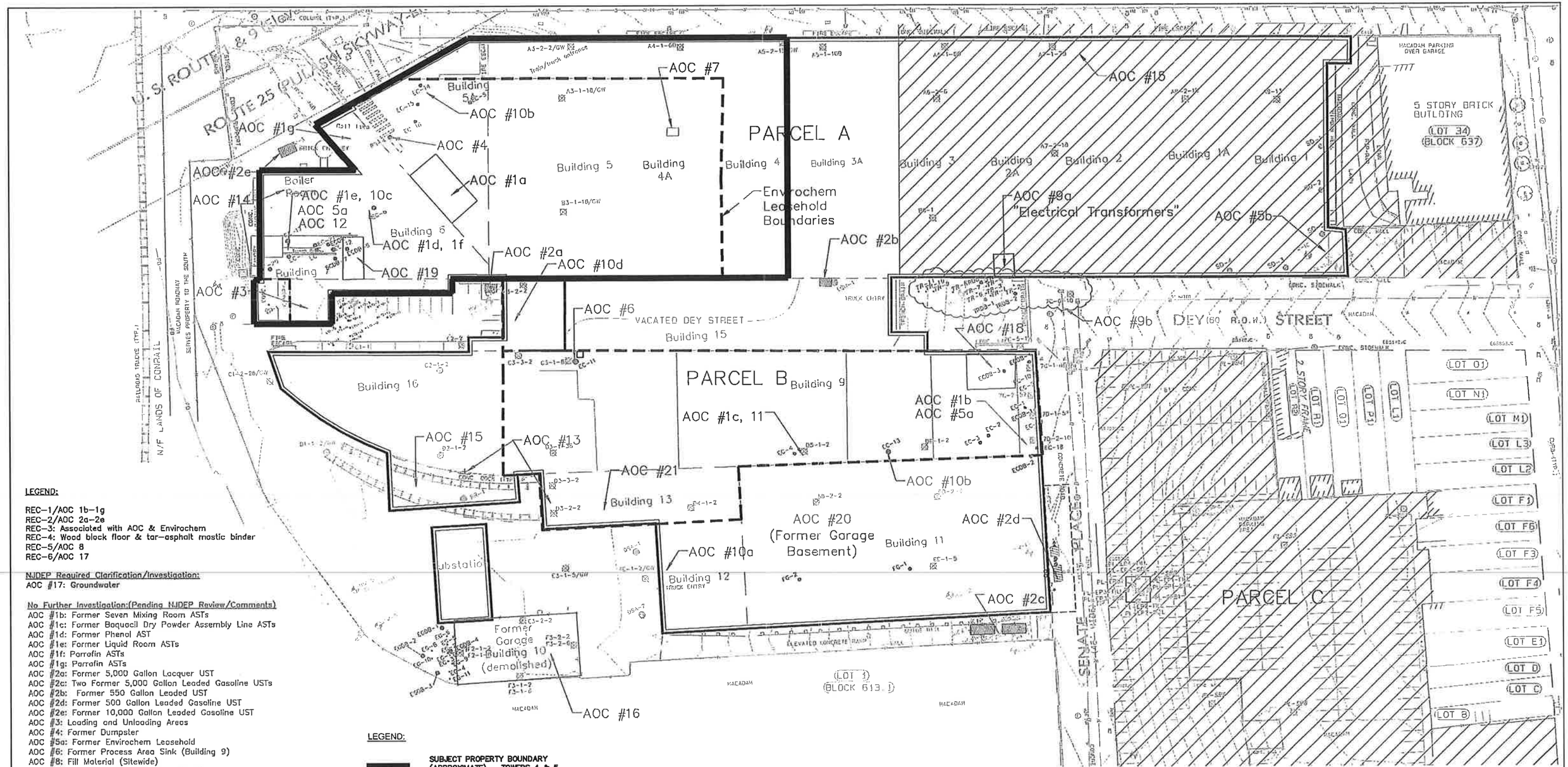
As per 40 CFR 761.61(a)(8), a deed restriction requirements will be implemented for any remediated area where PCBs will be managed in place and encapsulated (i.e., where residual concentrations of PCBs will remain in the building material at concentrations between 1 mg/kg and 10 mg/kg). The restrictions will include a Deed Notice indicating the locations of the restricted areas, the residual concentrations in the building material, and the type of restricted building material. The notice will serve as a disclosure in perpetuity that PCB waste has been disposed of on site, that all future owners must maintain the protective coating or barrier that has been placed, and that the property is limited to non-residential use.

FIGURES



SITE LOCATION PLAN
NOT TO SCALE

50 DEY STREET COMPLEX JERSEY CITY, NEW JERSEY	
FIGURE 1	PROJECT #12038
SITE LOCATION PLAN	
KEYSTONE E-SCIENCES GROUP FRAZER, PENNSYLVANIA	



LEGEND:

REC–1/AOC 1b–1g
REC–2/AOC 2a–2e
REC–3: Associated with AOC & Envirochem
REC–4: Wood block floor & tar–asphalt mastic binder
REC–5/AOC 8
REC–6/AOC 17

NJDEP Required Clarification/Investigation:
AOC #17: Groundwater

No Further Investigation:(Pending NJDEP Review/Comments)
AOC #1b: Former Seven Mixing Room ASTs
AOC #1c: Former Baquacil Dry Powder Assembly Line ASTs
AOC #1d: Former Phenol AST
AOC #1e: Former Liquid Room ASTs
AOC #1f: Parrafin ASTs
AOC #1g: Parrafin ASTs
AOC #2a: Former 5,000 Gallon Lacquer UST
AOC #2c: Two Former 5,000 Gallon Leaded Gasoline USTs
AOC #2b: Former 550 Gallon Leaded UST
AOC #2d: Former 500 Gallon Leaded Gasoline UST
AOC #2e: Former 10,000 Gallon Leaded Gasoline UST
AOC #3: Loading and Unloading Areas
AOC #4: Former Dumpster
AOC #5a: Former Envirochem Leasehold
AOC #6: Former Process Area Sink (Building 9)
AOC #8: Fill Material (Sitewide)
AOC #9b: Soil Contamination (Dey Street)
AOC #10a: Former Drum Storage Area (Building 12)
AOC #10b: Former Envirochem Leasehold Drum Storage Area
AOC #10c: Former Drum Storage Area (Building 7)
AOC #10d: Former Drum Storage Area (Building 5A)
AOC #11: Discolored Area (Envirochem)
AOC #12: Former Non–Contact Cooling Water Discharge
AOC #13: Loading and Unloading Areas (Building 13 and 16)
AOC #14: Boiler Room
AOC #15: Railroad Siding (Parcel A/B, outside)
AOC #16: Former Garage (Building 10)
AOC #17: Groundwater (Sitewide)
AOC #18: Former Machine Shop (Building 9, First Floor)
AOC #19: Former 1910 Machine Shop (Building 7)
AOC #20: Former Garage (Building 11, Basement)
AOC #21: Former Train Shed (Building 13)

NFA/Deed AOCs:
AOC #1a: 20,000 Gallon Heating Oil AST
AOC #5b: Former Standard Display drains, (Building 1, basement)
AOC #7: Former Dry Well (Building 4, basement)
AOC #8: Fill Material (Tower 1–3 and Park Lot)
AOC #9a: Electrical Transformer (Building 2)
AOC #15: Railroad Sidings (Building 1–3)

LEGEND:

- SUBJECT PROPERTY BOUNDARY (APPROXIMATE) – TOWERS 4 & 5 AND BOILER HOUSE/BASEMENT AREA
- PARCEL A (TOWERS 1-5,BALERHOUSE)
- PARCEL B (WAREHOUSE)
- PARCEL C (PARKING LOT)
- DEED RESTRICTED AREA (RELATED TO AOC #8)
- 1989 Dan Raviv (DRA) Sample Locations
- 2000, 2001, 2004 Langan Sample Locations
- Monitoring Well Locations
- 2005 and 2007 WSP Sample Locations

NOTE:

SITE PLAN DEVELOPED FROM LANGAN ENGINEERING & ENVIRONMENTAL SERVICES, DRAWING No. 3 "SITE PLAN WITH REC/AOC" (08/24/11)

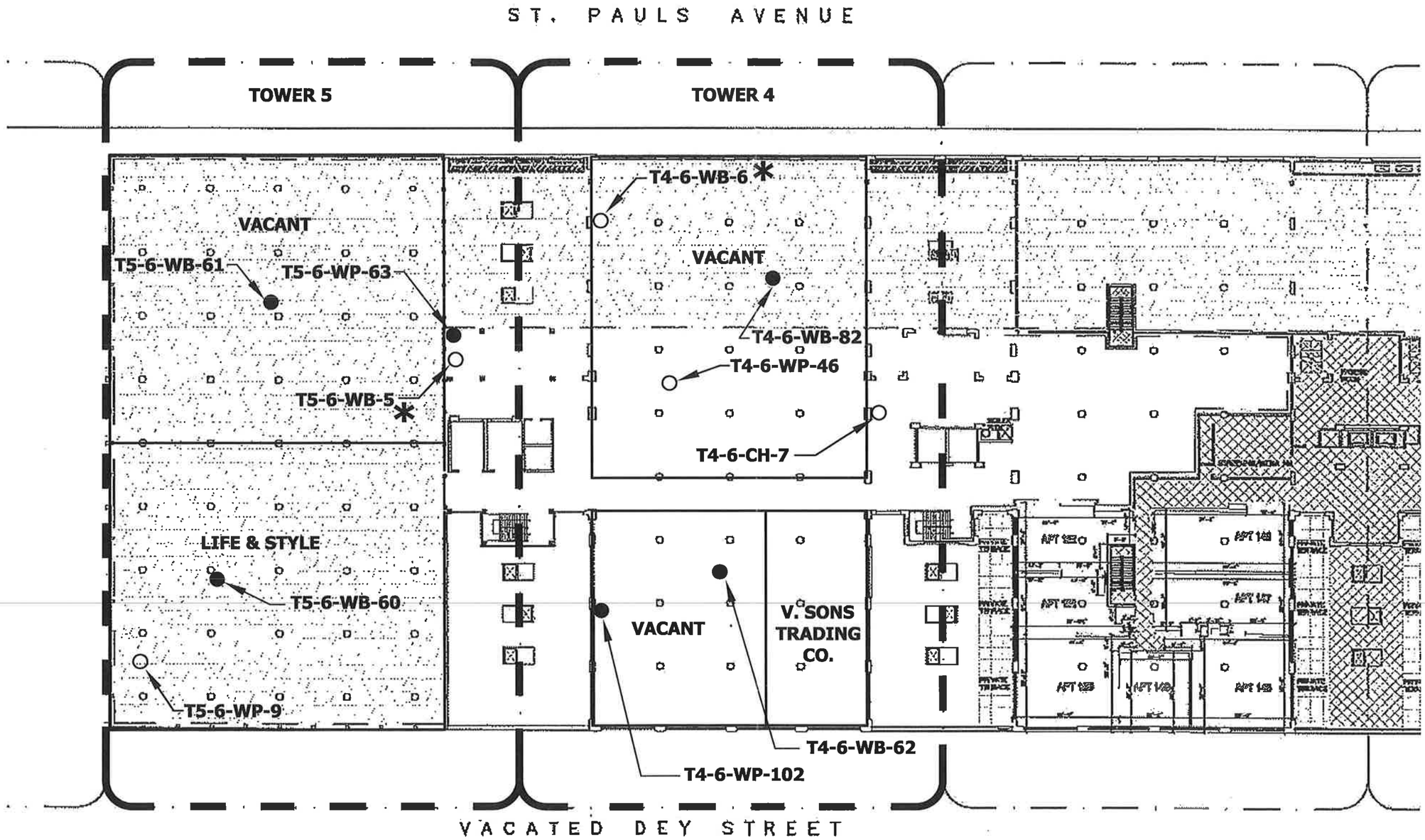
50 DEY STREET COMPLEX
JERSEY CITY, NEW JERSEY

FIGURE 2	PROJECT #12038

FORMER AMERICAN INDUSTRIAL COMPLEX AND SUBJECT PROPERTY LOCATION PLAN

SELF–IMPLEMENTING PCB REMEDIATION PLAN
DECEMBER 2012

KEYSTONE E-SCIENCES GROUP
FRAZER, PENNSYLVANIA



LEGEND:

- ○ PCB SAMPLING LOCATION (SEPTEMBER 2012)
- ● PCB SAMPLING LOCATION (NOVEMBER 2012)
- * LOCATION TO BE FIELD VERIFIED

NOTES:

(1) NOT TO SCALE.

(2) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES SEPTEMBER THROUGH NOVEMBER 2012.

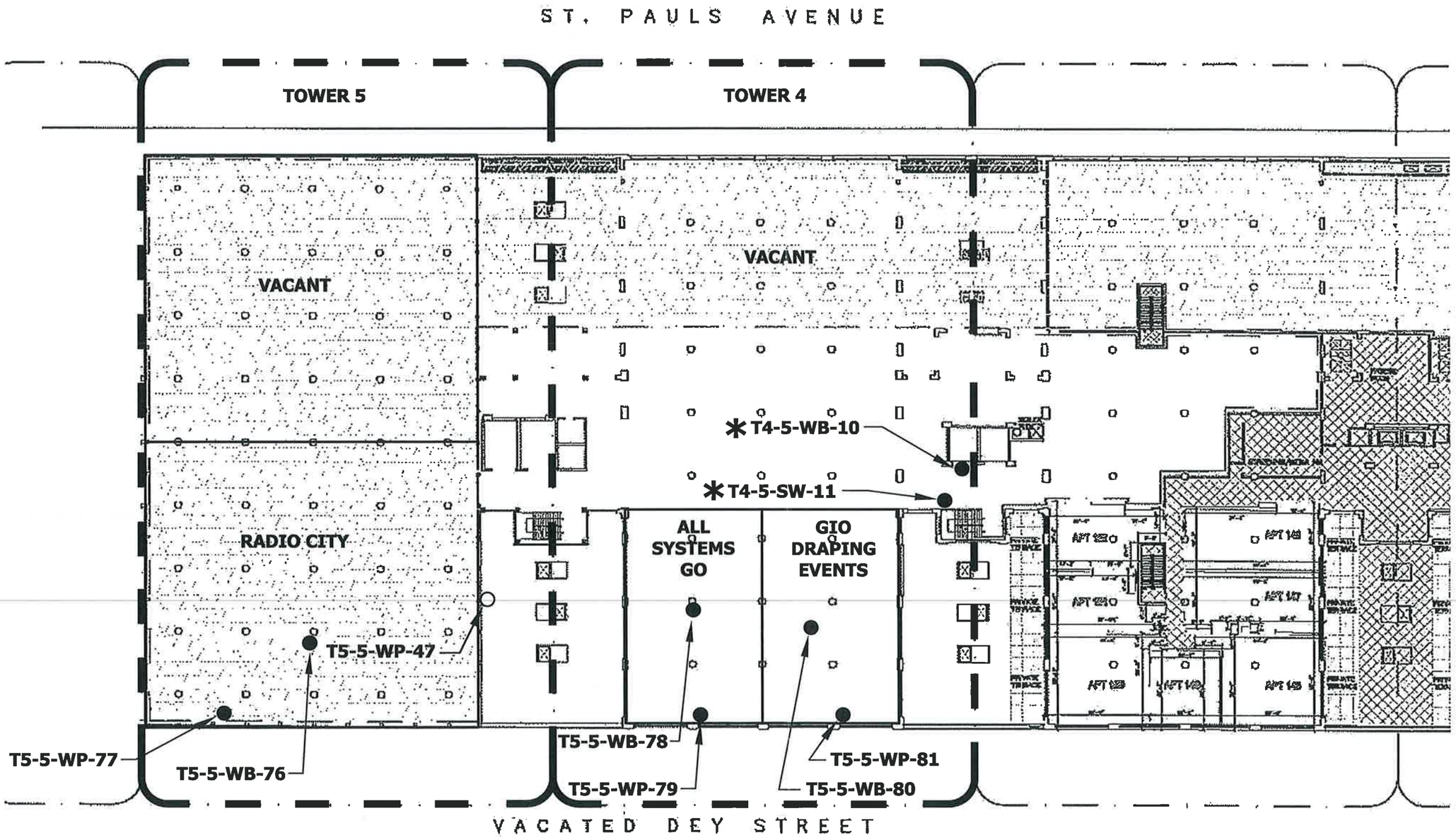
50 DEY STREET COMPLEX
JERSEY CITY, NEW JERSEY

FIGURE 4	PROJECT #12038

SEPTEMBER & NOVEMBER 2012
SAMPLE LOCATION PLAN
SIXTH FLOOR TOWERS 4 AND 5

SELF–IMPLEMENTING PCB REMEDIATION PLAN
DECEMBER 2012

KEYSTONE E-SCIENCES GROUP
FRAZER, PENNSYLVANIA



LEGEND:

- ○ PCB SAMPLING LOCATION (SEPTEMBER 2012)
- ● PCB SAMPLING LOCATION (NOVEMBER 2012)
- ✱ LOCATION TO BE FIELD VERIFIED

NOTES:

(1) NOT TO SCALE.

(2) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES SEPTEMBER THROUGH NOVEMBER 2012.

50 DEY STREET COMPLEX

JERSEY CITY, NEW JERSEY

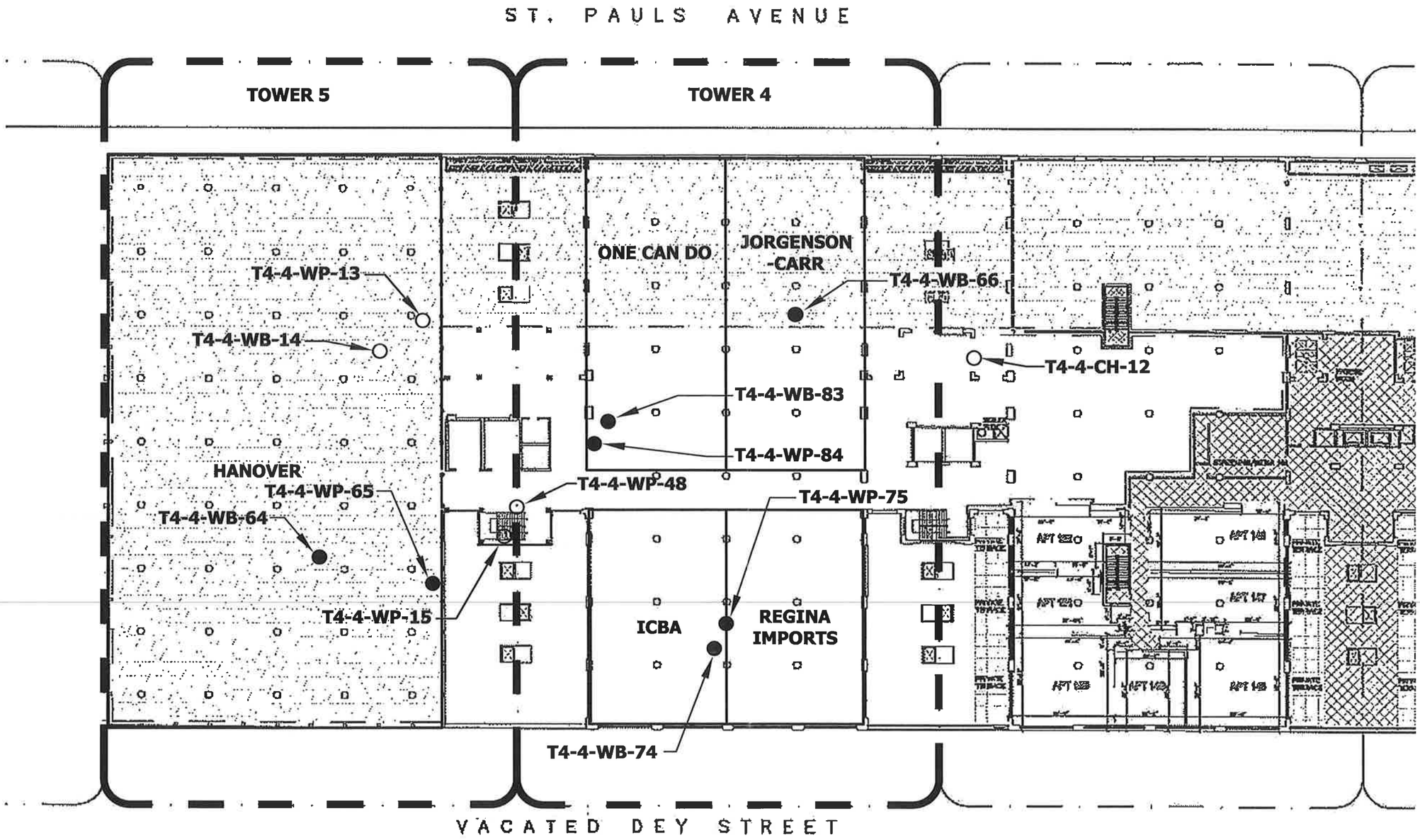
FIGURE 5	PROJECT #12038

SEPTEMBER & NOVEMBER 2012
SAMPLE LOCATION PLAN
FIFTH FLOOR TOWERS 4 AND 5

SELF–IMPLEMENTING PCB REMEDIATION PLAN
DECEMBER 2012

KEYSTONE E-SCIENCES GROUP

FRAZER, PENNSYLVANIA



LEGEND:

- ○ PCB SAMPLING LOCATION (SEPTEMBER 2012)
- ● PCB SAMPLING LOCATION (NOVEMBER 2012)

NOTES:

(1) NOT TO SCALE.

(2) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES SEPTEMBER THROUGH NOVEMBER 2012.

50 DEY STREET COMPLEX

JERSEY CITY, NEW JERSEY

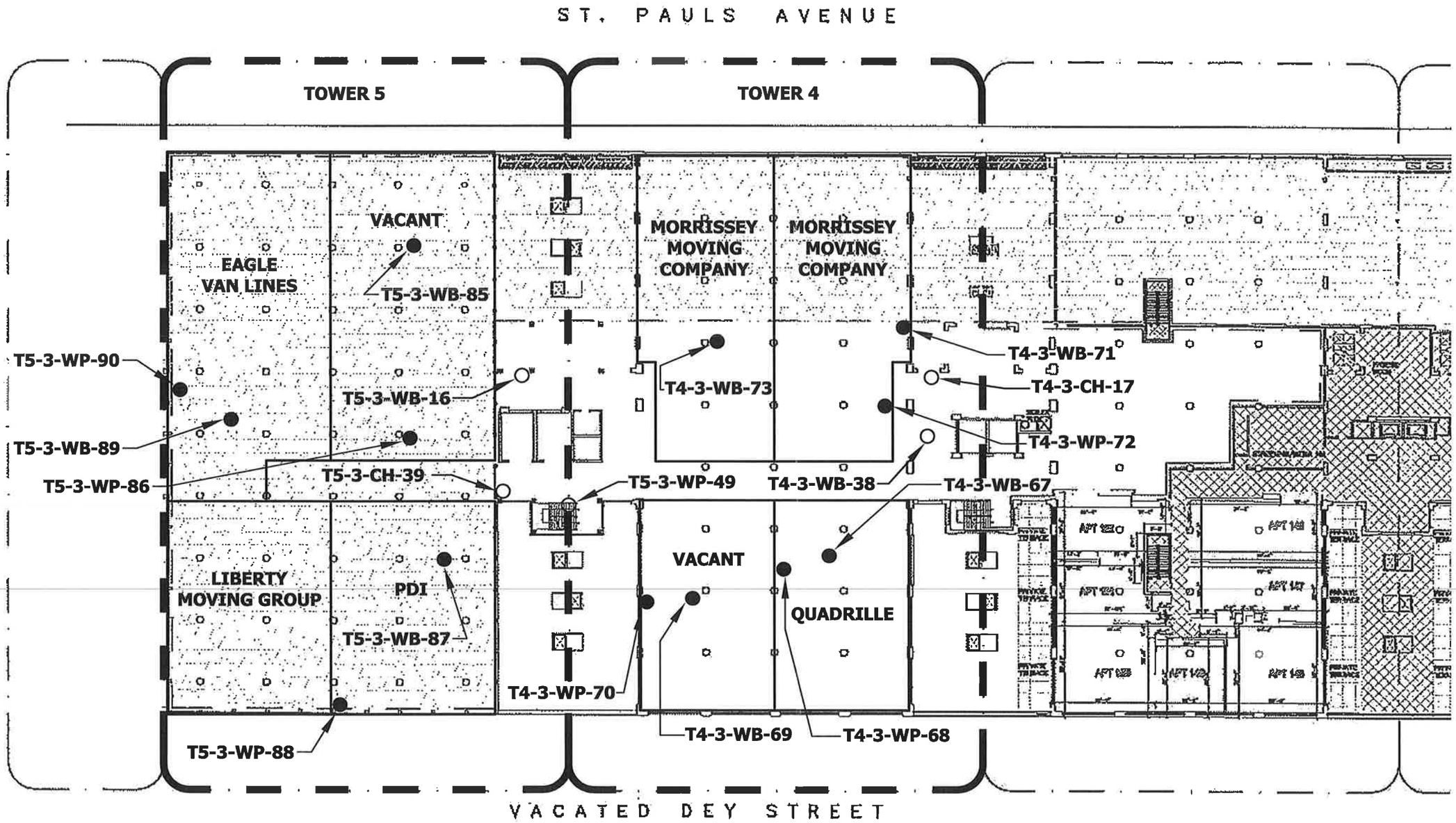
FIGURE 6	PROJECT #12038

SEPTEMBER & NOVEMBER 2012
SAMPLE LOCATION PLAN
FOURTH FLOOR TOWERS 4 AND 5

SELF–IMPLEMENTING PCB REMEDIATION PLAN
DECEMBER 2012

KEYSTONE E-SCIENCES GROUP

FRAZER, PENNSYLVANIA



LEGEND:

- ○ PCB SAMPLING LOCATION (SEPTEMBER 2012)
- ● PCB SAMPLING LOCATION (NOVEMBER 2012)

NOTES:

(1) NOT TO SCALE.

(2) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES SEPTEMBER THROUGH NOVEMBER 2012.

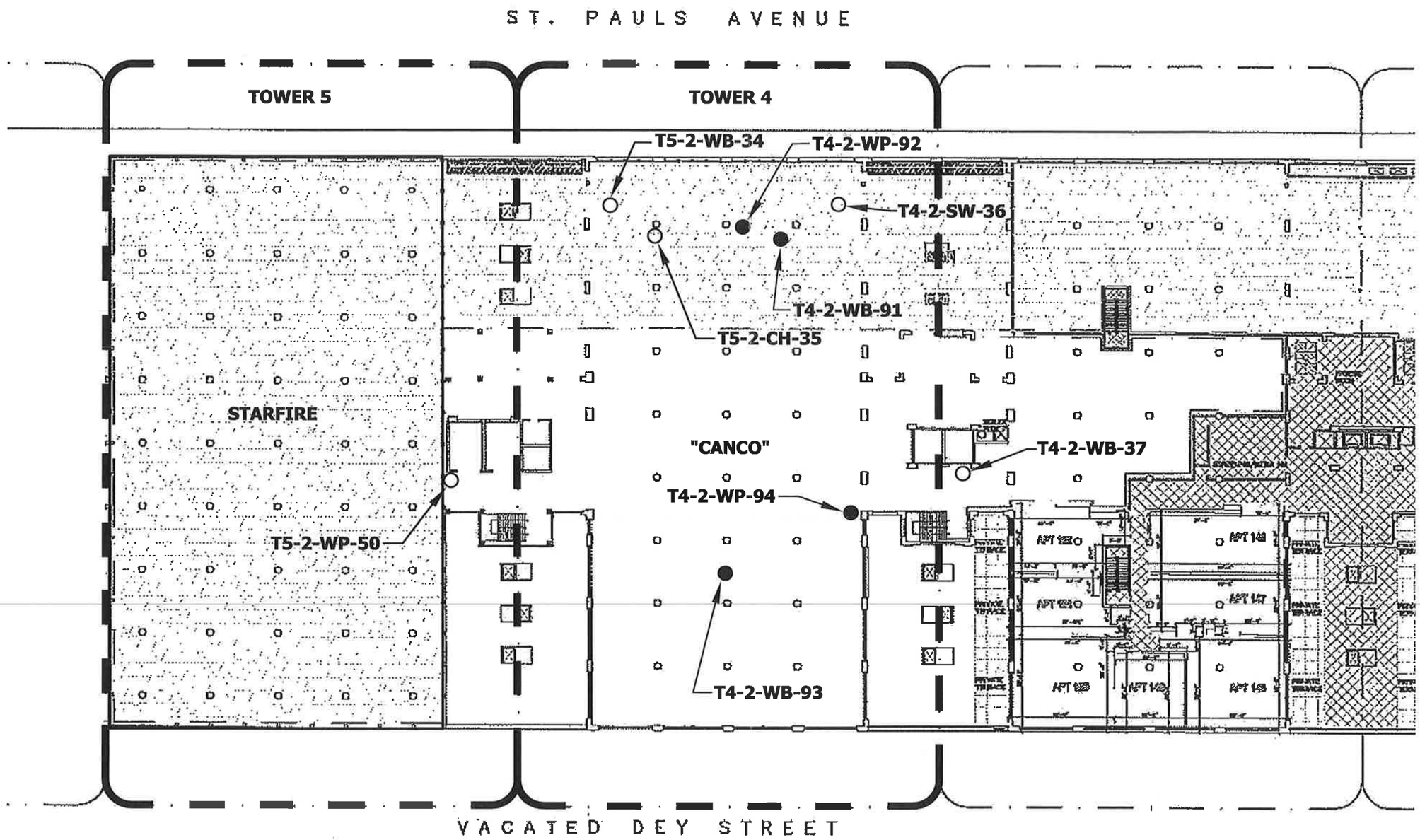
50 DEY STREET COMPLEX
JERSEY CITY, NEW JERSEY

FIGURE 7	PROJECT #12038

SEPTEMBER & NOVEMBER 2012
SAMPLE LOCATION PLAN
THIRD FLOOR TOWERS 4 AND 5

SELF–IMPLEMENTING PCB REMEDIATION PLAN
DECEMBER 2012

KEYSTONE E-SCIENCES GROUP
FRAZER, PENNSYLVANIA



LEGEND:

- ○ PCB SAMPLING LOCATION (SEPTEMBER 2012)
- ● PCB SAMPLING LOCATION (NOVEMBER 2012)

NOTES:

(1) NOT TO SCALE.

(2) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES SEPTEMBER THROUGH NOVEMBER 2012.

50 DEY STREET COMPLEX

JERSEY CITY, NEW JERSEY

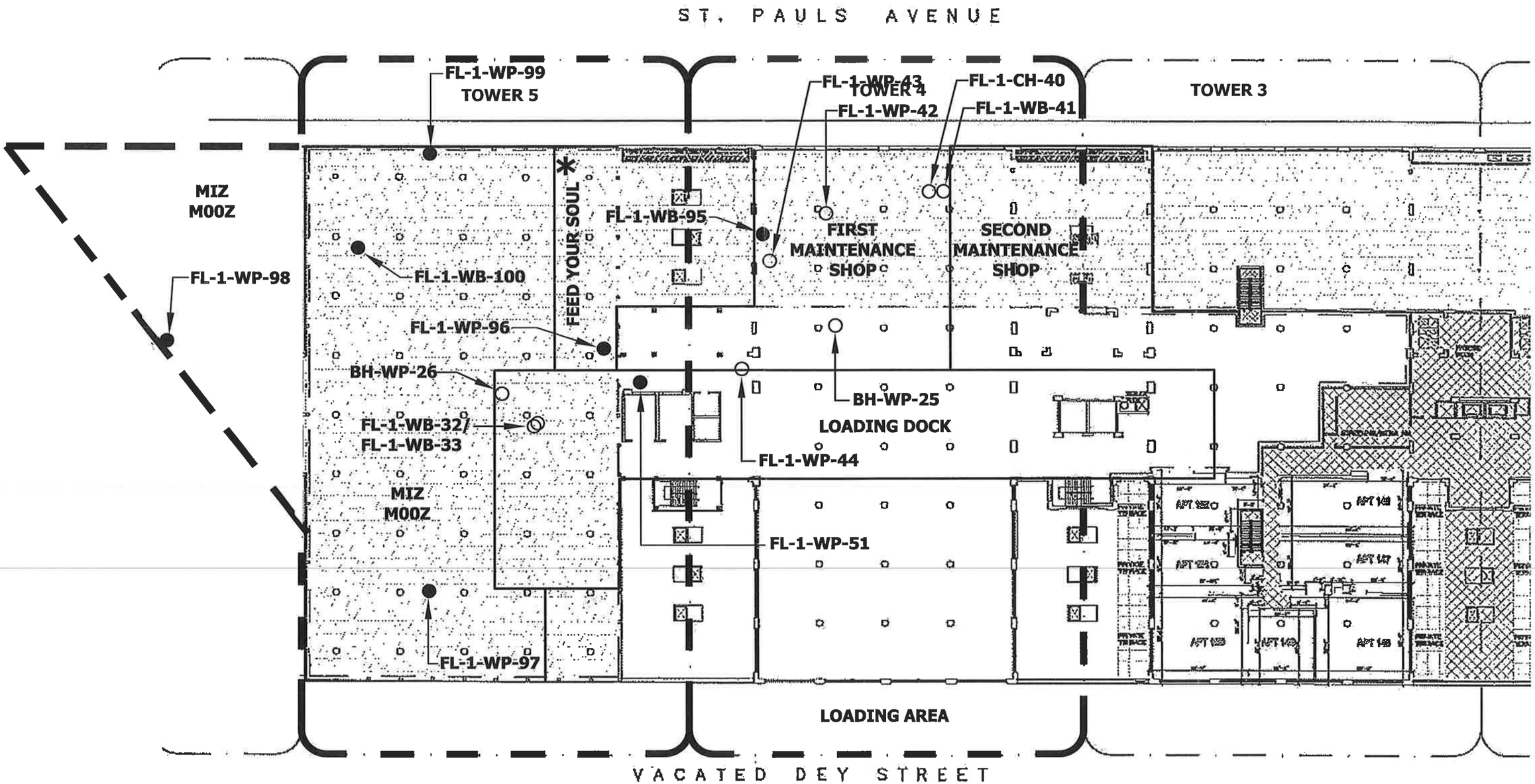
FIGURE 8	PROJECT #12038

SEPTEMBER & NOVEMBER 2012
SAMPLE LOCATION PLAN
SECOND FLOOR TOWERS 4 AND 5

SELF–IMPLEMENTING PCB REMEDIATION PLAN
DECEMBER 2012

KEYSTONE E-SCIENCES GROUP

FRAZER, PENNSYLVANIA



NOTES:

(1) NOT TO SCALE.

(2) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES SEPTEMBER THROUGH NOVEMBER 2012.

LEGEND:

○ PCB SAMPLING LOCATION (SEPTEMBER 2012)

● PCB SAMPLING LOCATION (NOVEMBER 2012)

* BUILT–OUT CONFIGURATION OF "FEED YOUR SOUL" SPACE TO BE FIELD CHECKED

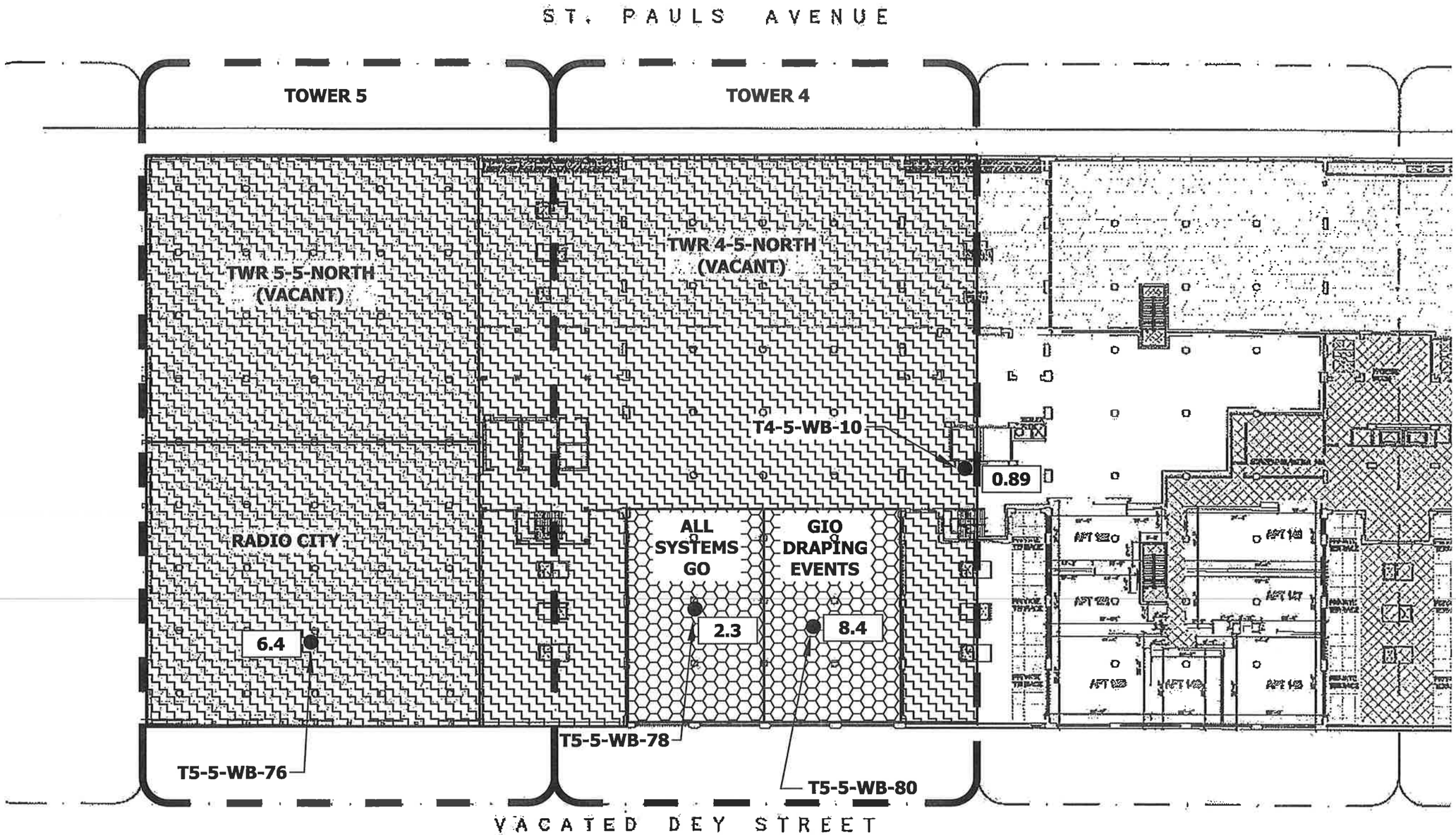
50 DEY STREET COMPLEX
JERSEY CITY, NEW JERSEY

FIGURE 9	PROJECT #12038

SEPTEMBER & NOVEMBER 2012
SAMPLE LOCATION PLAN
FIRST FLOOR TOWERS 4 AND 5

SELF–IMPLEMENTING PCB REMEDIATION PLAN
DECEMBER 2012

KEYSTONE E-SCIENCES GROUP
FRAZER, PENNSYLVANIA



LEGEND:

- ○ PCB SAMPLING LOCATION (SEPTEMBER 2012)
- ● PCB SAMPLING LOCATION (NOVEMBER 2012)
- 21.5 PCB CONCENTRATION (MG/KG)
- ✱ LOCATION TO BE FIELD VERIFIED
- PHASE I AREA OF WOOD BLOCK REMOVAL
- PHASE I AREA OF FURTHER CHARACTERIZATION TO DETERMINE REMEDIAL ACTIONS
- WOOD BLOCK FLOOR TO REMAIN AND BE SEALED

NOTES:

(1) NOT TO SCALE.

(2) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES SEPTEMBER THROUGH NOVEMBER 2012.

50 DEY STREET COMPLEX

JERSEY CITY, NEW JERSEY

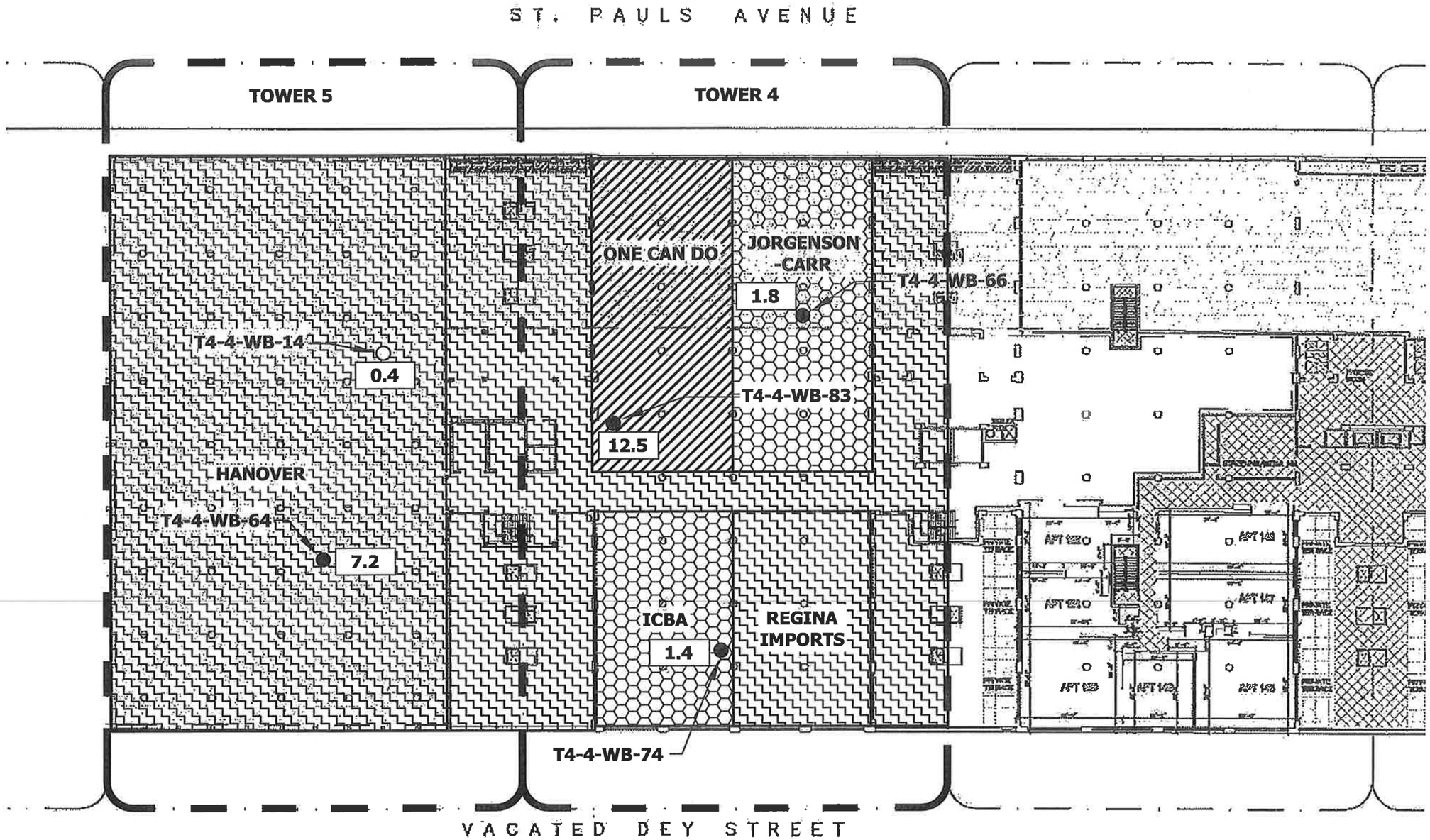
FIGURE 12	PROJECT #12038

PHASE I REMEDIATION
FIFTH FLOOR – TOWERS 4 AND 5

SELF–IMPLEMENTING
PCB REMEDIATION PLAN
DECEMBER 2012

KEYSTONE E-SCIENCES GROUP

FRAZER, PENNSYLVANIA



LEGEND:

- ○ PCB SAMPLING LOCATION (SEPTEMBER 2012)
- ● PCB SAMPLING LOCATION (NOVEMBER 2012)
- 21.5 PCB CONCENTRATION (MG/KG)
- ✱ LOCATION TO BE FIELD VERIFIED
- PHASE I AREA OF WOOD BLOCK REMOVAL
- PHASE I AREA OF FURTHER CHARACTERIZATION TO DETERMINE REMEDIAL ACTIONS
- WOOD BLOCK FLOOR TO REMAIN AND BE SEALED

NOTES:

(1) NOT TO SCALE.

(2) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES SEPTEMBER THROUGH NOVEMBER 2012.

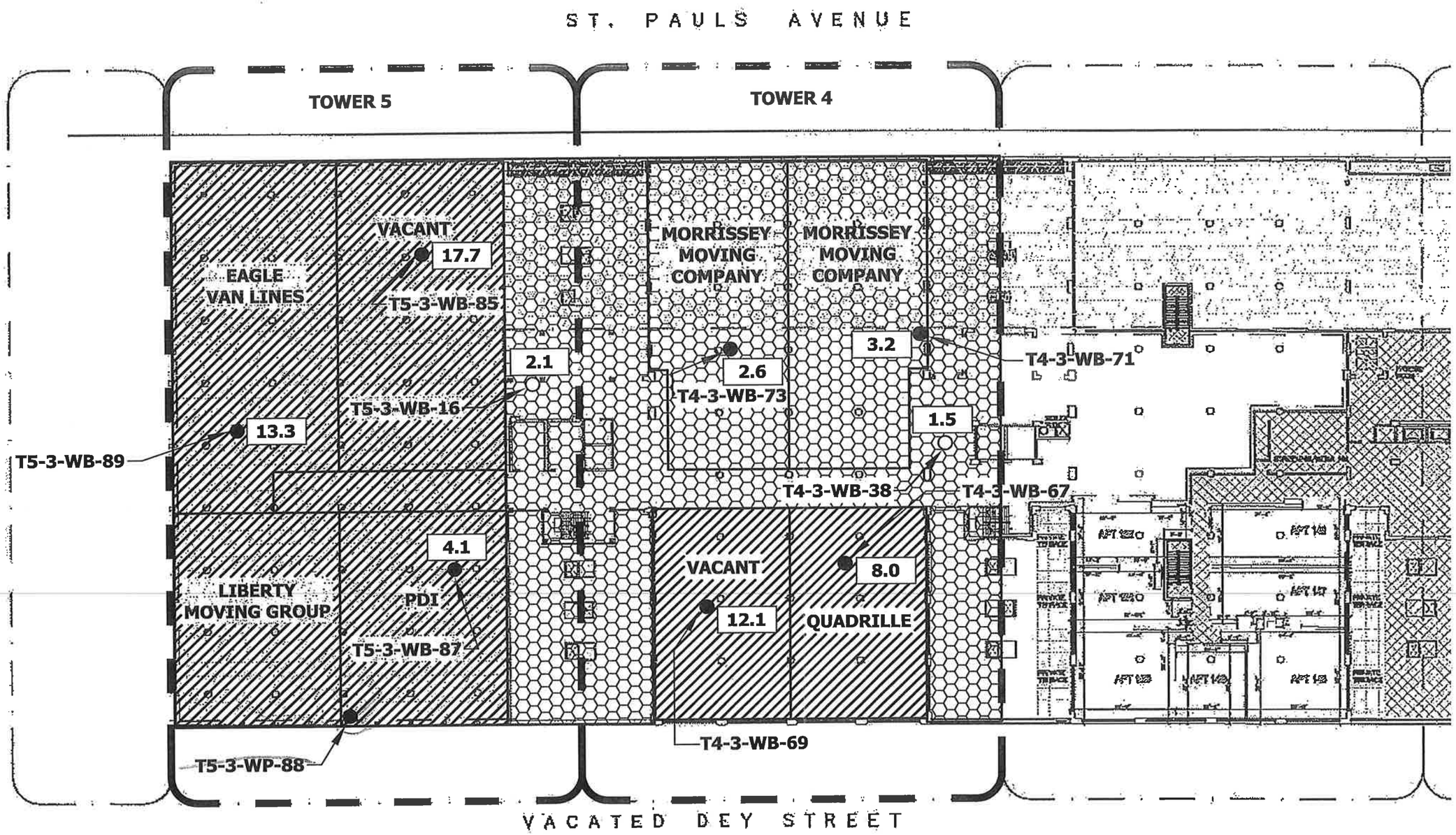
50 DEY STREET COMPLEX
JERSEY CITY, NEW JERSEY

FIGURE 13	PROJECT #12038

PHASE I REMEDIATION
FOURTH FLOOR – TOWERS 4 AND 5

SELF–IMPLEMENTING
PCB REMEDIATION PLAN
DECEMBER 2012

KEYSTONE E-SCIENCES GROUP
FRAZER, PENNSYLVANIA



LEGEND:

- ○ PCB SAMPLING LOCATION (SEPTEMBER 2012)
- ● PCB SAMPLING LOCATION (NOVEMBER 2012)
- 21.5 PCB CONCENTRATION (MG/KG)
- * LOCATION TO BE FIELD VERIFIED
- PHASE I AREA OF WOOD BLOCK REMOVAL
- PHASE I AREA OF FURTHER CHARACTERIZATION TO DETERMINE REMEDIAL ACTIONS
- WOOD BLOCK FLOOR TO REMAIN AND BE SEALED

NOTES:

(1) NOT TO SCALE.

(2) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES SEPTEMBER THROUGH NOVEMBER 2012.

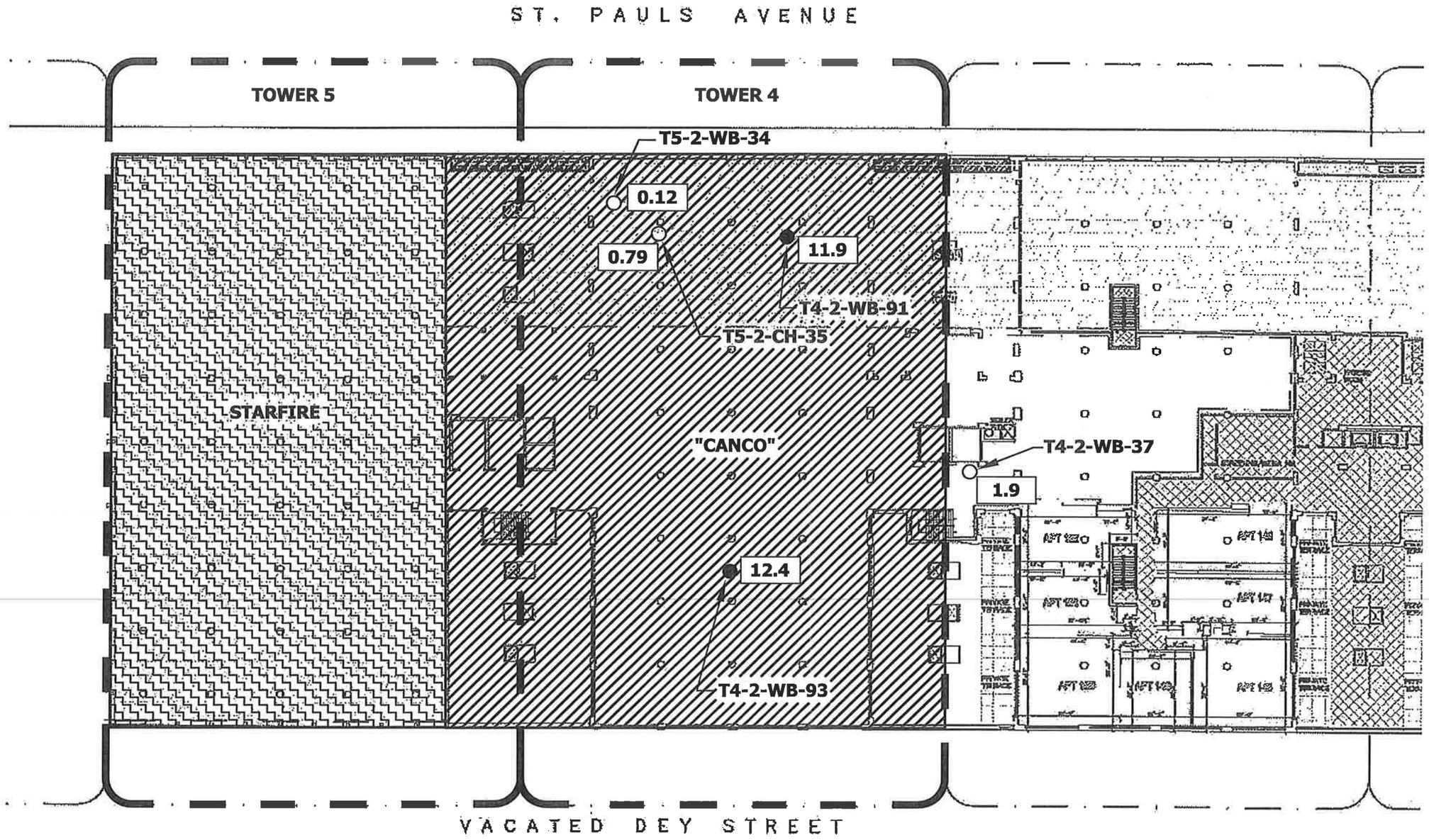
50 DEY STREET COMPLEX
JERSEY CITY, NEW JERSEY

FIGURE 14	PROJECT #12038

PHASE I REMEDIATION
THIRD FLOOR – TOWERS 4 AND 5

SELF–IMPLEMENTING
PCB REMEDIATION PLAN
DECEMBER 2012

KEYSTONE E-SCIENCES GROUP
FRAZER, PENNSYLVANIA



LEGEND:

- ○ PCB SAMPLING LOCATION (SEPTEMBER 2012)
- ● PCB SAMPLING LOCATION (NOVEMBER 2012)
- 21.5 PCB CONCENTRATION (MG/KG)
- ✱ LOCATION TO BE FIELD VERIFIED
- PHASE I AREA OF WOOD BLOCK REMOVAL
- PHASE I AREA OF FURTHER CHARACTERIZATION TO DETERMINE REMEDIAL ACTIONS
- WOOD BLOCK FLOOR TO REMAIN AND BE SEALED

NOTES:

(1) NOT TO SCALE.

(2) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES SEPTEMBER THROUGH NOVEMBER 2012.

50 DEY STREET COMPLEX

JERSEY CITY, NEW JERSEY

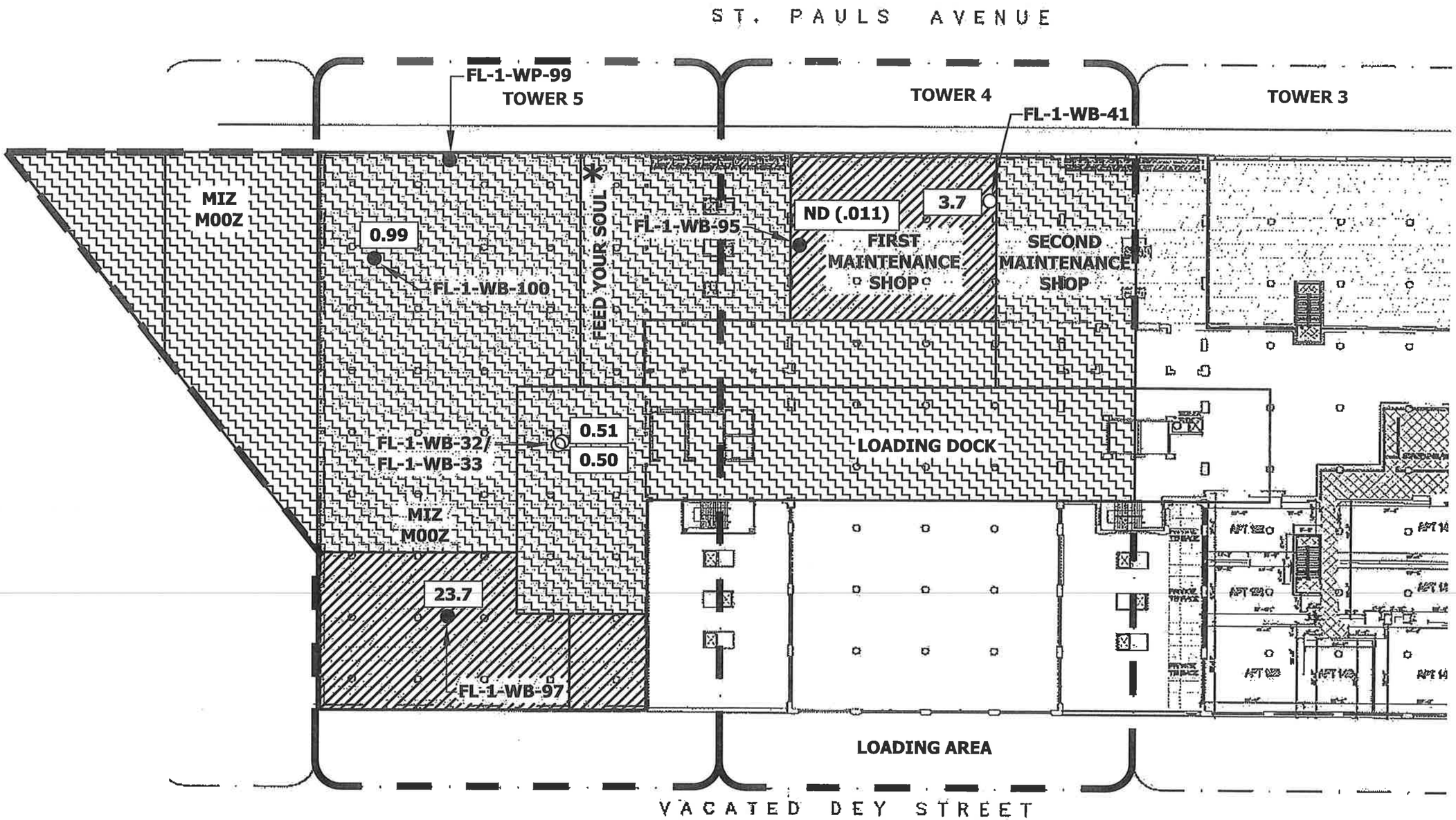
FIGURE 15	PROJECT #12038

PHASE I REMEDIATION
SECOND FLOOR – TOWERS 4 AND 5

SELF–IMPLEMENTING
PCB REMEDIATION PLAN
DECEMBER 2012

KEYSTONE E-SCIENCES GROUP

FRAZER, PENNSYLVANIA



LEGEND:

- ○ PCB SAMPLING LOCATION (SEPTEMBER 2012)
- ● PCB SAMPLING LOCATION (NOVEMBER 2012)
- 21.5 PCB CONCENTRATION (MG/KG)
- * LOCATION TO BE FIELD VERIFIED
- PHASE I AREA OF WOOD BLOCK REMOVAL
- PHASE I AREA OF FURTHER CHARACTERIZATION TO DETERMINE REMEDIAL ACTIONS
- WOOD BLOCK FLOOR TO REMAIN AND BE SEALED

NOTES:

(1) NOT TO SCALE.

(2) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES SEPTEMBER THROUGH NOVEMBER 2012.

50 DEY STREET COMPLEX
JERSEY CITY, NEW JERSEY

FIGURE 16	PROJECT #12038

PHASE I REMEDIATION
FIRST FLOOR – TOWERS 4 AND 5

SELF–IMPLEMENTING
PCB REMEDIATION PLAN
DECEMBER 2012

KEYSTONE E-SCIENCES GROUP
FRAZER, PENNSYLVANIA

TABLES

Table 1
PCB Sample Location Descriptions
Seventh Floor- Towers 4 and 5

SAMPLE ID	TYPE	DESCRIPTION	RESULTS
T4-7-CH-1	Chip	Competent concrete floor surface, north area Tower 4	***9.7 mg/kg***
T4-7-WB-2	Wood Block	Slightly oil/creosote-stained wood block flooring, north area of Tower 4	***12.1 mg/kg***
T5-7-WB-3	Wood Block	Area of broken, splintered wood block flooring, Tower 5	***21.5 mg/kg***
T5-7-CH-4	Chip	Broken concrete (chips) from floor surface, Tower 5	***8.6 mg/kg***
T5-7-WP-8	Wipe	Brick wall in shaft access area adjacent to Tower 5 elevator	ND (1.0 ug) / 100 cm^2
T4-7-WP-45	Wipe	Dusty brick/concrete ledge area approximately 3 feet above floor level in vicinity of electrical panels, unoccupied room, Tower 4	***10.7 ug/ 100 cm^2***
T4-7-WB-54	Wood Block	Heavily stained wood block in center of large vacant space	***44.1 mg/kg*** 1254
T5-7-WB-55	Wood Block	Slightly stained intact wood block near center of large vacant space	***24.7 mg/kg***
T5-7-WB-56	Wood Block	Hallway area outside restroom, woodblock in poor condition	***25.5 mg/kg*** 1254
T5-7-WP-57	Wipe	Metal (diamond plate) floor section near northwest corner of vacant room	9.6 ug/ 100 cm^2
T4-7-WP-58	Wipe	Dusty ceramic ledge in men's restroom, approximately 4 feet above floor surface	1.6 ug/ 100 cm^2
T5-7-WP-59	Wipe	Dusty concrete floor, west central portion of large open room	1.5 ug/ 100 cm^2
T4-7-WP-101	Wipe	Vertical metal pipe in stairwell area, approximately 0.8 feet above floor surface	ND (1.0) ug/ 100 cm^2

Notes:

Bold Italics Indicates Exceedance of Residential Direct Contact Soil Remediation Standard.

Highlighted Results Indicate Exceedance of Non-Residential Direct Contact Soil Remediation Standards.

Table 2
PCB Sample Location Descriptions
Sixth Floor- Towers 4 and 5

SAMPLE ID	TYPE	DESCRIPTION	RESULTS
T5-6-WB-5	Wood Block	Intact wood block flooring, hallway area Tower 5	***12.8 mg/kg***
T4-6-WB-6	Wood Block	Intact wood block flooring, oil/creosote-stained, adjacent to Electric Panel B, Tower 4	***8.5 mg/kg***
T4-6-CH-7	Chip	Exposed concrete surface (approximately 20 sf) in area of missing wood block flooring along east wall Tower 4	***0.27 mg/kg***
T5-6-WP-9	Wipe	Grey-painted wood block floor, slightly dusty, in southwest area of Life & Style tenant-occupied area (batik material packaging and storage) of Tower 5	ND (1.0 ug) / 100 cm^2
T4-6-WP-46	Wipe	Dust on top of HVAC unit inside of small unoccupied office area, north area of Tower 4, approximately 9 feet above floor level	0.4 ug/ 100 cm^2
T5-6-WB-60	Wood Block	Grey-painted wood block flooring near structural column of Life & Style tenant occupied area	***8.0 mg/kg***
T5-6-WB-61	Wood Block	Unpainted wood block floor in scuffed but intact condition near center of room; in vicinity of recent construction (metal wall studs installed and utility conduits cut into wood block flooring)	***222 mg/ kg***
T4-6-WB-62	Wood Block	Wood block in fair condition near center of vacant room	***ND (54.3) mg/kg***
T4-6-WP-63	Wipe	Dusty ceramic ledge above sink in men's restroom, approximately 6 feet above floor surface	ND (1.0 ug)/ 100 cm^2
T4-6-WB-82	Wood Block	Scoffed brown, slightly stained wood block floor in vacant area	***19.7 mg/kg***
T4-6-WP-102	Wipe	Metal ledge by chute and windows, approximately 4 feet above floor surface in vacant area	3.9 ug/ 100 cm^2
T4-6-WP-103	Wipe	Field/rinsate blank prepared at T4-6-WP-102 location; transfer of gauze wipe from one laboratory sample jar to second jar	ND (1.0 ug)/ 100 cm^2

1254 92.3

1260 123

Notes:

Bold Italics Indicates Exceedance of Residential Direct Contact Soil Remediation Standard.

Highlighted Results Indicate Exceedance of Non-Residential Direct Contact Soil Remediation Standards.

Table 3

PCB Sample Location Descriptions
Fifth Floor- Towers 4 and 5

SAMPLE ID	TYPE	DESCRIPTION	RESULTS
T4-5-WB-10	Wood Block	Intact wood block flooring adjacent to electric panel in vacant space of Tower 4	***0.89 mg/kg***
T4-5-SW-11	Sweep	Broken concrete chips from floor surface adjacent to wall of Tower 4; area of removed wood block	ND (0.033) mg/kg
T5-5-WP-47	Wipe	Dusty floor area (metal plating) outside entrance to Radio City tenant area, Tower 5	ND (1.0 ug) / 100 cm2
T5-5-WB-76	Wood Block	Wood block flooring in tenant-occupied (Radio City) space	***6.4 mg/kg***
T5-5-WP-77	Wipe	Dust on window sill area in tenant-occupied (Radio City) space	ND (1.0 ug)/ 100 cm^2
T5-5-WB-78	Wood Block	Partially paint-covered, heavily scuffed wood block flooring near center of tenant-occupied (All Systems) space	***2.3 mg/kg***
T5-5-WP-79	Wipe	Dust on storage unit metal surface approximately 2 feet above floor surface in tenant-occupied (All Systems) space	ND (1.0 ug)/ 100 cm^2
T5-5-WB-80	Wood Block	Brown wood block floor in tenant-occupied (Gio Draping) space	***8.4 mg/kg***
T5-5-WP-81	Wipe	Dust on window sill in wood shop area of tenant-occupied (Gio Draping) space	ND (1.0 ug)/ 100 cm^2

Notes:

Bold Italics Indicates Exceedance of Residential Direct Contact Soil Remediation Standard.

Highlighted Results Indicate Exceedance of Non-Residential Direct Contact Soil Remediation Standards.

Table 4
PCB Sample Location Descriptions
Fourth Floor- Towers 4 and 5

SAMPLE ID	TYPE	DESCRIPTION	RESULTS
T4-4-CH-12	Chip	Exposed concrete wall, north section of Tower 4	ND (0.034) mg/kg
T4-4-WP-13	Wipe	Red concrete floor area near electric panels in tenant-occupied (Hanover) storage space, Tower 4	ND (1.0 ug) / cm2
T4-4-WB-14	Wood Block	Intact wood block flooring in tenant-occupied (Hanover) storage space, Tower 4	***0.42 mg/kg***
T4-4-WP-15	Wipe	Stairwell landing (concrete at top of stairs) between Tower 4 and Tower 5	0.3 ug/ 100 cm2
T4-4-WP-48	Wipe	Concrete and metal step surface in stairwell, Tower 4	1.1 ug/ 100 cm2
T5-4-WB-64	Wood Block	Moderately stained wood block flooring, south central portion of tenant-occupied (Hanover) space	***7.2 mg/kg***
T5-4-WP-65	Wipe	Typical dusty window pane in Hanover space, south side of tenant area	ND (1.0 ug)/ 100 cm^2
T4-4-WB-66	Wood Block	Wood block flooring, good condition, near center of tenant-occupied (Jorgensen) space	***1.8 mg/kg***
T4-4-WB-74	Wood Block	Grey-painted wood block flooring in ICBA hallway	***1.4 mg/kg***
T4-4-WP-75	Wipe	Painted concrete block surface in hallway to ICBA space, approximately 5.5 feet above floor surface; relatively little dust	ND (1.0 ug)/ 100 cm^2
T4-4-WB-83	Wood Block	Brown wood block flooring in front area of tenant-occupied (One Can Do) space	***12.5 mg/kg***
T4-4-WP-84	Wipe	Dust on ledge area, approximately 2.5 feet above floor surface	ND (1.0 ug)/ 100 cm^2

Notes:

Bold Italics Indicates Exceedance of Residential Direct Contact Soil Remediation Standard.

Highlighted Results Indicate Exceedance of Non-Residential Direct Contact Soil Remediation Standards.

Table 5
PCB Sample Location Descriptions
Third Floor- Towers 4 and 5

SAMPLE ID	TYPE	DESCRIPTION	RESULTS
T5-3-WB-16	Wood Block	Intact wood block flooring, Tower 5	***2.1 mg/kg***
T4-3-CH-17	Chip	Competent concrete flooring section, Tower 4	***0.27 mg/kg***
T4-3-WB-38	Wood Block	Intact wood block flooring near end of removed wood block flooring area of Tower 4 hallway, adjacent to Morrissey Moving Company and Quadrille China Seas (tenants) and decommissioned elevator	***1.5 mg/kg***
T5-3-CH-39	Chip	White-painted brick wall, south side of hallway opposite elevators, Tower 5	***0.27 mg/kg***
T5-3-WP-49	Wipe	Metal door surface inside of freight elevator, Tower 5	2.9 ug/ 100 cm2
T4-3-WB-67	Wood Block	Grey-painted wood block flooring in tenant-occupied (Quadrille) area	***8.0 mg/kg***
T4-3-WP-68	Wipe	Wipe sample on structural column, relatively dust-free area in clean fabric-handling and cutting working space	ND (1.0 ug)/ 100 cm^2
T4-3-WB-69	Wood Block	Moderately stained wood block area near center of vacant room space	***12.1 mg/kg***
T4-3-WP-70	Wipe	Dusty ledge, approximately 3 feet above floor surface, west side of space	ND (1.0 ug)/ 100 cm^2
T4-3-WB-71	Wood Block	Brown wood block flooring near doorway of Morrissey Moving tenant-occupied space	***3.3 mg/kg***
T4-3-WP-72	Wipe	Dust on top of vending machine	ND (1.0 ug)/ 100 cm^2
T4-3-WB-73	Wood Block	Wood block flooring near center of second Morrissey Moving (tenant occupied) area	***2.6 mg/kg***
T5-3-WB-85	Wood Block	Scuffed wood block, fair to poor condition, in vacant area	***17.7 mg/kg***
T5-3-WP-86	Wipe	Dusty top of transformer unit, metal surface, approximately 4 feet above ground surface	ND (1.0 ug)/ 100 cm^2
T5-3-WB-87	Wood Block	Brown partially painted, partially bare wood block flooring in tenant occupied (PDI) wood shop area	***4.1 mg/kg***
T5-3-WP-88	Wipe	Dusty metal door surface, southwest corner of tenant occupied (PDI) wood shop	ND (1.0 ug)/ 100 cm^2
T5-3-WB-89	Wood Block	Brown wood block floor area, good condition, near center of tenant occupied (Eagle Moving) storage area	***13.3 mg/kg***
T5-3-WP-90	Wipe	Dust on window ledge, approximately 3 feet above floor surface	0.4 ug/ 100 cm^2

Notes:

Bold Italics Indicates Exceedance of Residential Direct Contact Soil Remediation Standard.

Highlighted Results Indicate Exceedance of Non-Residential Direct Contact Soil Remediation Standards.

Table 6
PCB Sample Location Descriptions
Second Floor- Towers 4 and 5

SAMPLE ID	TYPE	DESCRIPTION	RESULTS
T5-2-WB-34	Wood Block	Intact wood block flooring, oil/creosote stained, hallway area, Tower 5	***12 mg/kg***
T5-2-CH-35	Chip	Competent concrete floor adjacent to wall in vicinity of T5-2-WB-34, Tower 5	***0.79 mg/kg***
T4-2-SW-36	Sweep	Five-point composite sample from abandoned floor in north side of Tower 4; considerably more dust accumulation, broken concrete and chipped wood block in this area relative to other unoccupied building areas	***2.4 mg/kg***
T4-2-WB-37	Wood Block	Intact wood block in hallway near elevators, Tower 4	***1.9 mg/kg***
T5-2-WP-50	Wipe	Metal flooring plate outside of elevator shaft near entrance to Starfire (tenant) entrance, Tower 5	1.1 ug/ 100 cm2
T4-2-WB-91	Wood Block	Worn painted wood block flooring in Canco Lofts art gallery area (currently unoccupied)	***11.9 mg/kg***
T4-2-WP-92	Wipe	Dusty area on metal surface atop sheetrock gallery wall in Canco Lofts art gallery area (currently unoccupied), approximately 8 feet above floor surface	ND (1.0 ug)/ 100 cm^2
T4-2-WB-93	Wood Block	Scuffed brown wood block floor in presently vacant Canco Lofts art gallery area	***12.4 mg/kg***
T4-2-WP-94	Wipe	Painted wood surface counter top, approximately 3.5 feet above floor level, in presently vacant Canco Lofts art gallery area	ND (1.0 ug)/ 100 cm^2

Notes:

Bold Italics Indicates Exceedance of Residential Direct Contact Soil Remediation Standard.

Highlighted Results Indicate Exceedance of Non-Residential Direct Contact Soil Remediation Standards.

Table 7
PCB Sample Location Descriptions
First Floor- Towers 4 and 5

SAMPLE ID	TYPE	DESCRIPTION	RESULTS
BH-WP-25	Wipe	Competent concrete floor of loading dock near entrance to Maintenance Shop	0.8 ug/100 cm^2
BH-WP-26	Wipe	Concrete block wall, west end of loading dock, near entrance door to Miz-Mooz	ND (1.0 ug)/ 100 cm^2
FL-1-WB-32	Wood Block	Intact wood block flooring, stained, on loading dock outside entrance door to Miz-Mooz	***0.51 mg/kg***
FL-1-WB-33	Wood Block	Field duplicate of FL-1-WB-32	***0.50 mg/kg***
FL-1-CH-40	Chip	Exposed concrete floor (area of removed wood block flooring) near northeast corner of Maintenance Shop	***0.9 mg/kg***
FL-1-WB-41	Wood Block	Intact wood block flooring near northeast corner of Maintenance Shop	***3.7 mg/kg***
FL-1-WP-42	Wipe	Concrete column, approximately 5 feet above ground surface, near center of Maintenance Shop	ND (1.0 ug)/ 100 cm^2
FL-1-WP-43	Wipe	Wood surface, dusty, above office space inside of Maintenance Shop, approximately 10 feet above floor surface	ND (1.0 ug)/ 100 cm^2
FL-1-WP-44	Wipe	Steel floor plating on loading dock between door to Maintenance Shop and Stairway #8 to basement	1.1 ug/ 100 cm^2
FL-1-WP-51	Wipe	Competent concrete floor surface on loading dock outside overhead doors between Feed Your Soul and Miz-Mooz tenant spaces	0.4 ug/ 100 cm^2
FL-1-WB-95	Wood Block	Moderately stained wood block floor inside Maintenance Shop, near west central wall	ND (0.11) mg/kg
FL-1-WP-96	Wipe	Wall and metal pipe adjacent to electrical panels, right side (east) of door entrance to tenant occupied (Feed Your Soul) area	ND (1.0 ug)/ 100 cm^2
FL-1-WB-97	Wood Block	Moderately scuffed brown wood block flooring in tenant occupied (Miz Mooz) area	***23.7 mg/kg***
FL-1-WP-98	Wipe	Dusty wall ledge, approximately 6 feet above floor in tenant occupied (Miz Mooz) area	ND (1.0 ug)/ 100 cm^2
FL-1-WP-99	Wipe	Dusty ledge by windows, approximately 4 feet above floor surface in tenant occupied (Miz Mooz) area	ND (1.0 ug)/ 100 cm^2
FL-1-WB-100	Wood Block	Moderately worn wood block flooring in tenant occupied (Miz Mooz) area	***0.99 mg/kg***

Notes:

Bold Italics Indicates Exceedance of Residential Direct Contact Soil Remediation Standard.

Highlighted Results Indicate Exceedance of Non-Residential Direct Contact Soil Remediation Standards.

Table 8
PCB Sample Location Descriptions
Basement and Boiler House Areas

SAMPLE ID	TYPE	DESCRIPTION	RESULTS
BH-SED'T-18	Sweep	Five-point composite sample of approximate 1000 sf area of sediment accumulation in former rail area adjacent to Boiler House; sample obtained from surficial one-inch of material	0.12 mg/kg
BH-WP-19	Wipe	Brick wall near former rail tracks and concrete-vaulted AST	ND (1.0 ug) / 100 cm2
BH-WP-20	Wipe	Brick wall outside of Boiler Room	ND (1.0 ug) / 100 cm2
BH-WP-21	Wipe	Field blank	ND (1.0 ug) / 100 cm2
BH-WP-22	Wipe	Concrete wall (south side) inside Boiler Room	ND (1.0 ug)/ 100 cm2
BH-WP-23	Wipe	Painted brick wall (east side) inside Boiler Room	ND (1.0 ug) /100 cm2
BH-WP-24	Wipe	Concrete wall, east side of basement near electrical panels adjacent to open shaft	0.4 ug/ 100 cm2
BSMT-SW-27	Sweep	Bottom of open shaft way, east end of basement, close to wipe sample BH-WP-24 location	***0.47 mg/kg***
BH-CH-30	Chip	Weathered concrete floor surface outside of Boiler Room, in vicinity of wipe sample BH-WP-20	ND (0.033) mg/kg
BH-CH-31	Chip	Mostly competent concrete floor surface inside Boiler Room, some staining	ND (0.033) mg/kg
BH-WP-52	Wipe	Dusty concrete vault surface over AST near Boiler House and basement	ND (1.0 ug) / 100 cm2
BH-WP-53	Wipe	6-inch diameter metal piping surface, approximately 3 feet above floor surface along north wall of basement between the Boiler House and Fire Pump Room	ND (1.0 ug) / 100 cm2

Notes:

Bold Italics Indicates Exceedance of Residential Direct Contact Soil Remediation Standard.

Highlighted Results Indicate Exceedance of Non-Residential Direct Contact Soil Remediation Standards.

TABLE 9
SUMMARY OF PCB ANALYTICAL RESULTS- WOOD BLOCK SAMPLES
SEPTEMBER AND NOVEMBER 2012
(all results mg/kg)

Sample ID:	T4-7-WB-2	T5-7-WB-3	T5-6-WB-5	T4-6-WB-6	T4-5-WB-10	T4-4-WB-14	T5-3-WB-16	T4-3-WB-38	T5-2-WB-34	T4-2-WB-37	RDCSRS	NRDCSRS
Sample Date:	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	28-Sep-12	28-Sep-12	28-Sep-12		
Total PCBs	***12.1***	***21.5***	***12.8***	***8.5***	***0.89***	***0.42***	***2.1***	***1.5***	***12***	***1.9***	0.2	1.0
Aroclor-1016	ND (1.7)	ND (1.7)	ND (3.5)	ND (3.7)	ND (0.034)	ND (0.035)	ND (0.036)	ND (0.063)	ND (3.5)	ND (0.058)	0.2	1.0
Aroclor-1221	ND (1.7)	ND (1.7)	ND (3.5)	ND (3.7)	ND (0.034)	ND (0.035)	ND (0.036)	ND (0.063)	ND (3.5)	ND (0.058)	0.2	1.0
Aroclor-1232	ND (1.7)	ND (1.7)	ND (3.5)	ND (3.7)	ND (0.034)	ND (0.035)	ND (0.036)	ND (0.063)	ND (3.5)	ND (0.058)	0.2	1.0
Aroclor-1242	ND (1.7)	ND (1.7)	ND (3.5)	ND (3.7)	***0.43***	ND (0.035)	ND (0.036)	ND (0.063)	ND (3.5)	ND (0.058)	0.2	1.0
Aroclor-1248	ND (1.7)	ND (1.7)	ND (3.5)	ND (3.7)	ND (0.034)	ND (0.035)	ND (0.036)	ND (0.063)	ND (3.5)	ND (0.058)	0.2	1.0
Aroclor-1254	***12.1***	***14.4***	***12.8***	***8.5***	***0.46***	***0.42***	***0.65***	***0.92***	ND (3.5)	***1.3***	0.2	1.0
Aroclor-1260	ND (1.7)	7.2	ND (3.5)	ND (3.7)	ND (0.034)	ND (0.035)	***1.4***	***0.56***	***12***	***0.57***	0.2	1.0

Sample ID:	FL-1-WB-32	FL-1-WB-33	FL-1-WB-41	T4-7-WB-54	T5-7-WB-55	T5-7-WB-56	T5-6-WB-60	T5-6-WB-61	T4-6-WB-62	T5-4-WB-64	RDCSRS	NRDCSRS
Sample Date:	28-Sep-12	28-Sep-12	28-Sep-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12		
Total PCBs	***0.51***	***0.5***	***3.7***	***44.1***	***24.7***	***25.5***	***8***	***222***	ND (54.3)	***7.2***	0.2	1.0
Aroclor-1016	ND (0.038)	ND (0.038)	ND (0.058)	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (49.3)	ND (54.3)	ND (0.51)	0.2	1.0
Aroclor-1221	ND (0.038)	ND (0.038)	ND (0.058)	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (49.3)	ND (54.3)	ND (0.51)	0.2	1.0
Aroclor-1232	ND (0.038)	ND (0.038)	ND (0.058)	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (49.3)	ND (54.3)	ND (0.51)	0.2	1.0
Aroclor-1242	ND (0.038)	ND (0.038)	ND (0.058)	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (49.3)	ND (54.3)	ND (0.51)	0.2	1.0
Aroclor-1248	ND (0.038)	ND (0.038)	ND (0.058)	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (49.3)	ND (54.3)	***1.5***	0.2	1.0
Aroclor-1254	ND (0.038)	ND (0.038)	*2.0*	***44.1***	***24.7***	***25.5***	***8***	***98.3***	ND (54.3)	***3.4***	0.2	1.0
Aroclor-1260	***0.51***	***0.5***	***1.7***	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	***123***	ND (54.3)	***2.4***	0.2	1.0

Sample ID:	T4-4-WB-66	T4-3-WB-67	T4-3-WB-69	T4-3-WB-71	T4-3-WB-73	T4-4-WB-74	T5-5-WB-76	T5-5-WB-78	T5-5-WB-80	T4-6-WB-82	RDCSRS	NRDCSRS
Sample Date:	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12		
Total PCBs	***1.8***	***8***	***12.1***	***3.3***	***2.6***	***1.4***	***6.4***	***2.3***	***8.4***	***19.7***	0.2	1.0
Aroclor-1016	ND (0.10)	ND (0.10)	ND (2.1)	ND (0.10)	ND (0.09)	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.92)	0.2	1.0
Aroclor-1221	ND (0.10)	ND (0.10)	ND (2.1)	ND (0.10)	ND (0.09)	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.92)	0.2	1.0
Aroclor-1232	ND (0.10)	ND (0.10)	ND (2.1)	ND (0.10)	ND (0.09)	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.92)	0.2	1.0
Aroclor-1242	ND (0.10)	ND (0.10)	ND (2.1)	ND (0.10)	ND (0.09)	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.92)	0.2	1.0
Aroclor-1248	***0.59***	***1.3***	ND (2.1)	ND (0.10)	ND (0.09)	ND (0.11)	***1.3***	ND (0.10)	***2.1***	ND (0.92)	0.2	1.0
Aroclor-1254	***1.2***	***4.1***	***4.8***	***1.8***	***1.6***	***0.74***	***2.8***	***2.3***	***4.2***	***10.9***	0.2	1.0
Aroclor-1260	ND (0.10)	***2.7***	***7.3***	***1.5***	***0.97***	***0.63***	***2.2***	ND (0.10)	***2.1***	***8.8***	0.2	1.0

Sample ID:	T4-4-WB-83	T5-3-WB-85	T5-3-WB-87	T5-3-WB-89	T4-2-WB-91	T4-2-WB-93	FL-1-WB-95	FL-1-WB-97	FL-1-WB-100		RDCSRS	NRDCSRS
Sample Date:	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12			
Total PCBs	***12.5***	***17.7***	***4.1***	***13.3***	***11.9***	***12.4***	ND (0.11)	***23.7***	***0.99***		0.2	1.0
Aroclor-1016	ND (0.52)	ND (1.0)	ND (0.09)	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.11)	ND (1.1)	ND (0.11)		0.2	1.0
Aroclor-1221	ND (0.52)	ND (1.0)	ND (0.09)	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.11)	ND (1.1)	ND (0.11)		0.2	1.0
Aroclor-1232	ND (0.52)	ND (1.0)	ND (0.09)	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.11)	ND (1.1)	ND (0.11)		0.2	1.0
Aroclor-1242	ND (0.52)	ND (1.0)	ND (0.09)	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.11)	ND (1.1)	ND (0.11)		0.2	1.0
Aroclor-1248	ND (0.52)	***2.3***	***1***	ND (0.98)	***1.5***	***2.4***	ND (0.11)	***3.3***	ND (0.11)		0.2	1.0
Aroclor-1254	***8.1***	***5.3***	***1.4***	***3.5***	***6.2***	***6.5***	ND (0.11)	***12.6***	***0.99***		0.2	1.0
Aroclor-1260	***4.4***	***10.1***	***1.7***	***9.8***	***4.2***	***3.6***	ND (0.11)	***7.8***	ND (0.11)		0.2	1.0

TABLE 10
SUMMARY OF PCB ANALYTICAL RESULTS
CONCRETE CHIP AND SWEEP SAMPLES
SEPTEMBER AND NOVEMBER 2012
(all results mg/kg)

Sample ID:	T4-7-CH-1	T5-7-CH-4	T4-6-CH-7	T4-5-SW-11	T4-4-CH-12	T4-3-CH-17	T5-3-CH-39	RDCSRS	NRDCSRS
Sample Date:	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	28-Sep-12		
Total PCBs	***9.7***	***8.6***	***0.27***	ND (0.033)	ND (0.034)	***0.27***	***0.27***	0.2	1.0
Aroclor-1016	ND (0.67)	ND (0.66)	ND (0.033)	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.033)	0.2	1.0
Aroclor-1221	ND (0.67)	ND (0.66)	ND (0.033)	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.033)	0.2	1.0
Aroclor-1232	ND (0.67)	ND (0.66)	ND (0.033)	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.033)	0.2	1.0
Aroclor-1242	ND (0.67)	ND (0.66)	ND (0.033)	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.033)	0.2	1.0
Aroclor-1248	ND (0.67)	ND (0.66)	ND (0.033)	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.033)	0.2	1.0
Aroclor-1254	***9.7***	***8.6***	***0.27***	ND (0.033)	ND (0.034)	***0.27***	0.15	0.2	1.0
Aroclor-1260	ND (0.67)	ND (0.66)	ND (0.033)	ND (0.033)	ND (0.034)	ND (0.033)	0.12	0.2	1.0

Sample ID:	T5-2-CH-35	T4-2-SW-36	BH-SED'T-18	BSMT-SW-27	BH-CH-30	BH-CH-31	FL-1-CH-40	RDCSRS	NRDCSRS
Sample Date:	28-Sep-12	28-Sep-12	27-Sep-12	27-Sep-12	28-Sep-12	28-Sep-12	28-Sep-12		
Total PCBs	***0.79***	***2.4***	0.12	***0.47***	ND (0.033)	ND (0.033)	***0.9***	0.2	1.0
Aroclor-1016	ND (0.033)	ND (1.7)	ND (0.036)	ND (0.036)	ND (0.033)	ND (0.033)	ND (0.033)	0.2	1.0
Aroclor-1221	ND (0.033)	ND (1.7)	ND (0.036)	ND (0.036)	ND (0.033)	ND (0.033)	ND (0.033)	0.2	1.0
Aroclor-1232	ND (0.033)	ND (1.7)	ND (0.036)	ND (0.036)	ND (0.033)	ND (0.033)	ND (0.033)	0.2	1.0
Aroclor-1242	***0.79***	ND (1.7)	ND (0.036)	ND (0.036)	ND (0.033)	ND (0.033)	ND (0.033)	0.2	1.0
Aroclor-1248	ND (0.033)	ND (1.7)	ND (0.036)	ND (0.036)	ND (0.033)	ND (0.033)	ND (0.033)	0.2	1.0
Aroclor-1254	ND (0.033)	***2.4***	ND (0.036)	ND (0.036)	ND (0.033)	ND (0.033)	***0.2***	0.2	1.0
Aroclor-1260	ND (0.033)	ND (1.7)	0.12	***0.47***	ND (0.033)	ND (0.033)	***0.71***	0.2	1.0

RDCSRS Residential Direct Contact Soil Remediation Standard
NRDCSRS Non-Residential Direct Contact Soil Remediation Standard
ND (0.033) Not Detected (Laboratory Reporting Limit)
9.7 Bold Italics Indicates an Exceedance of RDCSRS; Shaded Indicates Exceedance of NRDCSRS

TABLE 11
SUMMARY OF PCB ANALYTICAL RESULTS- WIPE SAMPLES
SEPTEMBER AND NOVEMBER 2012
(all results in ug/ 100 cm2)

Sample ID:	T5-7-WP-8	T4-7-WP-45	T5-6-WP-9	T4-6-WP-46	T5-5-WP-47	T4-4-WP-13	T4-4-WP-15	T4-4-WP-48	T5-3-WP-49	T5-2-WP-50	BH-WP-19	BH-WP-20	USEPA Criteria
Sample Date:	27-Sep-12	28-Sep-12	27-Sep-12	28-Sep-12	28-Sep-12	27-Sep-12	27-Sep-12	28-Sep-12	28-Sep-12	28-Sep-12	27-Sep-12	27-Sep-12	
Total PCBs	ND (1.0)	***10.7***	ND (1.0)	0.4	ND (1.0)	ND (1.0)	0.3	1.1	2.9	1.1	ND (1.0)	ND (1.0)	10 ug/100 cm2
Aroclor-1016	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1221	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1232	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1242	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1248	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1254	ND (1.0)	7.1	ND (1.0)	0.4	ND (1.0)	ND (1.0)	ND (1.0)	0.6	1.2	0.6	ND (1.0)	ND (1.0)	
Aroclor-1260	ND (1.0)	3.6	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.3	0.5	1.6	0.5	ND (1.0)	ND (1.0)	

Sample ID:	BH-WP-21	BH-WP-22	BH-WP-23	BH-WP-24	BH-WP-25	BH-WP-26	FL-1-WP-42	FL-1-WP-43	FL-1-WP-44	FL-1-WP-51	BH-WP-52	BH-WP-53	USEPA Criteria
Sample Date:	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	28-Sep-12	28-Sep-12	28-Sep-12	28-Sep-12	28-Sep-12	28-Sep-12	
Total PCBs	ND (1.0)	ND (1.0)	ND (1.0)	0.4	0.8	ND (1.0)	ND (1.0)	ND (1.0)	1.1	0.4	ND (1.0)	ND (1.0)	10 ug/100 cm2
Aroclor-1016	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1221	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1232	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1242	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1248	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1254	ND (1.0)	ND (1.0)	ND (1.0)	0.4	0.4	ND (1.0)	ND (1.0)	ND (1.0)	0.5	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1260	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.4	ND (1.0)	ND (1.0)	ND (1.0)	0.6	0.4	ND (1.0)	ND (1.0)	

Sample ID:	T5-7-WP-57	T4-7-WP-58	T5-7-WP-59	T4-6-WP-63	T5-4-WP-65	T4-3-WP-68	T4-3-WP-70	T4-3-WP-72	T4-4-WP-75	T5-5-WP-77	T5-5-WP-79	T5-5-WP-81	USEPA Criteria
Sample Date:	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	
Total PCBs	9.6	1.6	1.53	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	10 ug/100 cm2
Aroclor-1016	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1221	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1232	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1242	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1248	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1254	6.47	1.6	1.53	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1260	3.13	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	

Sample ID:	T4-4-WP-84	T5-3-WP-86	T5-3-WP-88	T5-3-WP-90	T4-2-WP-92	T4-2-WP-94	FL-1-WP-96	FL-1-WP-98	FL-1-WP-99	T4-7-WP-101	T4-6-WP-102	T4-6-WP-103	USEPA Criteria
Sample Date:	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	
Total PCBs	ND (0.33)	ND (0.33)	ND (0.33)	0.4	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	3.93	ND (0.33)	10 ug/100 cm2
Aroclor-1016	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1221	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1232	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1242	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1248	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1254	ND (0.33)	ND (0.33)	ND (0.33)	0.4	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	3.93	ND (0.33)	
Aroclor-1260	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	

Note: All Wipe Samples Collected with a 300 cm2 Template; Lab Report Results Converted From a "Per Wipe" Reporting For Comparison With Criteria

ND (1.0) Not Detected (Laboratory Detection Limit)

10.7 Bold Italics Indicates Exceedance of USEPA Criteria

TABLE 12
SUMMARY OF SEDIMENT/ COAL ASH ANALYTICAL RESULTS
RAILROAD SPUR IN BASEMENT AREA
(all results mg/kg)

Sample ID:	**BH-SED'T-18**	**RDCSRS**	**NRDCSRS**
Sample Date:	27-Sep-12		
SVOCs:			
Anthracene	0.21 J	17,000	30,000
Benzo(a)anthracene	***1.27***	0.6	2.0
Benzo(a)pyrene	***ND (0.54)***	0.2	0.2
Benzo(b)fluoranthene	***2.54***	0.6	2.0
Benzo(g,h,i)perylene	0.44 J	380,000	30,000
Benzo(k)fluoranthene	0.73	6	23
Butylbenzylphthalate	0.66 J	1,200	14,000
Carbazole	0.25 J	24	96
Chrysene	2.16	62	230
Di-n-Butylphthalate	0.52 J	6,100	68,000
Diethylphthalate	0.70 J	49,000	550,000
bis(2-Ethylhexyl)phthalate	4.88	35	140
Fluoranthene	2	2,300	24,000
2-Methylnaphthalene	0.18 J	230	2,400
Phenanthrene	1.6	NA	300,000
Phenol	0.2 J	18,000	210,000
Pyrene	3.9	1,700	18,000
PCBs:	0.12	0.2	1
Metals:			
Antimony	8.2	31	450
Arsenic	7.2	19	19
Beryllium	0.55	16	140
Cadmium	5.3	78	78
Chromium	67.6	NA	NA
Copper	123	3,100	45,000
Lead	***418***	400	800
Mercury	2.5	23	65
Nickel	29	1,600	23,000
Selenium	ND (2.6)	390	5,700
Silver	0.45 J	390	5,700
Thallium	ND (0.51)	5	79
Zinc	1280	23,000	110,000

RDCSRS Residential Direct Contact Soil Remediation Standard
NRDCSRS Non-Residential Direct Contact Soil Remediation Standard
ND (2.6) Not Detected (Laboratory Detection Limit)
418 Bold Italics Indicates Exceedance of RDCSRS; Shaded Indicates Exceedance of NRDCSRS

TABLE 9
SUMMARY OF PCB ANALYTICAL RESULTS- WOOD BLOCK SAMPLES
SEPTEMBER AND NOVEMBER 2012
(all results mg/kg)

Sample ID:	T4-7-WB-2	T5-7-WB-3	T5-6-WB-5	T4-6-WB-6	T4-5-WB-10	T4-4-WB-14	T5-3-WB-16	T4-3-WB-38	T5-2-WB-34	T4-2-WB-37	RDCSRS	NRDCSRS
Sample Date:	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	28-Sep-12	28-Sep-12	28-Sep-12		
Total PCBs	***12.1***	***21.5***	***12.8***	***8.5***	***0.89***	***0.42***	***2.1***	***1.5***	***12***	***1.9***	0.2	1.0
Aroclor-1016	ND (1.7)	ND (1.7)	ND (3.5)	ND (3.7)	ND (0.034)	ND (0.035)	ND (0.036)	ND (0.063)	ND (3.5)	ND (0.058)	0.2	1.0
Aroclor-1221	ND (1.7)	ND (1.7)	ND (3.5)	ND (3.7)	ND (0.034)	ND (0.035)	ND (0.036)	ND (0.063)	ND (3.5)	ND (0.058)	0.2	1.0
Aroclor-1232	ND (1.7)	ND (1.7)	ND (3.5)	ND (3.7)	ND (0.034)	ND (0.035)	ND (0.036)	ND (0.063)	ND (3.5)	ND (0.058)	0.2	1.0
Aroclor-1242	ND (1.7)	ND (1.7)	ND (3.5)	ND (3.7)	***0.43***	ND (0.035)	ND (0.036)	ND (0.063)	ND (3.5)	ND (0.058)	0.2	1.0
Aroclor-1248	ND (1.7)	ND (1.7)	ND (3.5)	ND (3.7)	ND (0.034)	ND (0.035)	ND (0.036)	ND (0.063)	ND (3.5)	ND (0.058)	0.2	1.0
Aroclor-1254	***12.1***	***14.4***	***12.8***	***8.5***	***0.46***	***0.42***	***0.65***	***0.92***	ND (3.5)	***1.3***	0.2	1.0
Aroclor-1260	ND (1.7)	7.2	ND (3.5)	ND (3.7)	ND (0.034)	ND (0.035)	***1.4***	***0.56***	***12***	***0.57***	0.2	1.0

Sample ID:	FL-1-WB-32	FL-1-WB-33	FL-1-WB-41	T4-7-WB-54	T5-7-WB-55	T5-7-WB-56	T5-6-WB-60	T5-6-WB-61	T4-6-WB-62	T5-4-WB-64	RDCSRS	NRDCSRS
Sample Date:	28-Sep-12	28-Sep-12	28-Sep-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12		
Total PCBs	***0.51***	***0.5***	***3.7***	***44.1***	***24.7***	***25.5***	***8***	***222***	ND (54.3)	***7.2***	0.2	1.0
Aroclor-1016	ND (0.038)	ND (0.038)	ND (0.058)	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (49.3)	ND (54.3)	ND (0.51)	0.2	1.0
Aroclor-1221	ND (0.038)	ND (0.038)	ND (0.058)	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (49.3)	ND (54.3)	ND (0.51)	0.2	1.0
Aroclor-1232	ND (0.038)	ND (0.038)	ND (0.058)	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (49.3)	ND (54.3)	ND (0.51)	0.2	1.0
Aroclor-1242	ND (0.038)	ND (0.038)	ND (0.058)	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (49.3)	ND (54.3)	ND (0.51)	0.2	1.0
Aroclor-1248	ND (0.038)	ND (0.038)	ND (0.058)	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (49.3)	ND (54.3)	***1.5***	0.2	1.0
Aroclor-1254	ND (0.038)	ND (0.038)	*2.0*	***44.1***	***24.7***	***25.5***	***8***	***98.3***	ND (54.3)	***3.4***	0.2	1.0
Aroclor-1260	***0.51***	***0.5***	***1.7***	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	***123***	ND (54.3)	***2.4***	0.2	1.0

Sample ID:	T4-4-WB-66	T4-3-WB-67	T4-3-WB-69	T4-3-WB-71	T4-3-WB-73	T4-4-WB-74	T5-5-WB-76	T5-5-WB-78	T5-5-WB-80	T4-6-WB-82	RDCSRS	NRDCSRS
Sample Date:	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12		
Total PCBs	***1.8***	***8***	***12.1***	***3.3***	***2.6***	***1.4***	***6.4***	***2.3***	***8.4***	***19.7***	0.2	1.0
Aroclor-1016	ND (0.10)	ND (0.10)	ND (2.1)	ND (0.10)	ND (0.09)	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.92)	0.2	1.0
Aroclor-1221	ND (0.10)	ND (0.10)	ND (2.1)	ND (0.10)	ND (0.09)	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.92)	0.2	1.0
Aroclor-1232	ND (0.10)	ND (0.10)	ND (2.1)	ND (0.10)	ND (0.09)	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.92)	0.2	1.0
Aroclor-1242	ND (0.10)	ND (0.10)	ND (2.1)	ND (0.10)	ND (0.09)	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.92)	0.2	1.0
Aroclor-1248	***0.59***	***1.3***	ND (2.1)	ND (0.10)	ND (0.09)	ND (0.11)	***1.3***	ND (0.10)	***2.1***	ND (0.92)	0.2	1.0
Aroclor-1254	***1.2***	***4.1***	***4.8***	***1.8***	***1.6***	***0.74***	***2.8***	***2.3***	***4.2***	***10.9***	0.2	1.0
Aroclor-1260	ND (0.10)	***2.7***	***7.3***	***1.5***	***0.97***	***0.63***	***2.2***	ND (0.10)	***2.1***	***8.8***	0.2	1.0

Sample ID:	T4-4-WB-83	T5-3-WB-85	T5-3-WB-87	T5-3-WB-89	T4-2-WB-91	T4-2-WB-93	FL-1-WB-95	FL-1-WB-97	FL-1-WB-100		RDCSRS	NRDCSRS
Sample Date:	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12			
Total PCBs	***12.5***	***17.7***	***4.1***	***13.3***	***11.9***	***12.4***	ND (0.11)	***23.7***	***0.99***		0.2	1.0
Aroclor-1016	ND (0.52)	ND (1.0)	ND (0.09)	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.11)	ND (1.1)	ND (0.11)		0.2	1.0
Aroclor-1221	ND (0.52)	ND (1.0)	ND (0.09)	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.11)	ND (1.1)	ND (0.11)		0.2	1.0
Aroclor-1232	ND (0.52)	ND (1.0)	ND (0.09)	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.11)	ND (1.1)	ND (0.11)		0.2	1.0
Aroclor-1242	ND (0.52)	ND (1.0)	ND (0.09)	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.11)	ND (1.1)	ND (0.11)		0.2	1.0
Aroclor-1248	ND (0.52)	***2.3***	***1***	ND (0.98)	***1.5***	***2.4***	ND (0.11)	***3.3***	ND (0.11)		0.2	1.0
Aroclor-1254	***8.1***	***5.3***	***1.4***	***3.5***	***6.2***	***6.5***	ND (0.11)	***12.6***	***0.99***		0.2	1.0
Aroclor-1260	***4.4***	***10.1***	***1.7***	***9.8***	***4.2***	***3.6***	ND (0.11)	***7.8***	ND (0.11)		0.2	1.0

APPENDIX A

ALS Environmental

34 Dogwood Lane ■ Middletown, PA 17057 ■ Phone: 717-944-5541 ■ Fax: 717-944-1430 ■ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

October 18, 2012

Mr. Dan Erdman
Keystone E-Sciences Group, Inc.
590 East Lancaster Ave.
Suite 200
Malvern, PA 19355

Certificate of Analysis

Project Name:	**2012-MJY-NJ PCB SITE**	Workorder:	**9990919**
Purchase Order:		Workorder ID:	**KKS002|50 Dey Street**

Dear Mr. Erdman,

Enclosed are the analytical results for samples received by the laboratory on Saturday, September 29, 2012.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Susan Scherer (Project Coordinator) or Anna G Milliken (Technical Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALS' NELAP accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

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This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Technical Manager

ALS Environmental

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State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

SAMPLE SUMMARY

Workorder: 9990919 KKS002|50 Dey Street

Discard Date: 10/31/2012

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9990919001	T4-7-CH-1	Solid	9/27/12 10:50	9/29/12 12:15	Dan Erdman
9990919002	T4-7-WB-2	Solid	9/27/12 11:05	9/29/12 12:15	Dan Erdman
9990919003	T5-7-WB-3	Solid	9/27/12 11:20	9/29/12 12:15	Dan Erdman
9990919004	T5-7-CH-4	Solid	9/27/12 11:25	9/29/12 12:15	Dan Erdman
9990919005	T5-6-WB-5	Solid	9/27/12 11:48	9/29/12 12:15	Dan Erdman
9990919006	T4-6-WB-6	Solid	9/27/12 12:02	9/29/12 12:15	Dan Erdman
9990919007	T4-6-CH-7	Solid	9/27/12 12:20	9/29/12 12:15	Dan Erdman
9990919008	T5-7-WP-8	Wipe	9/27/12 12:25	9/29/12 12:15	Dan Erdman
9990919009	T5-6-WP-9	Wipe	9/27/12 12:38	9/29/12 12:15	Dan Erdman
9990919010	T4-5-WB-10	Solid	9/27/12 13:20	9/29/12 12:15	Dan Erdman
9990919011	T4-5-SW-11	Solid	9/27/12 13:25	9/29/12 12:15	Dan Erdman
9990919012	T4-4-CH-12	Solid	9/27/12 16:00	9/29/12 12:15	Dan Erdman
9990919013	T4-4-WP-13	Wipe	9/27/12 14:15	9/29/12 12:15	Dan Erdman
9990919014	T4-4-WB-14	Solid	9/27/12 14:25	9/29/12 12:15	Dan Erdman
9990919015	T4-4-WP-15	Wipe	9/27/12 16:35	9/29/12 12:15	Dan Erdman
9990919016	T5-3-WB-16	Solid	9/27/12 16:45	9/29/12 12:15	Dan Erdman
9990919017	T4-3-CH-17	Solid	9/27/12 17:00	9/29/12 12:15	Dan Erdman
9990919018	BH-SEDT-18	Solid	9/27/12 17:20	9/29/12 12:15	Dan Erdman
9990919019	BH-WP-19	Wipe	9/27/12 17:25	9/29/12 12:15	Dan Erdman
9990919020	BH-WP-20	Wipe	9/27/12 17:35	9/29/12 12:15	Dan Erdman
9990919021	BH-WP-21	Wipe	9/27/12 17:40	9/29/12 12:15	Dan Erdman
9990919022	BH-WP-22	Wipe	9/27/12 17:45	9/29/12 12:15	Dan Erdman
9990919023	BH-WP-23	Wipe	9/27/12 17:50	9/29/12 12:15	Dan Erdman
9990919024	BH-WP-24	Wipe	9/27/12 17:53	9/29/12 12:15	Dan Erdman
9990919025	BH-WP-25	Wipe	9/27/12 18:00	9/29/12 12:15	Dan Erdman
9990919026	BH-WP-26	Wipe	9/27/12 18:10	9/29/12 12:15	Dan Erdman
9990919027	BSMT-SW-27	Solid	9/27/12 17:55	9/29/12 12:15	Dan Erdman

Workorder Comments:

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State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

SAMPLE SUMMARY

Workorder: 9990919 KKS002|50 Dey Street

Discard Date: 10/31/2012

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By

Notes

- -- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- -- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- -- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- -- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- -- The Chain of Custody document is included as part of this report.
- -- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- -- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919001** Date Collected: 9/27/2012 10:50 Matrix: Solid

Sample ID: **T4-7-CH-1** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	9.7	mg/kg		0.67	0.67	SW846 8082A	10/9/12	RMK	10/12/12 09:39	JJH	B1
Aroclor-1016	0.67 U	mg/kg		0.67	0.39	SW846 8082A	10/9/12	RMK	10/12/12 09:39	JJH	B1
Aroclor-1221	0.67 U	mg/kg		0.67	0.49	SW846 8082A	10/9/12	RMK	10/12/12 09:39	JJH	B1
Aroclor-1232	0.67 U	mg/kg		0.67	0.29	SW846 8082A	10/9/12	RMK	10/12/12 09:39	JJH	B1
Aroclor-1242	0.67 U	mg/kg		0.67	0.12	SW846 8082A	10/9/12	RMK	10/12/12 09:39	JJH	B1
Aroclor-1248	0.67 U	mg/kg		0.67	0.31	SW846 8082A	10/9/12	RMK	10/12/12 09:39	JJH	B1
Aroclor-1254	9.7	mg/kg		0.67	0.55	SW846 8082A	10/9/12	RMK	10/12/12 09:39	JJH	B1
Aroclor-1260	0.67 U	mg/kg		0.67	0.37	SW846 8082A	10/9/12	RMK	10/12/12 09:39	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	21200	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 09:39	JJH	B1
Tetrachloro-m-xylene (S)	87.7	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 09:39	JJH	B1
WET CHEMISTRY											
Moisture	2.8	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	97.2	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly. One or more of the surrogates could not be evaluated as a result of the dilution.

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Technical Manager

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919002** Date Collected: 9/27/2012 11:05 Matrix: Solid

Sample ID: **T4-7-WB-2** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	12.1	mg/kg		1.7	1.7	SW846 8082A	10/9/12	RMK	10/12/12 09:57	JJH	B1
Aroclor-1016	1.7 U	mg/kg		1.7	1.0	SW846 8082A	10/9/12	RMK	10/12/12 09:57	JJH	B1
Aroclor-1221	1.7 U	mg/kg		1.7	1.3	SW846 8082A	10/9/12	RMK	10/12/12 09:57	JJH	B1
Aroclor-1232	1.7 U	mg/kg		1.7	0.74	SW846 8082A	10/9/12	RMK	10/12/12 09:57	JJH	B1
Aroclor-1242	1.7 U	mg/kg		1.7	0.31	SW846 8082A	10/9/12	RMK	10/12/12 09:57	JJH	B1
Aroclor-1248	1.7 U	mg/kg		1.7	0.79	SW846 8082A	10/9/12	RMK	10/12/12 09:57	JJH	B1
Aroclor-1254	12.1	mg/kg		1.7	1.4	SW846 8082A	10/9/12	RMK	10/12/12 09:57	JJH	B1
Aroclor-1260	1.7 U	mg/kg		1.7	0.95	SW846 8082A	10/9/12	RMK	10/12/12 09:57	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	0	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 09:57	JJH	B1
Tetrachloro-m-xylene (S)	0	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 09:57	JJH	B1
WET CHEMISTRY											
Moisture	5.6	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	94.4	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly. One or more of the surrogates could not be evaluated as a result of the dilution.

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919003** Date Collected: 9/27/2012 11:20 Matrix: Solid

Sample ID: **T5-7-WB-3** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	21.5	mg/kg		1.7	1.7	SW846 8082A	10/9/12	RMK	10/12/12 11:09	JJH	B1
Aroclor-1016	1.7 U	mg/kg		1.7	0.97	SW846 8082A	10/9/12	RMK	10/12/12 11:09	JJH	B1
Aroclor-1221	1.7 U	mg/kg		1.7	1.2	SW846 8082A	10/9/12	RMK	10/12/12 11:09	JJH	B1
Aroclor-1232	1.7 U	mg/kg		1.7	0.71	SW846 8082A	10/9/12	RMK	10/12/12 11:09	JJH	B1
Aroclor-1242	1.7 U	mg/kg		1.7	0.30	SW846 8082A	10/9/12	RMK	10/12/12 11:09	JJH	B1
Aroclor-1248	1.7 U	mg/kg		1.7	0.76	SW846 8082A	10/9/12	RMK	10/12/12 11:09	JJH	B1
Aroclor-1254	14.4	mg/kg		1.7	1.4	SW846 8082A	10/9/12	RMK	10/12/12 11:09	JJH	B1
Aroclor-1260	7.2	mg/kg		1.7	0.92	SW846 8082A	10/9/12	RMK	10/12/12 11:09	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	0	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 11:09	JJH	B1
Tetrachloro-m-xylene (S)	0	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 11:09	JJH	B1
WET CHEMISTRY											
Moisture	3.0	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	97.0	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly. One or more of the surrogates could not be evaluated as a result of the dilution.

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919004** Date Collected: 9/27/2012 11:25 Matrix: Solid

Sample ID: **T5-7-CH-4** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	8.6	mg/kg		0.66	0.66	SW846 8082A	10/9/12	RMK	10/12/12 11:27	JJH	B1
Aroclor-1016	0.66 U	mg/kg		0.66	0.38	SW846 8082A	10/9/12	RMK	10/12/12 11:27	JJH	B1
Aroclor-1221	0.66 U	mg/kg		0.66	0.48	SW846 8082A	10/9/12	RMK	10/12/12 11:27	JJH	B1
Aroclor-1232	0.66 U	mg/kg		0.66	0.28	SW846 8082A	10/9/12	RMK	10/12/12 11:27	JJH	B1
Aroclor-1242	0.66 U	mg/kg		0.66	0.12	SW846 8082A	10/9/12	RMK	10/12/12 11:27	JJH	B1
Aroclor-1248	0.66 U	mg/kg		0.66	0.30	SW846 8082A	10/9/12	RMK	10/12/12 11:27	JJH	B1
Aroclor-1254	8.6	mg/kg		0.66	0.54	SW846 8082A	10/9/12	RMK	10/12/12 11:27	JJH	B1
Aroclor-1260	0.66 U	mg/kg		0.66	0.36	SW846 8082A	10/9/12	RMK	10/12/12 11:27	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	21200	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 11:27	JJH	B1
Tetrachloro-m-xylene (S)	58.4	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 11:27	JJH	B1
WET CHEMISTRY											
Moisture	1.3	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	98.7	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly. One or more of the surrogates could not be evaluated as a result of the dilution.

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919005** Date Collected: 9/27/2012 11:48 Matrix: Solid

Sample ID: **T5-6-WB-5** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	12.8	mg/kg		3.5	3.5	SW846 8082A	10/9/12	RMK	10/12/12 11:45	JJH	B1
Aroclor-1016	3.5 U	mg/kg		3.5	2.0	SW846 8082A	10/9/12	RMK	10/12/12 11:45	JJH	B1
Aroclor-1221	3.5 U	mg/kg		3.5	2.5	SW846 8082A	10/9/12	RMK	10/12/12 11:45	JJH	B1
Aroclor-1232	3.5 U	mg/kg		3.5	1.5	SW846 8082A	10/9/12	RMK	10/12/12 11:45	JJH	B1
Aroclor-1242	3.5 U	mg/kg		3.5	0.62	SW846 8082A	10/9/12	RMK	10/12/12 11:45	JJH	B1
Aroclor-1248	3.5 U	mg/kg		3.5	1.6	SW846 8082A	10/9/12	RMK	10/12/12 11:45	JJH	B1
Aroclor-1254	12.8	mg/kg		3.5	2.9	SW846 8082A	10/9/12	RMK	10/12/12 11:45	JJH	B1
Aroclor-1260	3.5 U	mg/kg		3.5	1.9	SW846 8082A	10/9/12	RMK	10/12/12 11:45	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	0	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 11:45	JJH	B1
Tetrachloro-m-xylene (S)	0	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 11:45	JJH	B1
WET CHEMISTRY											
Moisture	5.7	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	94.3	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly. One or more of the surrogates could not be evaluated as a result of the dilution.

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Technical Manager

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919006** Date Collected: 9/27/2012 12:02 Matrix: Solid

Sample ID: **T4-6-WB-6** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	8.5	mg/kg		3.7	3.7	SW846 8082A	10/9/12	RMK	10/12/12 12:03	JJH	B1
Aroclor-1016	3.7 U	mg/kg		3.7	2.1	SW846 8082A	10/9/12	RMK	10/12/12 12:03	JJH	B1
Aroclor-1221	3.7 U	mg/kg		3.7	2.7	SW846 8082A	10/9/12	RMK	10/12/12 12:03	JJH	B1
Aroclor-1232	3.7 U	mg/kg		3.7	1.6	SW846 8082A	10/9/12	RMK	10/12/12 12:03	JJH	B1
Aroclor-1242	3.7 U	mg/kg		3.7	0.66	SW846 8082A	10/9/12	RMK	10/12/12 12:03	JJH	B1
Aroclor-1248	3.7 U	mg/kg		3.7	1.7	SW846 8082A	10/9/12	RMK	10/12/12 12:03	JJH	B1
Aroclor-1254	8.5	mg/kg		3.7	3.0	SW846 8082A	10/9/12	RMK	10/12/12 12:03	JJH	B1
Aroclor-1260	3.7 U	mg/kg		3.7	2.0	SW846 8082A	10/9/12	RMK	10/12/12 12:03	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	0	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 12:03	JJH	B1
Tetrachloro-m-xylene (S)	0	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 12:03	JJH	B1
WET CHEMISTRY											
Moisture	11.2	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	88.8	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly. One or more of the surrogates could not be evaluated as a result of the dilution.

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919007** Date Collected: 9/27/2012 12:20 Matrix: Solid

Sample ID: **T4-6-CH-7** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	0.27	mg/kg		0.033	0.033	SW846 8082A	10/9/12	RMK	10/11/12 15:44	JJH	B1
Aroclor-1016	0.033 U	mg/kg		0.033	0.019	SW846 8082A	10/9/12	RMK	10/11/12 15:44	JJH	B1
Aroclor-1221	0.033 U	mg/kg		0.033	0.024	SW846 8082A	10/9/12	RMK	10/11/12 15:44	JJH	B1
Aroclor-1232	0.033 U	mg/kg		0.033	0.014	SW846 8082A	10/9/12	RMK	10/11/12 15:44	JJH	B1
Aroclor-1242	0.033 U	mg/kg		0.033	0.0060	SW846 8082A	10/9/12	RMK	10/11/12 15:44	JJH	B1
Aroclor-1248	0.033 U	mg/kg		0.033	0.015	SW846 8082A	10/9/12	RMK	10/11/12 15:44	JJH	B1
Aroclor-1254	0.27	mg/kg		0.033	0.027	SW846 8082A	10/9/12	RMK	10/11/12 15:44	JJH	B1
Aroclor-1260	0.033 U	mg/kg		0.033	0.018	SW846 8082A	10/9/12	RMK	10/11/12 15:44	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	118	%		30-150		SW846 8082A	10/9/12	RMK	10/11/12 15:44	JJH	B1
Tetrachloro-m-xylene (S)	36.6	%		30-150		SW846 8082A	10/9/12	RMK	10/11/12 15:44	JJH	B1
WET CHEMISTRY											
Moisture	2.4	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	97.6	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

Anna G Milliken
Technical Manager

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State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919008** Date Collected: 9/27/2012 12:25 Matrix: Wipe

Sample ID: **T5-7-WP-8** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 09:56	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 09:56	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 09:56	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 09:56	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 09:56	JJH	A1
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 09:56	JJH	A1
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 09:56	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	63.7	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 09:56	JJH	A1
Tetrachloro-m-xylene (S)	73	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 09:56	JJH	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919009** Date Collected: 9/27/2012 12:38 Matrix: Wipe

Sample ID: **T5-6-WP-9** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 10:12	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 10:12	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 10:12	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 10:12	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 10:12	JJH	A1
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 10:12	JJH	A1
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 10:12	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	66	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 10:12	JJH	A1
Tetrachloro-m-xylene (S)	53.9	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 10:12	JJH	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919010** Date Collected: 9/27/2012 13:20 Matrix: Solid

Sample ID: **T4-5-WB-10** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	0.89	mg/kg		0.034	0.034	SW846 8082A	10/9/12	RMK	10/12/12 12:21	JJH	B1
Aroclor-1016	0.034 U	mg/kg		0.034	0.020	SW846 8082A	10/9/12	RMK	10/12/12 12:21	JJH	B1
Aroclor-1221	0.034 U	mg/kg		0.034	0.025	SW846 8082A	10/9/12	RMK	10/12/12 12:21	JJH	B1
Aroclor-1232	0.034 U	mg/kg		0.034	0.015	SW846 8082A	10/9/12	RMK	10/12/12 12:21	JJH	B1
Aroclor-1242	0.43	mg/kg		0.034	0.0062	SW846 8082A	10/9/12	RMK	10/12/12 12:21	JJH	B1
Aroclor-1248	0.034 U	mg/kg		0.034	0.016	SW846 8082A	10/9/12	RMK	10/12/12 12:21	JJH	B1
Aroclor-1254	0.46	mg/kg		0.034	0.028	SW846 8082A	10/9/12	RMK	10/12/12 12:21	JJH	B1
Aroclor-1260	0.034 U	mg/kg		0.034	0.019	SW846 8082A	10/9/12	RMK	10/12/12 12:21	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	75.6	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 12:21	JJH	B1
Tetrachloro-m-xylene (S)	35.1	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 12:21	JJH	B1
WET CHEMISTRY											
Moisture	4.5	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	95.5	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919011** Date Collected: 9/27/2012 13:25 Matrix: Solid

Sample ID: **T4-5-SW-11** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	0.033 U	mg/kg		0.033	0.033	SW846 8082A	10/9/12	RMK	10/11/12 16:20	JJH	B1
Aroclor-1016	0.033 U	mg/kg		0.033	0.019	SW846 8082A	10/9/12	RMK	10/11/12 16:20	JJH	B1
Aroclor-1221	0.033 U	mg/kg		0.033	0.024	SW846 8082A	10/9/12	RMK	10/11/12 16:20	JJH	B1
Aroclor-1232	0.033 U	mg/kg		0.033	0.014	SW846 8082A	10/9/12	RMK	10/11/12 16:20	JJH	B1
Aroclor-1242	0.033 U	mg/kg		0.033	0.0059	SW846 8082A	10/9/12	RMK	10/11/12 16:20	JJH	B1
Aroclor-1248	0.033 U	mg/kg		0.033	0.015	SW846 8082A	10/9/12	RMK	10/11/12 16:20	JJH	B1
Aroclor-1254	0.033 U	mg/kg		0.033	0.027	SW846 8082A	10/9/12	RMK	10/11/12 16:20	JJH	B1
Aroclor-1260	0.033 U	mg/kg		0.033	0.018	SW846 8082A	10/9/12	RMK	10/11/12 16:20	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	51.1	%		30-150		SW846 8082A	10/9/12	RMK	10/11/12 16:20	JJH	B1
Tetrachloro-m-xylene (S)	43.3	%		30-150		SW846 8082A	10/9/12	RMK	10/11/12 16:20	JJH	B1
WET CHEMISTRY											
Moisture	1.3	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	98.7	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919012** Date Collected: 9/27/2012 16:00 Matrix: Solid

Sample ID: **T4-4-CH-12** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	0.034 U	mg/kg		0.034	0.034	SW846 8082A	10/9/12	RMK	10/11/12 16:49	JJH	B1
Aroclor-1016	0.034 U	mg/kg		0.034	0.019	SW846 8082A	10/9/12	RMK	10/11/12 16:49	JJH	B1
Aroclor-1221	0.034 U	mg/kg		0.034	0.024	SW846 8082A	10/9/12	RMK	10/11/12 16:49	JJH	B1
Aroclor-1232	0.034 U	mg/kg		0.034	0.014	SW846 8082A	10/9/12	RMK	10/11/12 16:49	JJH	B1
Aroclor-1242	0.034 U	mg/kg		0.034	0.0060	SW846 8082A	10/9/12	RMK	10/11/12 16:49	JJH	B1
Aroclor-1248	0.034 U	mg/kg		0.034	0.015	SW846 8082A	10/9/12	RMK	10/11/12 16:49	JJH	B1
Aroclor-1254	0.034 U	mg/kg		0.034	0.027	SW846 8082A	10/9/12	RMK	10/11/12 16:49	JJH	B1
Aroclor-1260	0.034 U	mg/kg		0.034	0.018	SW846 8082A	10/9/12	RMK	10/11/12 16:49	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	37.2	%		30-150		SW846 8082A	10/9/12	RMK	10/11/12 16:49	JJH	B1
Tetrachloro-m-xylene (S)	125	%		30-150		SW846 8082A	10/9/12	RMK	10/11/12 16:49	JJH	B1
WET CHEMISTRY											
Moisture	1.8	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	98.2	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919013** Date Collected: 9/27/2012 14:15 Matrix: Wipe

Sample ID: **T4-4-WP-13** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 10:30	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 10:30	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 10:30	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 10:30	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 10:30	JJH	A1
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 10:30	JJH	A1
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 10:30	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	60.6	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 10:30	JJH	A1
Tetrachloro-m-xylene (S)	62.9	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 10:30	JJH	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919014** Date Collected: 9/27/2012 14:25 Matrix: Solid

Sample ID: **T4-4-WB-14** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	0.42	mg/kg		0.035	0.035	SW846 8082A	10/9/12	RMK	10/11/12 17:08	JJH	B1
Aroclor-1016	0.035 U	mg/kg		0.035	0.020	SW846 8082A	10/9/12	RMK	10/11/12 17:08	JJH	B1
Aroclor-1221	0.035 U	mg/kg		0.035	0.026	SW846 8082A	10/9/12	RMK	10/11/12 17:08	JJH	B1
Aroclor-1232	0.035 U	mg/kg		0.035	0.015	SW846 8082A	10/9/12	RMK	10/11/12 17:08	JJH	B1
Aroclor-1242	0.035 U	mg/kg		0.035	0.0063	SW846 8082A	10/9/12	RMK	10/11/12 17:08	JJH	B1
Aroclor-1248	0.035 U	mg/kg		0.035	0.016	SW846 8082A	10/9/12	RMK	10/11/12 17:08	JJH	B1
Aroclor-1254	0.42	mg/kg		0.035	0.029	SW846 8082A	10/9/12	RMK	10/11/12 17:08	JJH	B1
Aroclor-1260	0.035 U	mg/kg		0.035	0.019	SW846 8082A	10/9/12	RMK	10/11/12 17:08	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	124	%		30-150		SW846 8082A	10/9/12	RMK	10/11/12 17:08	JJH	B1
Tetrachloro-m-xylene (S)	160	%	1	30-150		SW846 8082A	10/9/12	RMK	10/11/12 17:08	JJH	B1
WET CHEMISTRY											
Moisture	6.1	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	93.9	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919015** Date Collected: 9/27/2012 16:35 Matrix: Wipe

Sample ID: **T4-4-WP-15** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 10:48	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 10:48	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 10:48	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 10:48	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 10:48	JJH	A1
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 10:48	JJH	A1
Aroclor-1260	1.0	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 10:48	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	60.3	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 10:48	JJH	A1
Tetrachloro-m-xylene (S)	65.9	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 10:48	JJH	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919016** Date Collected: 9/27/2012 16:45 Matrix: Solid

Sample ID: **T5-3-WB-16** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	2.1	mg/kg		0.036	0.036	SW846 8082A	10/9/12	RMK	10/11/12 17:26	JJH	B1
Aroclor-1016	0.036 U	mg/kg		0.036	0.020	SW846 8082A	10/9/12	RMK	10/11/12 17:26	JJH	B1
Aroclor-1221	0.036 U	mg/kg		0.036	0.026	SW846 8082A	10/9/12	RMK	10/11/12 17:26	JJH	B1
Aroclor-1232	0.036 U	mg/kg		0.036	0.015	SW846 8082A	10/9/12	RMK	10/11/12 17:26	JJH	B1
Aroclor-1242	0.036 U	mg/kg		0.036	0.0064	SW846 8082A	10/9/12	RMK	10/11/12 17:26	JJH	B1
Aroclor-1248	0.036 U	mg/kg		0.036	0.016	SW846 8082A	10/9/12	RMK	10/11/12 17:26	JJH	B1
Aroclor-1254	0.65	mg/kg		0.036	0.029	SW846 8082A	10/9/12	RMK	10/11/12 17:26	JJH	B1
Aroclor-1260	1.4	mg/kg		0.036	0.019	SW846 8082A	10/9/12	RMK	10/11/12 17:26	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	64.6	%		30-150		SW846 8082A	10/9/12	RMK	10/11/12 17:26	JJH	B1
Tetrachloro-m-xylene (S)	38.5	%		30-150		SW846 8082A	10/9/12	RMK	10/11/12 17:26	JJH	B1
WET CHEMISTRY											
Moisture	7.3	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	92.7	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919017** Date Collected: 9/27/2012 17:00 Matrix: Solid

Sample ID: **T4-3-CH-17** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	0.27	mg/kg		0.033	0.033	SW846 8082A	10/9/12	RMK	10/12/12 07:15	JJH	B1
Aroclor-1016	0.033 U	mg/kg		0.033	0.019	SW846 8082A	10/9/12	RMK	10/12/12 07:15	JJH	B1
Aroclor-1221	0.033 U	mg/kg		0.033	0.024	SW846 8082A	10/9/12	RMK	10/12/12 07:15	JJH	B1
Aroclor-1232	0.033 U	mg/kg		0.033	0.014	SW846 8082A	10/9/12	RMK	10/12/12 07:15	JJH	B1
Aroclor-1242	0.033 U	mg/kg		0.033	0.0060	SW846 8082A	10/9/12	RMK	10/12/12 07:15	JJH	B1
Aroclor-1248	0.033 U	mg/kg		0.033	0.015	SW846 8082A	10/9/12	RMK	10/12/12 07:15	JJH	B1
Aroclor-1254	0.27	mg/kg		0.033	0.027	SW846 8082A	10/9/12	RMK	10/12/12 07:15	JJH	B1
Aroclor-1260	0.033 U	mg/kg		0.033	0.018	SW846 8082A	10/9/12	RMK	10/12/12 07:15	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	33.9	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 07:15	JJH	B1
Tetrachloro-m-xylene (S)	33.2	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 07:15	JJH	B1
WET CHEMISTRY											
Moisture	1.7	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	98.3	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919018** Date Collected: 9/27/2012 17:20 Matrix: Solid

Sample ID: **BH-SEDT-18** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
Acenaphthene	540 U	ug/kg		540	162	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Acenaphthylene	540 U	ug/kg		540	130	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Acetophenone	1080 U	ug/kg		1080	151	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Anthracene	208J	ug/kg		540	162	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Atrazine	1080 U	ug/kg		1080	302	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Benzaldehyde	2920 U	ug/kg		2920	659	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Benzo(a)anthracene	1270	ug/kg		540	151	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Benzo(a)pyrene	540 U	ug/kg		540	140	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Benzo(b)fluoranthene	2540	ug/kg		540	173	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Benzo(g,h,i)perylene	440J	ug/kg		540	162	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Benzo(k)fluoranthene	727	ug/kg		540	194	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Biphenyl	1080 U	ug/kg		1080	173	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
4-Bromophenyl-phenylether	1080 U	ug/kg		1080	184	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Butylbenzylphthalate	656J	ug/kg		1080	216	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Caprolactam	2920 U	ug/kg		2920	810	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Carbazole	251J	ug/kg		1080	173	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
4-Chloro-3-methylphenol	2920 U	ug/kg		2920	194	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
4-Chloroaniline	2920 U	ug/kg		2920	788	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
bis(2-Chloroethoxy)methane	1080 U	ug/kg		1080	184	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
bis(2-Chloroethyl)ether	1080 U	ug/kg		1080	205	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
bis(2-Chloroisopropyl)ether	1080 U	ug/kg		1080	184	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
2-Chloronaphthalene	1080 U	ug/kg		1080	173	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
2-Chlorophenol	2920 U	ug/kg		2920	162	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
4-Chlorophenyl-phenylether	1080 U	ug/kg		1080	162	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Chrysene	2160	ug/kg		540	173	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
mp-Cresol	2920 U	ug/kg		2920	432	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
o-Cresol	2920 U	ug/kg		2920	313	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Di-n-Butylphthalate	521J	ug/kg		1080	184	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Di-n-Octylphthalate	2920 U	ug/kg		2920	184	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Dibenzo(a,h)anthracene	540 U	ug/kg		540	151	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Dibenzofuran	1080 U	ug/kg		1080	162	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
3,3-Dichlorobenzidine	1620 U	ug/kg		1620	1070	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
2,4-Dichlorophenol	1080 U	ug/kg		1080	162	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Diethylphthalate	704J	ug/kg		1080	140	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
2,4-Dimethylphenol	2920 U	ug/kg		2920	832	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Dimethylphthalate	1080 U	ug/kg		1080	162	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
2,4-Dinitrophenol	1080 U	ug/kg		1080	529	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
2,4-Dinitrotoluene	1080 U	ug/kg		1080	173	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
2,6-Dinitrotoluene	1080 U	ug/kg		1080	140	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
bis(2-Ethylhexyl)phthalate	4880	ug/kg		1080	194	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Fluoranthene	2000	ug/kg		540	173	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919018** Date Collected: 9/27/2012 17:20 Matrix: Solid

Sample ID: **BH-SEDT-18** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
Fluorene	540 U	ug/kg		540	173	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Hexachlorobenzene	1080 U	ug/kg		1080	162	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Hexachlorobutadiene	1080 U	ug/kg		1080	151	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Hexachlorocyclopentadiene	2920 U	ug/kg		2920	713	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Hexachloroethane	1080 U	ug/kg		1080	162	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Indeno(1,2,3-cd)pyrene	540 U	ug/kg		540	162	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Isophorone	1080 U	ug/kg		1080	140	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
2-Methyl-4,6-dinitrophenol	2920 U	ug/kg		2920	745	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
2-Methylnaphthalene	179J	ug/kg		540	173	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Naphthalene	540 U	ug/kg		540	151	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
2-Nitroaniline	2920 U	ug/kg		2920	886	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
3-Nitroaniline	2920 U	ug/kg		2920	626	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
4-Nitroaniline	2920 U	ug/kg		2920	659	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Nitrobenzene	1080 U	ug/kg		1080	194	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
2-Nitrophenol	2920 U	ug/kg		2920	346	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
4-Nitrophenol	2920 U	ug/kg		2920	864	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
N-Nitroso-di-n-propylamine	1080 U	ug/kg		1080	162	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
N-Nitrosodiphenylamine	1080 U	ug/kg		1080	216	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Pentachlorophenol	1080 U	ug/kg		1080	821	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Phenanthrene	1600	ug/kg		540	173	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Phenol	196J	ug/kg		2920	184	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Pyrene	3890	ug/kg		540	184	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
1,2,4,5-Tetrachlorobenzene	1080 U	ug/kg		1080	162	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
2,3,4,6-Tetrachlorophenol	2920 U	ug/kg		2920	162	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
2,4,5-Trichlorophenol	2920 U	ug/kg		2920	194	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
2,4,6-Trichlorophenol	1080 U	ug/kg		1080	194	SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	51	%		37-123		SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
2-Fluorobiphenyl (S)	67.6	%		45-105		SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
2-Fluorophenol (S)	54.3	%		35-104		SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Nitrobenzene-d5 (S)	59.1	%		41-110		SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Phenol-d5 (S)	55.9	%		40-100		SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
Terphenyl-d14 (S)	77.7	%		38-113		SW846 8270D	10/11/12	KCF	10/12/12 16:03	AJL	B5
PCBs											
Total Polychlorinated Biphenyl	0.12	mg/kg		0.036	0.036	SW846 8082A	10/11/12	CJG	10/11/12 22:12	JJH	B2
Aroclor-1016	0.036 U	mg/kg		0.036	0.021	SW846 8082A	10/11/12	CJG	10/11/12 22:12	JJH	B2
Aroclor-1221	0.036 U	mg/kg		0.036	0.026	SW846 8082A	10/11/12	CJG	10/11/12 22:12	JJH	B2
Aroclor-1232	0.036 U	mg/kg		0.036	0.015	SW846 8082A	10/11/12	CJG	10/11/12 22:12	JJH	B2
Aroclor-1242	0.036 U	mg/kg		0.036	0.0064	SW846 8082A	10/11/12	CJG	10/11/12 22:12	JJH	B2
Aroclor-1248	0.036 U	mg/kg		0.036	0.016	SW846 8082A	10/11/12	CJG	10/11/12 22:12	JJH	B2

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919018** Date Collected: 9/27/2012 17:20 Matrix: Solid

Sample ID: **BH-SEDT-18** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
Aroclor-1254	0.036 U	mg/kg		0.036	0.029	SW846 8082A	10/11/12	CJG	10/11/12 22:12	JJH	B2
Aroclor-1260	0.12	mg/kg		0.036	0.020	SW846 8082A	10/11/12	CJG	10/11/12 22:12	JJH	B2
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	37.2	%		30-150		SW846 8082A	10/11/12	CJG	10/11/12 22:12	JJH	B2
Tetrachloro-m-xylene (S)	44.6	%		30-150		SW846 8082A	10/11/12	CJG	10/11/12 22:12	JJH	B2
WET CHEMISTRY											
Moisture	7.7	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	92.3	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
METALS											
Antimony, Total	8.2	mg/kg		1.0	0.34	SW846 6020A	10/2/12	KMK	10/5/12 11:51	MWO	B1
Arsenic, Total	7.2	mg/kg		1.5	0.51	SW846 6020A	10/2/12	KMK	10/5/12 11:51	MWO	B1
Beryllium, Total	0.55	mg/kg		0.51	0.17	SW846 6020A	10/2/12	KMK	10/5/12 11:51	MWO	B1
Cadmium, Total	5.3	mg/kg		0.51	0.17	SW846 6020A	10/2/12	KMK	10/5/12 11:51	MWO	B1
Chromium, Total	67.6	mg/kg		1.0	0.34	SW846 6020A	10/2/12	KMK	10/5/12 11:51	MWO	B1
Copper, Total	123	mg/kg		2.6	0.82	SW846 6020A	10/2/12	KMK	10/5/12 11:51	MWO	B1
Lead, Total	418	mg/kg		1.0	0.34	SW846 6020A	10/2/12	KMK	10/5/12 11:51	MWO	B1
Mercury, Total	2.5	mg/kg		0.095	0.030	SW846 7471B	10/11/12	MNP	10/11/12 12:23	MNP	B4
Nickel, Total	28.9	mg/kg		2.6	0.82	SW846 6020A	10/2/12	KMK	10/5/12 11:51	MWO	B1
Selenium, Total	2.6 U	mg/kg		2.6	0.82	SW846 6020A	10/2/12	KMK	10/5/12 11:51	MWO	B1
Silver, Total	0.45J	mg/kg		1.0	0.34	SW846 6020A	10/2/12	KMK	10/5/12 11:51	MWO	B1
Thallium, Total	0.51 U	mg/kg		0.51	0.17	SW846 6020A	10/2/12	KMK	10/5/12 11:51	MWO	B1
Zinc, Total	1280	mg/kg		2.6	0.82	SW846 6020A	10/2/12	KMK	10/5/12 11:51	MWO	B1

Sample Comments:

Results from the PAH selective ion monitoring anlaysis were not reported. Results associated with the SIM analysis are suspect due to high levels of target and non-target analytes.

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919018** Date Collected: 9/27/2012 17:20 Matrix: Solid

Sample ID: **BH-SEDT-18** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr

Anna G Milliken
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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919019** Date Collected: 9/27/2012 17:25 Matrix: Wipe

Sample ID: **BH-WP-19** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 11:06	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 11:06	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 11:06	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 11:06	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 11:06	JJH	A1
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 11:06	JJH	A1
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 11:06	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	66.6	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 11:06	JJH	A1
Tetrachloro-m-xylene (S)	68.9	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 11:06	JJH	A1

Sample Comments:

Anna G Milliken
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State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919020** Date Collected: 9/27/2012 17:35 Matrix: Wipe

Sample ID: **BH-WP-20** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 11:24	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 11:24	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 11:24	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 11:24	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 11:24	JJH	A1
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 11:24	JJH	A1
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 11:24	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	72.4	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 11:24	JJH	A1
Tetrachloro-m-xylene (S)	70.9	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 11:24	JJH	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919021** Date Collected: 9/27/2012 17:40 Matrix: Wipe

Sample ID: **BH-WP-21** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 11:42	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 11:42	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 11:42	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 11:42	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 11:42	JJH	A1
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 11:42	JJH	A1
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 11:42	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	60	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 11:42	JJH	A1
Tetrachloro-m-xylene (S)	53.3	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 11:42	JJH	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919022** Date Collected: 9/27/2012 17:45 Matrix: Wipe
Sample ID: **BH-WP-22** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 12:00	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 12:00	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 12:00	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 12:00	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 12:00	JJH	A1
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 12:00	JJH	A1
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 12:00	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	62.6	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 12:00	JJH	A1
Tetrachloro-m-xylene (S)	54.1	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 12:00	JJH	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919023** Date Collected: 9/27/2012 17:50 Matrix: Wipe

Sample ID: **BH-WP-23** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 12:15	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 12:15	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 12:15	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 12:15	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 12:15	JJH	A1
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 12:15	JJH	A1
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 12:15	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	64.9	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 12:15	JJH	A1
Tetrachloro-m-xylene (S)	54	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 12:15	JJH	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919024** Date Collected: 9/27/2012 17:53 Matrix: Wipe

Sample ID: **BH-WP-24** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 13:05	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 13:05	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 13:05	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 13:05	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 13:05	JJH	A1
Aroclor-1254	1.2	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 13:05	JJH	A1
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 13:05	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	66.6	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 13:05	JJH	A1
Tetrachloro-m-xylene (S)	55.7	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 13:05	JJH	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919025** Date Collected: 9/27/2012 18:00 Matrix: Wipe

Sample ID: **BH-WP-25** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 13:23	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 13:23	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 13:23	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 13:23	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 13:23	JJH	A1
Aroclor-1254	1.2	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 13:23	JJH	A1
Aroclor-1260	1.1	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 13:23	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	60.8	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 13:23	JJH	A1
Tetrachloro-m-xylene (S)	56.5	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 13:23	JJH	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919026** Date Collected: 9/27/2012 18:10 Matrix: Wipe

Sample ID: **BH-WP-26** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 13:41	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 13:41	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 13:41	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 13:41	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 13:41	JJH	A1
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 13:41	JJH	A1
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/16/12	GEC	10/17/12 13:41	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	68.1	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 13:41	JJH	A1
Tetrachloro-m-xylene (S)	57.5	%		70-130		SW846 8082A	10/16/12	GEC	10/17/12 13:41	JJH	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990919 KKS002|50 Dey Street

Lab ID: **9990919027** Date Collected: 9/27/2012 17:55 Matrix: Solid

Sample ID: **BSMT-SW-27** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	0.47	mg/kg		0.036	0.036	SW846 8082A	10/9/12	RMK	10/12/12 07:33	JJH	B1
Aroclor-1016	0.036 U	mg/kg		0.036	0.021	SW846 8082A	10/9/12	RMK	10/12/12 07:33	JJH	B1
Aroclor-1221	0.036 U	mg/kg		0.036	0.026	SW846 8082A	10/9/12	RMK	10/12/12 07:33	JJH	B1
Aroclor-1232	0.036 U	mg/kg		0.036	0.015	SW846 8082A	10/9/12	RMK	10/12/12 07:33	JJH	B1
Aroclor-1242	0.036 U	mg/kg		0.036	0.0064	SW846 8082A	10/9/12	RMK	10/12/12 07:33	JJH	B1
Aroclor-1248	0.036 U	mg/kg		0.036	0.016	SW846 8082A	10/9/12	RMK	10/12/12 07:33	JJH	B1
Aroclor-1254	0.036 U	mg/kg		0.036	0.029	SW846 8082A	10/9/12	RMK	10/12/12 07:33	JJH	B1
Aroclor-1260	0.47	mg/kg		0.036	0.019	SW846 8082A	10/9/12	RMK	10/12/12 07:33	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	32.2	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 07:33	JJH	B1
Tetrachloro-m-xylene (S)	36.3	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 07:33	JJH	B1
WET CHEMISTRY											
Moisture	9.1	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	90.9	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 9990919 KKS002|50 Dey Street

PARAMETER QUALIFIERS\FLAGS

[1] The surrogate Tetrachloro-m-xylene for method SW846 8082A was outside of control limits. The % Recovery was reported as 160 and the control limits were 30 to 150. This result was reported at a dilution of 1.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/ SAMPLER INSTRUCTIONS ON THE BACK

Page 1 of 4
Courier:
Tracking #:
9990919

Co. Name: KEYSTONE E- SCIENCES GROUP, INC
Contact (Report to): DAN ERDMAN Phone: 610-407-402
Address: 590 E. LANCASTER AVE, SUITE 200
FRAZER, PA 19355

Bill to (if different than Report to):
PO#: 1

Project Name/#: SODEI STREET
ALS Quote #:
TAT: Normal-Standard TAT is 10 business days. Rush-Subject to ALS approval and surcharges.
Date Required:
Approved By:
Email? -Y
Fax? -Y No.:

**Container Type
**Container Size
**Preservative

ANALYSES/METHOD REQUESTED: PCB

Enter Number of Containers Per Analysis

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	PCB
1	T4-7-CH-1	CH= Concrete Chip		1050		SO	X
2	T4-7-WB-2	WB= Wood Block		1105			X
3	T5-7-WB-3			1120			X
4	T5-7-CH-4			1125			X
5	T5-6-WB-5			1148			X
6	T4-6-WB-6			1202			X
7	T4-6-CH-7			1220			X
8	T5-7-WP-8	WP= WIPE		1235		WP	X

Cooler Temp:
Therm. ID:
No. of Coolers:
Notes:

Correct containers? Y N
Correct sample volume? Y N
Correct preservation? Y N
Headspace/Volatiles? Y N
Circle appropriate Y or N:
Custody seals Present? Y N
(if present) Seals Intact? Y N
Received on Ice? Y N
COC/Labels complete/accurate? Y N
Container in good condition? Y N

SAMPLED BY (Please Print): DAN ERDMAN/MATT VOLNEDA
LOGGED BY (signature): 9/30/12 1800
REVIEWED BY (signature): 10/01/12 1102

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	9/28/12	2300	2	9/28	2345
3	9/29/12	0805	4	9/29	805
5 VM	9/29	1215	6	9/29/12	1215
7			8		
9			10		

Data Deliverables: Standard; CLP-like; NJ-Reduced; NJ-Full; HRW
EDDs Required?: If yes, format type:
SDWA Forms?: yes; yes; yes; yes
Other
State Samples Collected In?: MD; NJ; NY; PA
DOD Criteria Required?

ALS FIELD SERVICES: Pickup; Labor; Composite Sampling; Rental Equipment; Other:

* G=Grab; C=Composite
**Matrix: Air=Air; DW=Drinking Water; GW=Groundwater; Oil=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
**Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/ SAMPLER: INSTRUCTIONS ON THE BACK

Page 2 of 4
Courier:
Tracking #: 99909919

Co. Name: KEYSTONE E-SCIENCES
Contact (Report to):
Phone:
Address:

Bill to (if different than Report to):
PO#:

Project Name/#: 50 DEY STREET
ALS Quote #:
TAT: ☐ Normal-Standard TAT is 10 business days. ☐ Rush-Subject to ALS approval and surcharges.
Date Required:
Approved By:
Email? ☐ -Y
Fax? ☐ -Y No.:

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	PCBs
1	TS-6-WP-9		9/27/2012	1238		WP	X
2	TH-5-WB-10			1320			X
3	TH-5-SW-11			1325			X
4	TH-4-CH-12			1600			X
5	TH-4-WP-13			1415		WP	X
6	TH-4-WB-14			1425			X
7	TH-4-WP-15			1635		WP	X
8	TS-3-WB-16			1645			X

***Container Type
***Container Size
**Preservative

ANALYSES/METHOD REQUESTED

Enter Number of Containers Per Analysis

Receipt Information (completed by Sample Receipt)
Partyload #:
Cooler Temp:
Therm. ID: IR21
No. of Cooler:
Notes:

Correct containers?	Y	N
Correct sample volume?	Y	N
Correct preservation?	Y	N
Headspace/Volatiles?	Y	N
Circle appropriate Y or N		
Custody seals Present?	Y	N
(If present) Seals intact?	Y	N
Received on ice?	Y	N
COC/Labels complete/accurate?	Y	N
Container in good condition?	Y	N

SAMPLED BY (Please Print): DAN ERDMAN/MATT VOLKER
LOGGED BY (signature): DATE 9/30/2012
REVIEWED BY (signature): SSchaefer DATE 10/04/12 TIME 1102

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	28 Sep 12	2300	2	9/28/12	2300
3	29 Sep 12	0805	4	9/29/12	0805
5	9/29	12:15	6	9/29/12	1215
7			8		
9			10		

Data Deliverables: ☐ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ ____ ☐ If yes, format type:
EDDs Required?
SDWA Forms? yes / yes / yes / yes
Other
State Samples Collected In? MD ☐ NJ ☐ NY ☐ PA ☐
DOD Criteria Required?

ALS FIELD SERVICES: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

* G=Grab; C=Composite
** Matrix: Al=Air; DW=Drinking Water; GW=Groundwater; Ol=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
*** Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/ SAMPLER INSTRUCTIONS ON THE BACK

Courier:
Tracking #: 9990919

Co. Name: KEYSTONE E-SCIENCES
Contact (Report to):
Phone:
Address:

Bill to (if different than Report to):
PO#:

Project Name/#: 50 DEL STREET
ALS Quote #:
TAT: Normal-Standard TAT is 10 business days. Rush-Subject to ALS approval and surcharges.
Date Required:
Approved By:
Email? Y
Fax? Y No.:

Receipt Information (Inspected/Sample Receipt?)
Performed by: JMM
Cooler Temp:
Therm. ID: TR11
No. of Coolers:
Notes:

ANALYSES/METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	PCBs	SVOCs	RPL METALS
1	TH-3-CH-17		9/20	1730			X		
2	BH-SED'T-18			1730			X	X	X
3	BH-WP-19			1735		WP	X		
4	BH-WP-20			1735		WP	X		
5	BH-WP-21			1740		WP	X		
6	BH-WP-22			1745		WP	X		
7	BH-WP-23			1750		WP	X		
8	BH-WP-24			1753		WP	X		

Enter Number of Containers Per Analysis

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature] / KES	9/24/12	2300	2 [signature]	9/24/12	23:05
3 [signature]	9/24/12	0805	4 [signature]	9/29	805
5 [signature]	9/29	1215	6 [signature]	9/29/12	1215
7			8		
9			10		

SAMPLED BY (Please Print): DAN BRUNO/MATT VOORHEES
LOGGED BY (signature): [signature] DATE 9/30/2012
REVIEWED BY (signature): [signature] DATE 10/04/12 TIME 1102

Data Deliverables: Standard; CLP-like; NJ-Reduced; NJ-Full; ____ yes
EDDs Required? If yes, format type:
DOD Criteria Required?
SDWA Forms To: yes; yes; yes; yes Other
State Samples Collected In? MD; NJ; NY; PA

Correct containers? Y N
Correct sample volume? Y N
Correct preservation? Y N
Headspace/Volatiles? Y N
Circle appropriate Y or N:
Custody seals Present? Y N
(if present) Seals Intact? Y N
Received on Ice? Y N
COC/Labels complete/accurate? Y N
Container in good condition? Y N

ALS FIELD SERVICES: Pickup; Labor; Composite Sampling; Rental Equipment; Other:

* G=Grab; C=Composite
**Matrix: Al=Air; DW=Drinking Water; GW=Groundwater; Oil=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT! SAMPLER INSTRUCTIONS ON THE BACK

Page 4 of 4

Courier:

Tracking #: 9990919

Co. Name: KEYSTONE E-SCIENCES, GROUP, INC.

Contact (Report to):

Phone:

Address:

Bill to (if different than Report to):

PO#:

Project Name/#: 50 DEY STREET

ALS Quote #:

TAT: ☐ Normal-Standard TAT is 10 business days. ☐ Rush-Subject to ALS approval and surcharges.

Date Required:

Approved By:

Email? ☐ -Y

Fax? ☐ -Y No.:

| Sample Description/Location (as it will appear on the lab report) | COC Comments | Sample Date | Military Time | *G or C | **Matrix | PCBs | | |

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October 18, 2012

Mr. Dan Erdman
Keystone E-Sciences Group, Inc.
590 East Lancaster Ave.
Suite 200
Malvern, PA 19355

Certificate of Analysis

Project Name:	**2012-MJY-NJ PCB SITE**	Workorder:	**9990920**
Purchase Order:		Workorder ID:	**KKS003|50 Dey Street**

Dear Mr. Erdman,

Enclosed are the analytical results for samples received by the laboratory on Saturday, September 29, 2012.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Susan Scherer (Project Coordinator) or Anna G Milliken (Technical Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALS' NELAP accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Technical Manager

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SAMPLE SUMMARY

Workorder: 9990920 KKS003|50 Dey Street

Discard Date: 11/01/2012

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9990920001	BH-CH-30	Solid	9/28/12 08:20	9/29/12 12:15	Dan Erdman
9990920002	BH-CH-31	Solid	9/28/12 09:00	9/29/12 12:15	Dan Erdman
9990920003	FL-1-WB-32	Solid	9/28/12 09:35	9/29/12 12:15	Dan Erdman
9990920004	FL-1-WB-33	Solid	9/28/12 09:38	9/29/12 12:15	Dan Erdman
9990920005	T5-2-WB-34	Solid	9/28/12 10:00	9/29/12 12:15	Dan Erdman
9990920006	T5-2-WB-35	Solid	9/28/12 10:08	9/29/12 12:15	Dan Erdman
9990920007	T4-2-SW-36	Solid	9/28/12 10:20	9/29/12 12:15	Dan Erdman
9990920008	T4-2-WB-37	Solid	9/28/12 10:25	9/29/12 12:15	Dan Erdman
9990920009	T4-3-WB-38	Solid	9/28/12 10:43	9/29/12 12:15	Dan Erdman
9990920010	T5-3-CH-39	Solid	9/28/12 11:00	9/29/12 12:15	Dan Erdman
9990920011	FL-1-CH-40	Solid	9/28/12 11:35	9/29/12 12:15	Dan Erdman
9990920012	FL-1-WB-41	Solid	9/28/12 11:58	9/29/12 12:15	Dan Erdman
9990920013	FL-1-WP-42	Wipe	9/28/12 12:00	9/29/12 12:15	Dan Erdman
9990920014	FL-1-WP-43	Wipe	9/28/12 12:05	9/29/12 12:15	Dan Erdman
9990920015	FL-1-WP-44	Wipe	9/28/12 12:10	9/29/12 12:15	Dan Erdman
9990920016	T4-7-WP-45	Wipe	9/28/12 12:22	9/29/12 12:15	Dan Erdman
9990920017	T4-6-WP-46	Wipe	9/28/12 12:32	9/29/12 12:15	Dan Erdman
9990920018	T5-5-WP-47	Wipe	9/28/12 12:35	9/29/12 12:15	Dan Erdman
9990920019	T4-4-WP-48	Wipe	9/28/12 12:45	9/29/12 12:15	Dan Erdman
9990920020	T5-3-WP-49	Wipe	9/28/12 12:52	9/29/12 12:15	Dan Erdman
9990920021	T5-2-WP-50	Wipe	9/28/12 12:55	9/29/12 12:15	Dan Erdman
9990920022	FL-1-WP-51	Wipe	9/28/12 13:02	9/29/12 12:15	Dan Erdman
9990920023	BH-WP-52	Wipe	9/28/12 13:15	9/29/12 12:15	Dan Erdman
9990920024	BH-WP-53	Wipe	9/28/12 13:28	9/29/12 12:15	Dan Erdman

Workorder Comments:

ALS Environmental

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SAMPLE SUMMARY

Workorder: 9990920 KKS003|50 Dey Street

Discard Date: 11/01/2012

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By

Notes

-- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.
-- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
-- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920001** Date Collected: 9/28/2012 08:20 Matrix: Solid

Sample ID: **BH-CH-30** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	0.033 U	mg/kg		0.033	0.033	SW846 8082A	10/9/12	RMK	10/12/12 07:51	JJH	B1
Aroclor-1016	0.033 U	mg/kg		0.033	0.019	SW846 8082A	10/9/12	RMK	10/12/12 07:51	JJH	B1
Aroclor-1221	0.033 U	mg/kg		0.033	0.024	SW846 8082A	10/9/12	RMK	10/12/12 07:51	JJH	B1
Aroclor-1232	0.033 U	mg/kg		0.033	0.014	SW846 8082A	10/9/12	RMK	10/12/12 07:51	JJH	B1
Aroclor-1242	0.033 U	mg/kg		0.033	0.0060	SW846 8082A	10/9/12	RMK	10/12/12 07:51	JJH	B1
Aroclor-1248	0.033 U	mg/kg		0.033	0.015	SW846 8082A	10/9/12	RMK	10/12/12 07:51	JJH	B1
Aroclor-1254	0.033 U	mg/kg		0.033	0.027	SW846 8082A	10/9/12	RMK	10/12/12 07:51	JJH	B1
Aroclor-1260	0.033 U	mg/kg		0.033	0.018	SW846 8082A	10/9/12	RMK	10/12/12 07:51	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	37.8	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 07:51	JJH	B1
Tetrachloro-m-xylene (S)	45.8	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 07:51	JJH	B1
WET CHEMISTRY											
Moisture	3.5	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	96.5	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

Anna G Milliken
Technical Manager

ALS Environmental
34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920002** Date Collected: 9/28/2012 09:00 Matrix: Solid

Sample ID: **BH-CH-31** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	0.033 U	mg/kg		0.033	0.033	SW846 8082A	10/9/12	RMK	10/12/12 08:09	JJH	B1
Aroclor-1016	0.033 U	mg/kg		0.033	0.019	SW846 8082A	10/9/12	RMK	10/12/12 08:09	JJH	B1
Aroclor-1221	0.033 U	mg/kg		0.033	0.024	SW846 8082A	10/9/12	RMK	10/12/12 08:09	JJH	B1
Aroclor-1232	0.033 U	mg/kg		0.033	0.014	SW846 8082A	10/9/12	RMK	10/12/12 08:09	JJH	B1
Aroclor-1242	0.033 U	mg/kg		0.033	0.0060	SW846 8082A	10/9/12	RMK	10/12/12 08:09	JJH	B1
Aroclor-1248	0.033 U	mg/kg		0.033	0.015	SW846 8082A	10/9/12	RMK	10/12/12 08:09	JJH	B1
Aroclor-1254	0.033 U	mg/kg		0.033	0.027	SW846 8082A	10/9/12	RMK	10/12/12 08:09	JJH	B1
Aroclor-1260	0.033 U	mg/kg		0.033	0.018	SW846 8082A	10/9/12	RMK	10/12/12 08:09	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	33.4	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 08:09	JJH	B1
Tetrachloro-m-xylene (S)	55.8	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 08:09	JJH	B1
WET CHEMISTRY											
Moisture	1.7	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	98.3	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

Anna G Milliken
Technical Manager

ALS Environmental
34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920003** Date Collected: 9/28/2012 09:35 Matrix: Solid

Sample ID: **FL-1-WB-32** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	0.51	mg/kg		0.038	0.038	SW846 8082A	10/9/12	RMK	10/12/12 08:27	JJH	B1
Aroclor-1016	0.038 U	mg/kg		0.038	0.022	SW846 8082A	10/9/12	RMK	10/12/12 08:27	JJH	B1
Aroclor-1221	0.038 U	mg/kg		0.038	0.028	SW846 8082A	10/9/12	RMK	10/12/12 08:27	JJH	B1
Aroclor-1232	0.038 U	mg/kg		0.038	0.016	SW846 8082A	10/9/12	RMK	10/12/12 08:27	JJH	B1
Aroclor-1242	0.038 U	mg/kg		0.038	0.0068	SW846 8082A	10/9/12	RMK	10/12/12 08:27	JJH	B1
Aroclor-1248	0.038 U	mg/kg		0.038	0.017	SW846 8082A	10/9/12	RMK	10/12/12 08:27	JJH	B1
Aroclor-1254	0.038 U	mg/kg		0.038	0.031	SW846 8082A	10/9/12	RMK	10/12/12 08:27	JJH	B1
Aroclor-1260	0.51	mg/kg		0.038	0.021	SW846 8082A	10/9/12	RMK	10/12/12 08:27	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	68.2	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 08:27	JJH	B1
Tetrachloro-m-xylene (S)	41.5	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 08:27	JJH	B1
WET CHEMISTRY											
Moisture	13.2	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	86.8	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920004** Date Collected: 9/28/2012 09:38 Matrix: Solid

Sample ID: **FL-1-WB-33** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	0.50	mg/kg		0.038	0.038	SW846 8082A	10/9/12	RMK	10/12/12 08:45	JJH	B1
Aroclor-1016	0.038 U	mg/kg		0.038	0.022	SW846 8082A	10/9/12	RMK	10/12/12 08:45	JJH	B1
Aroclor-1221	0.038 U	mg/kg		0.038	0.028	SW846 8082A	10/9/12	RMK	10/12/12 08:45	JJH	B1
Aroclor-1232	0.038 U	mg/kg		0.038	0.016	SW846 8082A	10/9/12	RMK	10/12/12 08:45	JJH	B1
Aroclor-1242	0.038 U	mg/kg		0.038	0.0068	SW846 8082A	10/9/12	RMK	10/12/12 08:45	JJH	B1
Aroclor-1248	0.038 U	mg/kg		0.038	0.017	SW846 8082A	10/9/12	RMK	10/12/12 08:45	JJH	B1
Aroclor-1254	0.038 U	mg/kg		0.038	0.031	SW846 8082A	10/9/12	RMK	10/12/12 08:45	JJH	B1
Aroclor-1260	0.50	mg/kg		0.038	0.021	SW846 8082A	10/9/12	RMK	10/12/12 08:45	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	67.1	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 08:45	JJH	B1
Tetrachloro-m-xylene (S)	33.7	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 08:45	JJH	B1
WET CHEMISTRY											
Moisture	13.3	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	86.7	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920005** Date Collected: 9/28/2012 10:00 Matrix: Solid

Sample ID: **T5-2-WB-34** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	12.0	mg/kg		3.5	3.5	SW846 8082A	10/9/12	RMK	10/12/12 13:06	JJH	B1
Aroclor-1016	3.5 U	mg/kg		3.5	2.0	SW846 8082A	10/9/12	RMK	10/12/12 13:06	JJH	B1
Aroclor-1221	3.5 U	mg/kg		3.5	2.5	SW846 8082A	10/9/12	RMK	10/12/12 13:06	JJH	B1
Aroclor-1232	3.5 U	mg/kg		3.5	1.5	SW846 8082A	10/9/12	RMK	10/12/12 13:06	JJH	B1
Aroclor-1242	3.5 U	mg/kg		3.5	0.62	SW846 8082A	10/9/12	RMK	10/12/12 13:06	JJH	B1
Aroclor-1248	3.5 U	mg/kg		3.5	1.6	SW846 8082A	10/9/12	RMK	10/12/12 13:06	JJH	B1
Aroclor-1254	3.5 U	mg/kg		3.5	2.9	SW846 8082A	10/9/12	RMK	10/12/12 13:06	JJH	B1
Aroclor-1260	12.0	mg/kg		3.5	1.9	SW846 8082A	10/9/12	RMK	10/12/12 13:06	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	0	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 13:06	JJH	B1
Tetrachloro-m-xylene (S)	0	%		30-150		SW846 8082A	10/9/12	RMK	10/12/12 13:06	JJH	B1
WET CHEMISTRY											
Moisture	5.7	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	94.3	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly. One or more of the surrogates could not be evaluated as a result of the dilution.

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920006** Date Collected: 9/28/2012 10:08 Matrix: Solid

Sample ID: **T5-2-WB-35** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	0.79	mg/kg		0.033	0.033	SW846 8082A	10/9/12	RMK	10/12/12 09:21	JJH	B1
Aroclor-1016	0.033 U	mg/kg		0.033	0.019	SW846 8082A	10/9/12	RMK	10/12/12 09:21	JJH	B1
Aroclor-1221	0.033 U	mg/kg		0.033	0.024	SW846 8082A	10/9/12	RMK	10/12/12 09:21	JJH	B1
Aroclor-1232	0.033 U	mg/kg		0.033	0.014	SW846 8082A	10/9/12	RMK	10/12/12 09:21	JJH	B1
Aroclor-1242	0.79	mg/kg		0.033	0.0060	SW846 8082A	10/9/12	RMK	10/12/12 09:21	JJH	B1
Aroclor-1248	0.033 U	mg/kg		0.033	0.015	SW846 8082A	10/9/12	RMK	10/12/12 09:21	JJH	B1
Aroclor-1254	0.033 U	mg/kg		0.033	0.027	SW846 8082A	10/9/12	RMK	10/12/12 09:21	JJH	B1
Aroclor-1260	0.033 U	mg/kg		0.033	0.018	SW846 8082A	10/9/12	RMK	10/12/12 09:21	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	6.46	%	2	30-150		SW846 8082A	10/9/12	RMK	10/12/12 09:21	JJH	B1
Tetrachloro-m-xylene (S)	7.93	%	1	30-150		SW846 8082A	10/9/12	RMK	10/12/12 09:21	JJH	B1
WET CHEMISTRY											
Moisture	1.3	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	98.7	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920007** Date Collected: 9/28/2012 10:20 Matrix: Solid

Sample ID: **T4-2-SW-36** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	2.4	mg/kg		1.7	1.7	SW846 8082A	10/11/12	CJG	10/12/12 14:06	JJH	B1
Aroclor-1016	1.7 U	mg/kg		1.7	0.99	SW846 8082A	10/11/12	CJG	10/12/12 14:06	JJH	B1
Aroclor-1221	1.7 U	mg/kg		1.7	1.2	SW846 8082A	10/11/12	CJG	10/12/12 14:06	JJH	B1
Aroclor-1232	1.7 U	mg/kg		1.7	0.73	SW846 8082A	10/11/12	CJG	10/12/12 14:06	JJH	B1
Aroclor-1242	1.7 U	mg/kg		1.7	0.31	SW846 8082A	10/11/12	CJG	10/12/12 14:06	JJH	B1
Aroclor-1248	1.7 U	mg/kg		1.7	0.78	SW846 8082A	10/11/12	CJG	10/12/12 14:06	JJH	B1
Aroclor-1254	2.4	mg/kg		1.7	1.4	SW846 8082A	10/11/12	CJG	10/12/12 14:06	JJH	B1
Aroclor-1260	1.7 U	mg/kg		1.7	0.93	SW846 8082A	10/11/12	CJG	10/12/12 14:06	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	0	%		30-150		SW846 8082A	10/11/12	CJG	10/12/12 14:06	JJH	B1
Tetrachloro-m-xylene (S)	0	%		30-150		SW846 8082A	10/11/12	CJG	10/12/12 14:06	JJH	B1
WET CHEMISTRY											
Moisture	3.6	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	96.4	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly. One or more of the surrogates could not be evaluated as a result of the dilution.

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920008** Date Collected: 9/28/2012 10:25 Matrix: Solid
Sample ID: **T4-2-WB-37** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	1.9	mg/kg		0.058	0.058	SW846 8082A	10/11/12	CJG	10/11/12 23:07	JJH	B1
Aroclor-1016	0.058 U	mg/kg		0.058	0.033	SW846 8082A	10/11/12	CJG	10/11/12 23:07	JJH	B1
Aroclor-1221	0.058 U	mg/kg		0.058	0.042	SW846 8082A	10/11/12	CJG	10/11/12 23:07	JJH	B1
Aroclor-1232	0.058 U	mg/kg		0.058	0.025	SW846 8082A	10/11/12	CJG	10/11/12 23:07	JJH	B1
Aroclor-1242	0.058 U	mg/kg		0.058	0.010	SW846 8082A	10/11/12	CJG	10/11/12 23:07	JJH	B1
Aroclor-1248	0.058 U	mg/kg		0.058	0.026	SW846 8082A	10/11/12	CJG	10/11/12 23:07	JJH	B1
Aroclor-1254	1.3	mg/kg		0.058	0.047	SW846 8082A	10/11/12	CJG	10/11/12 23:07	JJH	B1
Aroclor-1260	0.57	mg/kg		0.058	0.032	SW846 8082A	10/11/12	CJG	10/11/12 23:07	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	138	%		30-150		SW846 8082A	10/11/12	CJG	10/11/12 23:07	JJH	B1
Tetrachloro-m-xylene (S)	30.3	%		30-150		SW846 8082A	10/11/12	CJG	10/11/12 23:07	JJH	B1
WET CHEMISTRY											
Moisture	7.0	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	93.0	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920009** Date Collected: 9/28/2012 10:43 Matrix: Solid

Sample ID: **T4-3-WB-38** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	1.5	mg/kg		0.063	0.063	SW846 8082A	10/11/12	CJG	10/11/12 23:25	JJH	B1
Aroclor-1016	0.063 U	mg/kg		0.063	0.036	SW846 8082A	10/11/12	CJG	10/11/12 23:25	JJH	B1
Aroclor-1221	0.063 U	mg/kg		0.063	0.046	SW846 8082A	10/11/12	CJG	10/11/12 23:25	JJH	B1
Aroclor-1232	0.063 U	mg/kg		0.063	0.027	SW846 8082A	10/11/12	CJG	10/11/12 23:25	JJH	B1
Aroclor-1242	0.063 U	mg/kg		0.063	0.011	SW846 8082A	10/11/12	CJG	10/11/12 23:25	JJH	B1
Aroclor-1248	0.063 U	mg/kg		0.063	0.029	SW846 8082A	10/11/12	CJG	10/11/12 23:25	JJH	B1
Aroclor-1254	0.92	mg/kg		0.063	0.052	SW846 8082A	10/11/12	CJG	10/11/12 23:25	JJH	B1
Aroclor-1260	0.56	mg/kg		0.063	0.034	SW846 8082A	10/11/12	CJG	10/11/12 23:25	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	144	%		30-150		SW846 8082A	10/11/12	CJG	10/11/12 23:25	JJH	B1
Tetrachloro-m-xylene (S)	31.7	%		30-150		SW846 8082A	10/11/12	CJG	10/11/12 23:25	JJH	B1
WET CHEMISTRY											
Moisture	6.0	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	94.0	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920010** Date Collected: 9/28/2012 11:00 Matrix: Solid

Sample ID: **T5-3-CH-39** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	0.27	mg/kg		0.033	0.033	SW846 8082A	10/11/12	CJG	10/11/12 23:43	JJH	B1
Aroclor-1016	0.033 U	mg/kg		0.033	0.019	SW846 8082A	10/11/12	CJG	10/11/12 23:43	JJH	B1
Aroclor-1221	0.033 U	mg/kg		0.033	0.024	SW846 8082A	10/11/12	CJG	10/11/12 23:43	JJH	B1
Aroclor-1232	0.033 U	mg/kg		0.033	0.014	SW846 8082A	10/11/12	CJG	10/11/12 23:43	JJH	B1
Aroclor-1242	0.033 U	mg/kg		0.033	0.0059	SW846 8082A	10/11/12	CJG	10/11/12 23:43	JJH	B1
Aroclor-1248	0.033 U	mg/kg		0.033	0.015	SW846 8082A	10/11/12	CJG	10/11/12 23:43	JJH	B1
Aroclor-1254	0.15	mg/kg		0.033	0.027	SW846 8082A	10/11/12	CJG	10/11/12 23:43	JJH	B1
Aroclor-1260	0.12	mg/kg		0.033	0.018	SW846 8082A	10/11/12	CJG	10/11/12 23:43	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	23.7	%		30-150		SW846 8082A	10/11/12	CJG	10/11/12 23:43	JJH	B1
Tetrachloro-m-xylene (S)	37.1	%		30-150		SW846 8082A	10/11/12	CJG	10/11/12 23:43	JJH	B1
WET CHEMISTRY											
Moisture	0.7	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	99.3	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920011** Date Collected: 9/28/2012 11:35 Matrix: Solid

Sample ID: **FL-1-CH-40** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	0.90	mg/kg		0.033	0.033	SW846 8082A	10/11/12	CJG	10/12/12 00:01	JJH	B1
Aroclor-1016	0.033 U	mg/kg		0.033	0.019	SW846 8082A	10/11/12	CJG	10/12/12 00:01	JJH	B1
Aroclor-1221	0.033 U	mg/kg		0.033	0.024	SW846 8082A	10/11/12	CJG	10/12/12 00:01	JJH	B1
Aroclor-1232	0.033 U	mg/kg		0.033	0.014	SW846 8082A	10/11/12	CJG	10/12/12 00:01	JJH	B1
Aroclor-1242	0.033 U	mg/kg		0.033	0.0059	SW846 8082A	10/11/12	CJG	10/12/12 00:01	JJH	B1
Aroclor-1248	0.033 U	mg/kg		0.033	0.015	SW846 8082A	10/11/12	CJG	10/12/12 00:01	JJH	B1
Aroclor-1254	0.20	mg/kg		0.033	0.027	SW846 8082A	10/11/12	CJG	10/12/12 00:01	JJH	B1
Aroclor-1260	0.71	mg/kg		0.033	0.018	SW846 8082A	10/11/12	CJG	10/12/12 00:01	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	47.2	%		30-150		SW846 8082A	10/11/12	CJG	10/12/12 00:01	JJH	B1
Tetrachloro-m-xylene (S)	39.6	%		30-150		SW846 8082A	10/11/12	CJG	10/12/12 00:01	JJH	B1
WET CHEMISTRY											
Moisture	1.8	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	98.2	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920012** Date Collected: 9/28/2012 11:58 Matrix: Solid

Sample ID: **FL-1-WB-41** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	3.7	mg/kg		0.058	0.058	SW846 8082A	10/11/12	CJG	10/12/12 00:19	JJH	B1
Aroclor-1016	0.058 U	mg/kg		0.058	0.034	SW846 8082A	10/11/12	CJG	10/12/12 00:19	JJH	B1
Aroclor-1221	0.058 U	mg/kg		0.058	0.042	SW846 8082A	10/11/12	CJG	10/12/12 00:19	JJH	B1
Aroclor-1232	0.058 U	mg/kg		0.058	0.025	SW846 8082A	10/11/12	CJG	10/12/12 00:19	JJH	B1
Aroclor-1242	0.058 U	mg/kg		0.058	0.010	SW846 8082A	10/11/12	CJG	10/12/12 00:19	JJH	B1
Aroclor-1248	0.058 U	mg/kg		0.058	0.027	SW846 8082A	10/11/12	CJG	10/12/12 00:19	JJH	B1
Aroclor-1254	2.0	mg/kg		0.058	0.048	SW846 8082A	10/11/12	CJG	10/12/12 00:19	JJH	B1
Aroclor-1260	1.7	mg/kg		0.058	0.032	SW846 8082A	10/11/12	CJG	10/12/12 00:19	JJH	B1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	66.3	%		30-150		SW846 8082A	10/11/12	CJG	10/12/12 00:19	JJH	B1
Tetrachloro-m-xylene (S)	37.4	%		30-150		SW846 8082A	10/11/12	CJG	10/12/12 00:19	JJH	B1
WET CHEMISTRY											
Moisture	8.3	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A
Total Solids	91.7	%		0.1	0.01	SM20-2540 G			10/8/12 11:45	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920013** Date Collected: 9/28/2012 12:00 Matrix: Wipe

Sample ID: **FL-1-WP-42** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 14:35	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 14:35	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 14:35	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 14:35	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 14:35	JJH	A1
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 14:35	JJH	A1
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 14:35	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	71.6	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 14:35	JJH	A1
Tetrachloro-m-xylene (S)	56.1	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 14:35	JJH	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920014** Date Collected: 9/28/2012 12:05 Matrix: Wipe

Sample ID: **FL-1-WP-43** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 14:50	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 14:50	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 14:50	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 14:50	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 14:50	JJH	A1
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 14:50	JJH	A1
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 14:50	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	66.5	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 14:50	JJH	A1
Tetrachloro-m-xylene (S)	55.6	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 14:50	JJH	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920015** Date Collected: 9/28/2012 12:10 Matrix: Wipe

Sample ID: **FL-1-WP-44** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 15:08	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 15:08	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 15:08	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 15:08	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 15:08	JJH	A1
Aroclor-1254	1.4	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 15:08	JJH	A1
Aroclor-1260	1.7	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 15:08	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	56.7	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 15:08	JJH	A1
Tetrachloro-m-xylene (S)	55.5	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 15:08	JJH	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920016** Date Collected: 9/28/2012 12:22 Matrix: Wipe

Sample ID: **T4-7-WP-45** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 15:26	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 15:26	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 15:26	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 15:26	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 15:26	JJH	A1
Aroclor-1254	21.2	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 15:26	JJH	A1
Aroclor-1260	10.9	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 15:26	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	57.9	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 15:26	JJH	A1
Tetrachloro-m-xylene (S)	57.3	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 15:26	JJH	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920017** Date Collected: 9/28/2012 12:32 Matrix: Wipe

Sample ID: **T4-6-WP-46** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 15:58	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 15:58	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 15:58	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 15:58	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 15:58	JJH	A1
Aroclor-1254	1.2	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 15:58	JJH	A1
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 15:58	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	64.8	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 15:58	JJH	A1
Tetrachloro-m-xylene (S)	59.4	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 15:58	JJH	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920018** Date Collected: 9/28/2012 12:35 Matrix: Wipe

Sample ID: **T5-5-WP-47** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 16:15	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 16:15	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 16:15	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 16:15	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 16:15	JJH	A1
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 16:15	JJH	A1
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 16:15	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	63.9	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 16:15	JJH	A1
Tetrachloro-m-xylene (S)	56.6	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 16:15	JJH	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920019** Date Collected: 9/28/2012 12:45 Matrix: Wipe

Sample ID: **T4-4-WP-48** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 17:05	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 17:05	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 17:05	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 17:05	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 17:05	JJH	A1
Aroclor-1254	1.9	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 17:05	JJH	A1
Aroclor-1260	1.5	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 17:05	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	62.2	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 17:05	JJH	A1
Tetrachloro-m-xylene (S)	63.8	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 17:05	JJH	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920020** Date Collected: 9/28/2012 12:52 Matrix: Wipe

Sample ID: **T5-3-WP-49** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 17:24	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 17:24	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 17:24	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 17:24	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 17:24	JJH	A1
Aroclor-1254	3.5	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 17:24	JJH	A1
Aroclor-1260	4.8	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 17:24	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	58.4	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 17:24	JJH	A1
Tetrachloro-m-xylene (S)	63.4	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 17:24	JJH	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920021** Date Collected: 9/28/2012 12:55 Matrix: Wipe

Sample ID: **T5-2-WP-50** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 13:59	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 13:59	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 13:59	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 13:59	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 13:59	JJH	A1
Aroclor-1254	1.8	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 13:59	JJH	A1
Aroclor-1260	1.5	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 13:59	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	60	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 13:59	JJH	A1
Tetrachloro-m-xylene (S)	57.7	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 13:59	JJH	A1

Sample Comments:

Anna G Milliken
Technical Manager

ALS Environmental
34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920022** Date Collected: 9/28/2012 13:02 Matrix: Wipe

Sample ID: **FL-1-WP-51** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 14:17	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 14:17	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 14:17	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 14:17	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 14:17	JJH	A1
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 14:17	JJH	A1
Aroclor-1260	1.2	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 14:17	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	60.9	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 14:17	JJH	A1
Tetrachloro-m-xylene (S)	60	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 14:17	JJH	A1

Sample Comments:

Anna G Milliken
Technical Manager

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920023** Date Collected: 9/28/2012 13:15 Matrix: Wipe

Sample ID: **BH-WP-52** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 12:28	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 12:28	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 12:28	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 12:28	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 12:28	JJH	A1
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 12:28	JJH	A1
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 12:28	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	52.4	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 12:28	JJH	A1
Tetrachloro-m-xylene (S)	53	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 12:28	JJH	A1

Sample Comments:

Anna G Milliken
Technical Manager

ALS Environmental
34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

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State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS

Workorder: 9990920 KKS003|50 Dey Street

Lab ID: **9990920024** Date Collected: 9/28/2012 13:28 Matrix: Wipe

Sample ID: **BH-WP-53** Date Received: 9/29/2012 12:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 12:47	JJH	A1
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 12:47	JJH	A1
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 12:47	JJH	A1
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 12:47	JJH	A1
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 12:47	JJH	A1
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 12:47	JJH	A1
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	10/15/12	KCF	10/17/12 12:47	JJH	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	54.9	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 12:47	JJH	A1
Tetrachloro-m-xylene (S)	53.4	%		70-130		SW846 8082A	10/15/12	KCF	10/17/12 12:47	JJH	A1

Sample Comments:

Anna G Milliken
Technical Manager

ALS Environmental

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 9990920 KKS003|50 Dey Street

PARAMETER QUALIFIERS\FLAGS

[1] The surrogate Tetrachloro-m-xylene for method SW846 8082A was outside of control limits. The % Recovery was reported as 7.93 and the control limits were 30 to 150. This result was reported at a dilution of 1.

[2] The surrogate Decachlorobiphenyl for method SW846 8082A was outside of control limits. The % Recovery was reported as 6.46 and the control limits were 30 to 150. This result was reported at a dilution of 1.

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State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/ SAMPLER. INSTRUCTIONS ON THE BACK

ALS Environmental
Ship to: 34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax: 717.944.1430

Page 1 of 3
Courier:
Tracking #:
9990920

Co. Name: KEYSTONE RESEARCH GROUP, INC.
Contact (Report to): DAN ERDMAN Phone: 610-407-4002
Address: 590 E. LANCASTER AVE SUITE 200 FRAZER, PA 19355

Bill to (if different than Report to): PO#:

Project Name/#: 50 DEY STREET ALS Quote #:

TAT: [X] Normal-Standard TAT is 10 business days. [ ] Rush-Subject to ALS approval and surcharges. Date Required: Approved By:

Email? Y
Fax? Y No:

***Container Type
***Container Size
***Preservative

ANALYSES/METHOD REQUESTED: PCBs

Enter Number of Containers Per Analysis

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	PCBs
1	BH-CH-30		9/28/12	0820			X
2	BH-CH-31			0900			X
3	FR-1-WB-32			0935			X
4	FR-1-WB-33			0938			X
5	TS-2-WB-34			1000			X
6	TS-2-CH-35			1008			X
7	T4-2-SW-36			1020			X
8	T4-2-WB-37			1025			X

Receipt Information (Acceptance by Sampler/Courier)
Performed by: [illegible]
Cooler Temp:
Therm. ID: TR1
No. of Cooler:
Notes:

	Y	N
Correct containers?	Y	N
Correct sample volume?	Y	N
Correct preservation?	Y	N
Headspace/Volatiles?	Y	N
Circle appropriate Y or N		
Custody seals Present?	Y	N
(if present) Seals intact?	Y	N
Received on Ice?	Y	N
COC/Labels complete/accurate?	Y	N
Container in good condition?	Y	N

SAMPLED BY (Please Print):
LOGGED BY (signature): Date 9/30/12 Time 08:26
REVIEWED BY (signature): Date 10/1/12 Time 1112

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [illegible]	28 Sept 12	1635	2 [illegible]	9/28/12	16:40
3 [illegible]	29 Sept 12	0805	4 [illegible]	9/29	805
5 UM	9/29	1215	6 [illegible]	9/29/12	1215
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] other
EDDs Required? [ ] If yes, format type:
DOD Criteria Required?
SDWA Forms? yes yes yes yes
State Samples Collected In? MD NJ NY PA Other

ALS FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite
**Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass. PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Rev 6/2011

ALS Environmental
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NELAP Certifications: NJ PA010, NY 11759, PA 22-293 DoD ELAP: AZLA 0818.01
State Certifications: CT PH-0224, DE ID 11, GA 914, MA PA0102, MD 128, LA 04162, VA 421, WY EPA Region 8, WV 343

ALS Environmental
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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/ SAMPLER. INSTRUCTIONS ON THE BACK

Courier:
Tracking #: 9990920

Co. Name: KEYSTONE RESOURCES GROUP, INC.
Contact (Report to):
Phone:
Address:

Bill to (if different than Report to):
PO#:

Project Name/#: 50 DEY STREET
ALS Quote #:

TAT: [X] Normal-Standard TAT is 10 business days. [ ] Rush-Subject to ALS approval and surcharges.
Date Required:
Approved By:

Email? -Y
Fax? -Y No.:

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	PCBs
1	TH-3-WB-38		9/28/12	1043			X
2	TS-3-CH-39			1100			X
3	FZ-1-CH-40			1135			X
4	FZ-1-WB-41			1158			X
5	FZ-1-WP-42			1200		WP	X
6	FZ-1-WP-43			1205		WP	X
7	FZ-1-WP-44			1210		WP	X
8	TH-7-WP-45			1222		WP	X

Enter Number of Containers Per Analysis

***Container Type
**Container Size
Preservative

ANALYSES/METHOD REQUESTED

Receipt Information (completed by Sample Receipt)
Performed by:
Cooler Temp:
Therm. ID: D21
No. of Coolers:
Notes:

	Y	N
Correct containers?	Y	N
Correct sample volume?	Y	N
Correct preservation?	Y	N
HeadspaceVolatiles?	Y	N
Circle appropriate Y or N		
Custody seals Present?	Y	N
(if present) Seals intact?	Y	N
Received on Ice?	Y	N
COC/Labels complete/accurate?	Y	N
Container in good condition?	Y	N

SAMPLED BY (Please Print):
LOGGED BY (signature): DATE 9/30/12 TIME 1112
REVIEWED BY (signature): DATE 10/03/12 TIME 1112

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1		28 Sept 2012	1635	2		9/28/12	16 45
3		29 Sept 12	800	4		9/29	800
5		9/29	1215	6		9/29/12	1215
7				8			
9				10			

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] new [ ] If yes, format type:
EDDs Required?
DOD Criteria Required?
SDWA Forms? yes
State Samples Collected In? MD NJ NY PA
Other

ALS FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite
**Matrix: Air=Air; DW=Drinking Water; GW=Groundwater; Oil=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/ SAMPLER. INSTRUCTIONS ON THE BACK.

ALS Environmental
Ship to: 34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax: 717.944.1430

Page 3 of 3
Courier:
Tracking #: SIP 9990920

Co. Name: KEYSTONE RESEARCH GROUP, INC.
Contact (Report to): Phone:
Address:

Bill to (if different than Report to): PO#:

Project Name/#: 50 DEY STREET ALS Quote #:

TAT: ☐ Normal-Standard TAT is 10 business days. ☐ Rush-Subject to ALS approval and surcharges. Date Required: Approved By:

Email? ☐ -Y
Fax? ☐ -Y No.:

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	***Container Type	***Container Size	*** Preservative	ANALYSES/METHOD REQUESTED	Enter Number of Containers Per Analysis
1 T4-6-WP-46	NOTE: ALL	↑	1232		WP				PCBs	
2 TS-5-WP-47	WIPE SAMPLES		1235		WP					
3 T4-4-WP-48	27TH & 28TH		1245		WP					
4 TS-3-WP-49	SITE USED		1252		WP					
5 TS-2-WP-50	300 cm²		1255		WP					
6 F2-1-WP-51	TEMPLATES		1309		WP					
7 BH-WP-52			1315		WP					
8 BH-WP-53		↓	1325		WP					

Receipt Information (completed by Sample Receipt)
Performed by: JM
Cooler Temp: 1
Therm. ID: DR11
No. of Coolers:
Notes:

	1	2	3	4	
Correct containers?	Y	Y	Y	Y	Circle appropriate Y or N.
Correct sample volume?	Y	Y	Y	Y	
Correct preservation?	N	N	N	N	
Headspace/Volatiles?	N	N	N	N	
Custody seals Present? (if present) Seals intact?	N	N	N	N	
Received on ice?	N	N	N	N	
COC/Labels complete/accurate?	Y	Y	Y	Y	
Container in good condition?	Y	Y	Y	Y	

SAMPLED BY (Please Print):
LOGGED BY (signature): 9/25/2012
REVIEWED BY (signature): SSchar 3rd 10/2/12 1st 10/12

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature]	28 Sept	1635	2 [signature]	9/28/12	1640
3 [signature]	9/29	0805	4 [signature]	9/29	805
5 VM	9/29	1215	6 [signature]	9/29/12	1215
7			8		
9			10		

Data Deliverables: ☐ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ other
EDDs Required? ☐ If yes, format type:
SDWA Forms?: yes ☐ yes ☐ yes ☐ yes ☐ Other
State Samples Collected In?: MD ☐ NJ ☐ NY ☐ PA ☐
DOD Criteria Required?

ALS FIELD SERVICES: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

* G=Grab; C=Composite
**Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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ALSI BOTTLE REQUEST FORM

Order ID:	120926059	Date Due:	09/26/12	Completed:	
		Time Due:	15:00		

Date Ordered:	09/26/12	Company Name:	Keystone E-Sciences Group Inc.
Time Ordered:	12:31	Requested By:	Dan Erdman
Order Taken By:	Sue Scherer	Project Name/No.:	NJ PCB Site

Method of Delivery:	Deliver to Spring City; HOLD for Mike Yo	Additional Supplies:	Labels Chain of Custodies - 2 Coolers Wipes - 12
Address:	590 E. Lancaster Ave. Suite 200 Malvern, PA 19355		
Attn:	Dan Erdman		
Phone:			

# of Bot.	# in Set	Size	Type	Preservation	Analyses
12	1	8 oz	C - Clear Glass	Hexane	PCB Wipes

Special Notes:	This order should be delivered to the Spring City office with the courier on 09/26/12. Place a note on the order to HOLD FOR MIKE YOUNG. Mike is making arrangments to get the bottles to the client for sampling this week.	Sample Point ID's	

ID	Tracking Number	ID	Tracking Number	ID	Tracking Number

APPENDIX B

ALS Environmental

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November 20, 2012

Mr. Dan Erdman
Keystone E-Sciences Group, Inc.
590 East Lancaster Ave.
Suite 200
Malvern, PA 19355

Certificate of Analysis

Project Name:	**2012-MJY JERSEY CITY SITE**	Workorder:	**9997991**
Purchase Order:		Workorder ID:	**KKS004|50 Dey Street**

Dear Mr. Erdman,

Enclosed are the analytical results for samples received by the laboratory on Tuesday, November 13, 2012.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Susan Scherer (Project Coordinator) or Anna G Milliken (Technical Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALS' NELAP accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

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This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Technical Manager

ALS Environmental

34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

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State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

SAMPLE SUMMARY

Workorder: 9997991 KKS004|50 Dey Street

Discard Date: 12/04/2012

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9997991001	T4-7-WB-54	Solid	11/12/12 09:50	11/13/12 21:30	Customer
9997991002	T5-7-WB-55	Solid	11/12/12 09:55	11/13/12 21:30	Customer
9997991003	T5-7-WB-56	Solid	11/12/12 10:05	11/13/12 21:30	Customer
9997991004	T5-7-WP-57	Wipe	11/12/12 10:10	11/13/12 21:30	Customer
9997991005	T4-7-WP-58	Wipe	11/12/12 10:12	11/13/12 21:30	Customer
9997991006	T5-7-WP-59	Wipe	11/12/12 10:15	11/13/12 21:30	Customer
9997991007	T5-6-WB-60	Solid	11/12/12 10:30	11/13/12 21:30	Customer
9997991008	T5-6-WB-61	Solid	11/12/12 10:35	11/13/12 21:30	Customer
9997991009	T4-6-WB-62	Solid	11/12/12 10:45	11/13/12 21:30	Customer
9997991010	T4-6-WP-63	Wipe	11/12/12 10:30	11/13/12 21:30	Customer
9997991011	T5-4-WB-64	Solid	11/12/12 11:15	11/13/12 21:30	Customer
9997991012	T5-4-WP-65	Wipe	11/12/12 11:25	11/13/12 21:30	Customer
9997991013	T4-4-WB-66	Solid	11/12/12 11:35	11/13/12 21:30	Customer
9997991014	T4-3-WB-67	Solid	11/12/12 11:45	11/13/12 21:30	Customer
9997991015	T4-3-WP-68	Wipe	11/12/12 11:55	11/13/12 21:30	Customer
9997991016	T4-3-WB-69	Solid	11/12/12 12:00	11/13/12 21:30	Customer
9997991017	T4-3-WP-70	Wipe	11/12/12 12:15	11/13/12 21:30	Customer
9997991018	T4-3-WB-71	Solid	11/12/12 12:25	11/13/12 21:30	Customer
9997991019	T4-3-WP-72	Wipe	11/12/12 12:35	11/13/12 21:30	Customer
9997991020	T4-3-WB-73	Solid	11/12/12 12:40	11/13/12 21:30	Customer
9997991021	T4-4-WB-74	Solid	11/12/12 12:45	11/13/12 21:30	Customer
9997991022	T4-4-WP-75	Wipe	11/12/12 12:50	11/13/12 21:30	Customer
9997991023	T5-5-WB-76	Solid	11/12/12 13:15	11/13/12 21:30	Customer
9997991024	T5-5-WP-77	Wipe	11/12/12 13:25	11/13/12 21:30	Customer
9997991025	T5-5-WB-78	Solid	11/12/12 13:35	11/13/12 21:30	Customer
9997991026	T5-5-WP-79	Wipe	11/12/12 13:50	11/13/12 21:30	Customer
9997991027	T5-5-WB-80	Solid	11/12/12 14:00	11/13/12 21:30	Customer
9997991028	T5-5-WP-81	Wipe	11/12/12 14:10	11/13/12 21:30	Customer
9997991029	T4-6-WB-82	Solid	11/12/12 14:20	11/13/12 21:30	Customer
9997991030	T4-4-WB-83	Solid	11/12/12 14:30	11/13/12 21:30	Customer
9997991031	T4-4-WP-84	Wipe	11/12/12 14:35	11/13/12 21:30	Customer
9997991032	T5-3-WB-85	Solid	11/12/12 14:50	11/13/12 21:30	Customer
9997991033	T5-3-WP-86	Wipe	11/12/12 15:00	11/13/12 21:30	Customer
9997991034	T5-3-WB-87	Other	11/12/12 15:10	11/13/12 21:30	Customer

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SAMPLE SUMMARY

Workorder: 9997991 KKS004|50 Dey Street

Discard Date: 12/04/2012

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9997991035	T5-3-WP-88	Wipe	11/12/12 15:20	11/13/12 21:30	Customer
9997991036	T5-3-WB-89	Solid	11/12/12 15:30	11/13/12 21:30	Customer
9997991037	T5-3-WP-90	Wipe	11/12/12 15:40	11/13/12 21:30	Customer
9997991038	T4-2-WB-91	Solid	11/12/12 15:50	11/13/12 21:30	Customer
9997991039	T4-2-WP-92	Wipe	11/12/12 16:00	11/13/12 21:30	Customer
9997991040	T4-2-WB-93	Solid	11/12/12 16:10	11/13/12 21:30	Customer
9997991041	T4-2-WP-94	Wipe	11/12/12 16:15	11/13/12 21:30	Customer
9997991042	FL-1-WB-95	Solid	11/12/12 16:25	11/13/12 21:30	Customer
9997991043	FL-1-WP-96	Wipe	11/12/12 16:30	11/13/12 21:30	Customer
9997991044	FL-1-WB-97	Solid	11/12/12 16:35	11/13/12 21:30	Customer
9997991045	FL-1-WP-98	Wipe	11/12/12 16:40	11/13/12 21:30	Customer
9997991046	FL-1-WP-99	Wipe	11/12/12 16:45	11/13/12 21:30	Customer
9997991047	FL-1-WB-100	Solid	11/12/12 16:55	11/13/12 21:30	Customer
9997991048	T4-7-WP-101	Wipe	11/12/12 17:05	11/13/12 21:30	Customer
9997991049	T4-6-WP-102	Wipe	11/12/12 17:15	11/13/12 21:30	Customer
9997991050	T4-6-WP-103	Wipe	11/12/12 17:20	11/13/12 21:30	Customer

Workorder Comments:

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SAMPLE SUMMARY

Discard Date: 12/04/2012

Workorder: 9997991 KKS004|50 Dey Street

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By

Notes

- -- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- -- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- -- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- -- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- -- The Chain of Custody document is included as part of this report.
- -- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- -- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991001** Date Collected: 11/12/2012 09:50 Matrix: Solid

Sample ID: **T4-7-WB-54** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	44.1	mg/kg		2.1	2.1	SW846 8082A	11/16/12	CJG	11/19/12 19:22	EGO	A1
Aroclor-1016	2.1 U	mg/kg		2.1	0.38	SW846 8082A	11/16/12	CJG	11/19/12 19:22	EGO	A1
Aroclor-1221	2.1 U	mg/kg		2.1	0.77	SW846 8082A	11/16/12	CJG	11/19/12 19:22	EGO	A1
Aroclor-1232	2.1 U	mg/kg		2.1	0.70	SW846 8082A	11/16/12	CJG	11/19/12 19:22	EGO	A1
Aroclor-1242	2.1 U	mg/kg		2.1	0.18	SW846 8082A	11/16/12	CJG	11/19/12 19:22	EGO	A1
Aroclor-1248	2.1 U	mg/kg		2.1	1.5	SW846 8082A	11/16/12	CJG	11/19/12 19:22	EGO	A1
Aroclor-1254	44.1	mg/kg		2.1	0.89	SW846 8082A	11/16/12	CJG	11/19/12 19:22	EGO	A1
Aroclor-1260	2.1 U	mg/kg		2.1	0.34	SW846 8082A	11/16/12	CJG	11/19/12 19:22	EGO	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	65.1	%		46-120		SW846 8082A	11/16/12	CJG	11/19/12 19:22	EGO	A1
Tetrachloro-m-xylene (S)	53.9	%		52-115		SW846 8082A	11/16/12	CJG	11/19/12 19:22	EGO	A1
WET CHEMISTRY											
Moisture	7.7	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	92.3	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly. One or more of the surrogates could not be evaluated as a result of the dilution.

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991002** Date Collected: 11/12/2012 09:55 Matrix: Solid

Sample ID: **T5-7-WB-55** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	24.7	mg/kg		1.0	1.0	SW846 8082A	11/16/12	CJG	11/19/12 19:40	EGO	A1
Aroclor-1016	1.0 U	mg/kg		1.0	0.18	SW846 8082A	11/16/12	CJG	11/19/12 19:40	EGO	A1
Aroclor-1221	1.0 U	mg/kg		1.0	0.37	SW846 8082A	11/16/12	CJG	11/19/12 19:40	EGO	A1
Aroclor-1232	1.0 U	mg/kg		1.0	0.34	SW846 8082A	11/16/12	CJG	11/19/12 19:40	EGO	A1
Aroclor-1242	1.0 U	mg/kg		1.0	0.090	SW846 8082A	11/16/12	CJG	11/19/12 19:40	EGO	A1
Aroclor-1248	1.0 U	mg/kg		1.0	0.75	SW846 8082A	11/16/12	CJG	11/19/12 19:40	EGO	A1
Aroclor-1254	24.7	mg/kg		1.0	0.44	SW846 8082A	11/16/12	CJG	11/19/12 19:40	EGO	A1
Aroclor-1260	1.0 U	mg/kg		1.0	0.16	SW846 8082A	11/16/12	CJG	11/19/12 19:40	EGO	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	73.8	%		46-120		SW846 8082A	11/16/12	CJG	11/19/12 19:40	EGO	A1
Tetrachloro-m-xylene (S)	56.3	%		52-115		SW846 8082A	11/16/12	CJG	11/19/12 19:40	EGO	A1
WET CHEMISTRY											
Moisture	7.3	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	92.7	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly.

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991003** Date Collected: 11/12/2012 10:05 Matrix: Solid

Sample ID: **T5-7-WB-56** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	25.5	mg/kg		2.1	2.1	SW846 8082A	11/16/12	CJG	11/19/12 19:59	EGO	A1
Aroclor-1016	2.1 U	mg/kg		2.1	0.37	SW846 8082A	11/16/12	CJG	11/19/12 19:59	EGO	A1
Aroclor-1221	2.1 U	mg/kg		2.1	0.75	SW846 8082A	11/16/12	CJG	11/19/12 19:59	EGO	A1
Aroclor-1232	2.1 U	mg/kg		2.1	0.69	SW846 8082A	11/16/12	CJG	11/19/12 19:59	EGO	A1
Aroclor-1242	2.1 U	mg/kg		2.1	0.18	SW846 8082A	11/16/12	CJG	11/19/12 19:59	EGO	A1
Aroclor-1248	2.1 U	mg/kg		2.1	1.5	SW846 8082A	11/16/12	CJG	11/19/12 19:59	EGO	A1
Aroclor-1254	25.5	mg/kg		2.1	0.87	SW846 8082A	11/16/12	CJG	11/19/12 19:59	EGO	A1
Aroclor-1260	2.1 U	mg/kg		2.1	0.33	SW846 8082A	11/16/12	CJG	11/19/12 19:59	EGO	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	116	%		46-120		SW846 8082A	11/16/12	CJG	11/19/12 19:59	EGO	A1
Tetrachloro-m-xylene (S)	55.3	%		52-115		SW846 8082A	11/16/12	CJG	11/19/12 19:59	EGO	A1
WET CHEMISTRY											
Moisture	5.7	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	94.3	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly. One or more of the surrogates could not be evaluated as a result of the dilution.

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991004** Date Collected: 11/12/2012 10:10 Matrix: Wipe

Sample ID: **T5-7-WP-57** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:00	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:00	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:00	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:00	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:00	EGO	A
Aroclor-1254	19.4	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:00	EGO	A
Aroclor-1260	9.4	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:00	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	107	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 20:00	EGO	A
Tetrachloro-m-xylene (S)	65.2	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 20:00	EGO	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991005** Date Collected: 11/12/2012 10:12 Matrix: Wipe

Sample ID: **T4-7-WP-58** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:17	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:17	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:17	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:17	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:17	EGO	A
Aroclor-1254	4.8	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:17	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:17	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	96.1	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 20:17	EGO	A
Tetrachloro-m-xylene (S)	64.2	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 20:17	EGO	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991006** Date Collected: 11/12/2012 10:15 Matrix: Wipe

Sample ID: **T5-7-WP-59** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:35	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:35	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:35	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:35	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:35	EGO	A
Aroclor-1254	4.6	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:35	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:35	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	102	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 20:35	EGO	A
Tetrachloro-m-xylene (S)	66.5	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 20:35	EGO	A

Sample Comments:

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State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991007** Date Collected: 11/12/2012 10:30 Matrix: Solid

Sample ID: **T5-6-WB-60** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	8.0	mg/kg		1.0	1.0	SW846 8082A	11/16/12	CJG	11/19/12 20:17	EGO	A1
Aroclor-1016	1.0 U	mg/kg		1.0	0.19	SW846 8082A	11/16/12	CJG	11/19/12 20:17	EGO	A1
Aroclor-1221	1.0 U	mg/kg		1.0	0.38	SW846 8082A	11/16/12	CJG	11/19/12 20:17	EGO	A1
Aroclor-1232	1.0 U	mg/kg		1.0	0.35	SW846 8082A	11/16/12	CJG	11/19/12 20:17	EGO	A1
Aroclor-1242	1.0 U	mg/kg		1.0	0.092	SW846 8082A	11/16/12	CJG	11/19/12 20:17	EGO	A1
Aroclor-1248	1.0 U	mg/kg		1.0	0.76	SW846 8082A	11/16/12	CJG	11/19/12 20:17	EGO	A1
Aroclor-1254	8.0	mg/kg		1.0	0.44	SW846 8082A	11/16/12	CJG	11/19/12 20:17	EGO	A1
Aroclor-1260	1.0 U	mg/kg		1.0	0.17	SW846 8082A	11/16/12	CJG	11/19/12 20:17	EGO	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	412	%	1	46-120		SW846 8082A	11/16/12	CJG	11/19/12 20:17	EGO	A1
Tetrachloro-m-xylene (S)	88.7	%		52-115		SW846 8082A	11/16/12	CJG	11/19/12 20:17	EGO	A1
WET CHEMISTRY											
Moisture	8.6	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	91.4	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly.

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991008** Date Collected: 11/12/2012 10:35 Matrix: Solid

Sample ID: **T5-6-WB-61** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	222	mg/kg		49.3	49.3	SW846 8082A	11/16/12	CJG	11/19/12 20:35	EGO	A1
Aroclor-1016	49.3 U	mg/kg		49.3	8.8	SW846 8082A	11/16/12	CJG	11/19/12 20:35	EGO	A1
Aroclor-1221	49.3 U	mg/kg		49.3	17.9	SW846 8082A	11/16/12	CJG	11/19/12 20:35	EGO	A1
Aroclor-1232	49.3 U	mg/kg		49.3	16.4	SW846 8082A	11/16/12	CJG	11/19/12 20:35	EGO	A1
Aroclor-1242	49.3 U	mg/kg		49.3	4.3	SW846 8082A	11/16/12	CJG	11/19/12 20:35	EGO	A1
Aroclor-1248	49.3 U	mg/kg		49.3	35.9	SW846 8082A	11/16/12	CJG	11/19/12 20:35	EGO	A1
Aroclor-1254	98.3	mg/kg		49.3	20.9	SW846 8082A	11/16/12	CJG	11/19/12 20:35	EGO	A1
Aroclor-1260	123	mg/kg		49.3	7.9	SW846 8082A	11/16/12	CJG	11/19/12 20:35	EGO	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	0	%	3	46-120		SW846 8082A	11/16/12	CJG	11/19/12 20:35	EGO	A1
Tetrachloro-m-xylene (S)	0	%	2	52-115		SW846 8082A	11/16/12	CJG	11/19/12 20:35	EGO	A1
WET CHEMISTRY											
Moisture	7.0	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	93.0	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly. One or more of the surrogates could not be evaluated as a result of the dilution.

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991009** Date Collected: 11/12/2012 10:45 Matrix: Solid

Sample ID: **T4-6-WB-62** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	54.3 U	mg/kg		54.3	54.3	SW846 8082A	11/16/12	CJG	11/19/12 20:53	EGO	A1
Aroclor-1016	54.3 U	mg/kg		54.3	9.7	SW846 8082A	11/16/12	CJG	11/19/12 20:53	EGO	A1
Aroclor-1221	54.3 U	mg/kg		54.3	19.8	SW846 8082A	11/16/12	CJG	11/19/12 20:53	EGO	A1
Aroclor-1232	54.3 U	mg/kg		54.3	18.1	SW846 8082A	11/16/12	CJG	11/19/12 20:53	EGO	A1
Aroclor-1242	54.3 U	mg/kg		54.3	4.8	SW846 8082A	11/16/12	CJG	11/19/12 20:53	EGO	A1
Aroclor-1248	54.3 U	mg/kg		54.3	39.5	SW846 8082A	11/16/12	CJG	11/19/12 20:53	EGO	A1
Aroclor-1254	54.3 U	mg/kg		54.3	23.1	SW846 8082A	11/16/12	CJG	11/19/12 20:53	EGO	A1
Aroclor-1260	54.3 U	mg/kg		54.3	8.7	SW846 8082A	11/16/12	CJG	11/19/12 20:53	EGO	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	0	%	3	46-120		SW846 8082A	11/16/12	CJG	11/19/12 20:53	EGO	A1
Tetrachloro-m-xylene (S)	0	%	2	52-115		SW846 8082A	11/16/12	CJG	11/19/12 20:53	EGO	A1
WET CHEMISTRY											
Moisture	8.9	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	91.1	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to sample matrix interference. Reporting limits were adjusted accordingly. One or more of the surrogates could not be evaluated as a result of the dilution.

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991010** Date Collected: 11/12/2012 10:30 Matrix: Wipe

Sample ID: **T4-6-WP-63** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:54	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:54	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:54	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:54	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:54	EGO	A
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:54	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 20:54	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	94.2	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 20:54	EGO	A
Tetrachloro-m-xylene (S)	65.7	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 20:54	EGO	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991011** Date Collected: 11/12/2012 11:15 Matrix: Solid

Sample ID: **T5-4-WB-64** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	7.2	mg/kg		0.51	0.51	SW846 8082A	11/16/12	CJG	11/19/12 21:12	EGO	A1
Aroclor-1016	0.51 U	mg/kg		0.51	0.092	SW846 8082A	11/16/12	CJG	11/19/12 21:12	EGO	A1
Aroclor-1221	0.51 U	mg/kg		0.51	0.19	SW846 8082A	11/16/12	CJG	11/19/12 21:12	EGO	A1
Aroclor-1232	0.51 U	mg/kg		0.51	0.17	SW846 8082A	11/16/12	CJG	11/19/12 21:12	EGO	A1
Aroclor-1242	0.51 U	mg/kg		0.51	0.045	SW846 8082A	11/16/12	CJG	11/19/12 21:12	EGO	A1
Aroclor-1248	1.5	mg/kg		0.51	0.37	SW846 8082A	11/16/12	CJG	11/19/12 21:12	EGO	A1
Aroclor-1254	3.4	mg/kg		0.51	0.22	SW846 8082A	11/16/12	CJG	11/19/12 21:12	EGO	A1
Aroclor-1260	2.4	mg/kg		0.51	0.082	SW846 8082A	11/16/12	CJG	11/19/12 21:12	EGO	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	110	%		46-120		SW846 8082A	11/16/12	CJG	11/19/12 21:12	EGO	A1
Tetrachloro-m-xylene (S)	56.9	%		52-115		SW846 8082A	11/16/12	CJG	11/19/12 21:12	EGO	A1
WET CHEMISTRY											
Moisture	7.1	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	92.9	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly.

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991012** Date Collected: 11/12/2012 11:25 Matrix: Wipe

Sample ID: **T5-4-WP-65** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 21:12	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 21:12	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 21:12	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 21:12	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 21:12	EGO	A
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 21:12	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 21:12	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	97.2	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 21:12	EGO	A
Tetrachloro-m-xylene (S)	59.8	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 21:12	EGO	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991013** Date Collected: 11/12/2012 11:35 Matrix: Solid

Sample ID: **T4-4-WB-66** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	1.8	mg/kg		0.10	0.10	SW846 8082A	11/16/12	CJG	11/16/12 22:02	EGO	A1
Aroclor-1016	0.10 U	mg/kg		0.10	0.018	SW846 8082A	11/16/12	CJG	11/16/12 22:02	EGO	A1
Aroclor-1221	0.10 U	mg/kg		0.10	0.037	SW846 8082A	11/16/12	CJG	11/16/12 22:02	EGO	A1
Aroclor-1232	0.10 U	mg/kg		0.10	0.034	SW846 8082A	11/16/12	CJG	11/16/12 22:02	EGO	A1
Aroclor-1242	0.10 U	mg/kg		0.10	0.0089	SW846 8082A	11/16/12	CJG	11/16/12 22:02	EGO	A1
Aroclor-1248	0.59	mg/kg		0.10	0.074	SW846 8082A	11/16/12	CJG	11/16/12 22:02	EGO	A1
Aroclor-1254	1.2	mg/kg		0.10	0.043	SW846 8082A	11/16/12	CJG	11/16/12 22:02	EGO	A1
Aroclor-1260	0.10 U	mg/kg		0.10	0.016	SW846 8082A	11/16/12	CJG	11/16/12 22:02	EGO	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	110	%		46-120		SW846 8082A	11/16/12	CJG	11/16/12 22:02	EGO	A1
Tetrachloro-m-xylene (S)	54.4	%		52-115		SW846 8082A	11/16/12	CJG	11/16/12 22:02	EGO	A1
WET CHEMISTRY											
Moisture	5.9	%		0.1	0.01	SM20-2540 G			11/19/12 17:45	CF	A
Total Solids	94.1	%		0.1	0.01	SM20-2540 G			11/19/12 17:45	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991014** Date Collected: 11/12/2012 11:45 Matrix: Solid

Sample ID: **T4-3-WB-67** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	8.0	mg/kg		0.10	0.10	SW846 8082A	11/16/12	CJG	11/16/12 22:20	EGO	A1
Aroclor-1016	0.10 U	mg/kg		0.10	0.019	SW846 8082A	11/16/12	CJG	11/16/12 22:20	EGO	A1
Aroclor-1221	0.10 U	mg/kg		0.10	0.038	SW846 8082A	11/16/12	CJG	11/16/12 22:20	EGO	A1
Aroclor-1232	0.10 U	mg/kg		0.10	0.035	SW846 8082A	11/16/12	CJG	11/16/12 22:20	EGO	A1
Aroclor-1242	0.10 U	mg/kg		0.10	0.0091	SW846 8082A	11/16/12	CJG	11/16/12 22:20	EGO	A1
Aroclor-1248	1.3	mg/kg		0.10	0.076	SW846 8082A	11/16/12	CJG	11/16/12 22:20	EGO	A1
Aroclor-1254	4.1	mg/kg		0.10	0.044	SW846 8082A	11/16/12	CJG	11/16/12 22:20	EGO	A1
Aroclor-1260	2.7	mg/kg		0.10	0.017	SW846 8082A	11/16/12	CJG	11/16/12 22:20	EGO	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	215	%	4	46-120		SW846 8082A	11/16/12	CJG	11/16/12 22:20	EGO	A1
Tetrachloro-m-xylene (S)	53	%		52-115		SW846 8082A	11/16/12	CJG	11/16/12 22:20	EGO	A1
WET CHEMISTRY											
Moisture	6.6	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	93.4	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991015** Date Collected: 11/12/2012 11:55 Matrix: Wipe

Sample ID: **T4-3-WP-68** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 21:30	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 21:30	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 21:30	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 21:30	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 21:30	EGO	A
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 21:30	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 21:30	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	103	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 21:30	EGO	A
Tetrachloro-m-xylene (S)	72.7	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 21:30	EGO	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991016** Date Collected: 11/12/2012 12:00 Matrix: Solid

Sample ID: **T4-3-WB-69** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	12.1	mg/kg		2.1	2.1	SW846 8082A	11/16/12	CJG	11/19/12 21:30	EGO	A1
Aroclor-1016	2.1 U	mg/kg		2.1	0.38	SW846 8082A	11/16/12	CJG	11/19/12 21:30	EGO	A1
Aroclor-1221	2.1 U	mg/kg		2.1	0.77	SW846 8082A	11/16/12	CJG	11/19/12 21:30	EGO	A1
Aroclor-1232	2.1 U	mg/kg		2.1	0.70	SW846 8082A	11/16/12	CJG	11/19/12 21:30	EGO	A1
Aroclor-1242	2.1 U	mg/kg		2.1	0.19	SW846 8082A	11/16/12	CJG	11/19/12 21:30	EGO	A1
Aroclor-1248	2.1 U	mg/kg		2.1	1.5	SW846 8082A	11/16/12	CJG	11/19/12 21:30	EGO	A1
Aroclor-1254	4.8	mg/kg		2.1	0.89	SW846 8082A	11/16/12	CJG	11/19/12 21:30	EGO	A1
Aroclor-1260	7.3	mg/kg		2.1	0.34	SW846 8082A	11/16/12	CJG	11/19/12 21:30	EGO	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	99.8	%		46-120		SW846 8082A	11/16/12	CJG	11/19/12 21:30	EGO	A1
Tetrachloro-m-xylene (S)	48.8	%	5	52-115		SW846 8082A	11/16/12	CJG	11/19/12 21:30	EGO	A1
WET CHEMISTRY											
Moisture	7.8	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	92.2	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly. One or more of the surrogates could not be evaluated as a result of the dilution.

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991017** Date Collected: 11/12/2012 12:15 Matrix: Wipe
Sample ID: **T4-3-WP-70** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 21:48	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 21:48	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 21:48	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 21:48	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 21:48	EGO	A
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 21:48	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 21:48	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	116	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 21:48	EGO	A
Tetrachloro-m-xylene (S)	67.7	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 21:48	EGO	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991018** Date Collected: 11/12/2012 12:25 Matrix: Solid

Sample ID: **T4-3-WB-71** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	3.3	mg/kg		0.095	0.095	SW846 8082A	11/16/12	CJG	11/16/12 22:55	EGO	A1
Aroclor-1016	0.095 U	mg/kg		0.095	0.017	SW846 8082A	11/16/12	CJG	11/16/12 22:55	EGO	A1
Aroclor-1221	0.095 U	mg/kg		0.095	0.034	SW846 8082A	11/16/12	CJG	11/16/12 22:55	EGO	A1
Aroclor-1232	0.095 U	mg/kg		0.095	0.032	SW846 8082A	11/16/12	CJG	11/16/12 22:55	EGO	A1
Aroclor-1242	0.095 U	mg/kg		0.095	0.0083	SW846 8082A	11/16/12	CJG	11/16/12 22:55	EGO	A1
Aroclor-1248	0.095 U	mg/kg		0.095	0.069	SW846 8082A	11/16/12	CJG	11/16/12 22:55	EGO	A1
Aroclor-1254	1.8	mg/kg		0.095	0.040	SW846 8082A	11/16/12	CJG	11/16/12 22:55	EGO	A1
Aroclor-1260	1.5	mg/kg		0.095	0.015	SW846 8082A	11/16/12	CJG	11/16/12 22:55	EGO	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	117	%		46-120		SW846 8082A	11/16/12	CJG	11/16/12 22:55	EGO	A1
Tetrachloro-m-xylene (S)	54.8	%		52-115		SW846 8082A	11/16/12	CJG	11/16/12 22:55	EGO	A1
WET CHEMISTRY											
Moisture	4.9	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	95.1	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991019** Date Collected: 11/12/2012 12:35 Matrix: Wipe

Sample ID: **T4-3-WP-72** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 22:06	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 22:06	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 22:06	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 22:06	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 22:06	EGO	A
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 22:06	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 22:06	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	85.9	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 22:06	EGO	A
Tetrachloro-m-xylene (S)	57.2	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 22:06	EGO	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991020** Date Collected: 11/12/2012 12:40 Matrix: Solid

Sample ID: **T4-3-WB-73** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	2.6	mg/kg		0.092	0.092	SW846 8082A	11/16/12	CJG	11/16/12 23:13	EGO	A1
Aroclor-1016	0.092 U	mg/kg		0.092	0.016	SW846 8082A	11/16/12	CJG	11/16/12 23:13	EGO	A1
Aroclor-1221	0.092 U	mg/kg		0.092	0.033	SW846 8082A	11/16/12	CJG	11/16/12 23:13	EGO	A1
Aroclor-1232	0.092 U	mg/kg		0.092	0.031	SW846 8082A	11/16/12	CJG	11/16/12 23:13	EGO	A1
Aroclor-1242	0.092 U	mg/kg		0.092	0.0081	SW846 8082A	11/16/12	CJG	11/16/12 23:13	EGO	A1
Aroclor-1248	0.092 U	mg/kg		0.092	0.067	SW846 8082A	11/16/12	CJG	11/16/12 23:13	EGO	A1
Aroclor-1254	1.6	mg/kg		0.092	0.039	SW846 8082A	11/16/12	CJG	11/16/12 23:13	EGO	A1
Aroclor-1260	0.97	mg/kg		0.092	0.015	SW846 8082A	11/16/12	CJG	11/16/12 23:13	EGO	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	130	%	6	46-120		SW846 8082A	11/16/12	CJG	11/16/12 23:13	EGO	A1
Tetrachloro-m-xylene (S)	66.3	%		52-115		SW846 8082A	11/16/12	CJG	11/16/12 23:13	EGO	A1
WET CHEMISTRY											
Moisture	4.0	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	96.0	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991021** Date Collected: 11/12/2012 12:45 Matrix: Solid

Sample ID: **T4-4-WB-74** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	1.4	mg/kg		0.11	0.11	SW846 8082A	11/16/12	CJG	11/16/12 23:31	EGO	A1
Aroclor-1016	0.11 U	mg/kg		0.11	0.019	SW846 8082A	11/16/12	CJG	11/16/12 23:31	EGO	A1
Aroclor-1221	0.11 U	mg/kg		0.11	0.038	SW846 8082A	11/16/12	CJG	11/16/12 23:31	EGO	A1
Aroclor-1232	0.11 U	mg/kg		0.11	0.035	SW846 8082A	11/16/12	CJG	11/16/12 23:31	EGO	A1
Aroclor-1242	0.11 U	mg/kg		0.11	0.0092	SW846 8082A	11/16/12	CJG	11/16/12 23:31	EGO	A1
Aroclor-1248	0.11 U	mg/kg		0.11	0.077	SW846 8082A	11/16/12	CJG	11/16/12 23:31	EGO	A1
Aroclor-1254	0.74	mg/kg		0.11	0.045	SW846 8082A	11/16/12	CJG	11/16/12 23:31	EGO	A1
Aroclor-1260	0.63	mg/kg		0.11	0.017	SW846 8082A	11/16/12	CJG	11/16/12 23:31	EGO	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	272	%	7	46-120		SW846 8082A	11/16/12	CJG	11/16/12 23:31	EGO	A1
Tetrachloro-m-xylene (S)	55.7	%		52-115		SW846 8082A	11/16/12	CJG	11/16/12 23:31	EGO	A1
WET CHEMISTRY											
Moisture	9.5	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	90.5	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991022** Date Collected: 11/12/2012 12:50 Matrix: Wipe

Sample ID: **T4-4-WP-75** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 22:24	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 22:24	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 22:24	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 22:24	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 22:24	EGO	A
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 22:24	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 22:24	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	142	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 22:24	EGO	A
Tetrachloro-m-xylene (S)	105	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 22:24	EGO	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991023** Date Collected: 11/12/2012 13:15 Matrix: Solid

Sample ID: **T5-5-WB-76** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	6.4	mg/kg		0.10	0.10	SW846 8082A	11/16/12	CJG	11/16/12 23:49	EGO	A1
Aroclor-1016	0.10 U	mg/kg		0.10	0.019	SW846 8082A	11/16/12	CJG	11/16/12 23:49	EGO	A1
Aroclor-1221	0.10 U	mg/kg		0.10	0.038	SW846 8082A	11/16/12	CJG	11/16/12 23:49	EGO	A1
Aroclor-1232	0.10 U	mg/kg		0.10	0.035	SW846 8082A	11/16/12	CJG	11/16/12 23:49	EGO	A1
Aroclor-1242	0.10 U	mg/kg		0.10	0.0092	SW846 8082A	11/16/12	CJG	11/16/12 23:49	EGO	A1
Aroclor-1248	1.3	mg/kg		0.10	0.076	SW846 8082A	11/16/12	CJG	11/16/12 23:49	EGO	A1
Aroclor-1254	2.8	mg/kg		0.10	0.045	SW846 8082A	11/16/12	CJG	11/16/12 23:49	EGO	A1
Aroclor-1260	2.2	mg/kg		0.10	0.017	SW846 8082A	11/16/12	CJG	11/16/12 23:49	EGO	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	72.2	%		46-120		SW846 8082A	11/16/12	CJG	11/16/12 23:49	EGO	A1
Tetrachloro-m-xylene (S)	61.6	%		52-115		SW846 8082A	11/16/12	CJG	11/16/12 23:49	EGO	A1
WET CHEMISTRY											
Moisture	9.3	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	90.7	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991024** Date Collected: 11/12/2012 13:25 Matrix: Wipe

Sample ID: **T5-5-WP-77** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 22:42	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 22:42	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 22:42	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 22:42	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 22:42	EGO	A
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 22:42	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 22:42	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	86.1	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 22:42	EGO	A
Tetrachloro-m-xylene (S)	58.5	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 22:42	EGO	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991025** Date Collected: 11/12/2012 13:35 Matrix: Solid

Sample ID: **T5-5-WB-78** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	2.3	mg/kg		0.10	0.10	SW846 8082A	11/16/12	CJG	11/17/12 00:07	EGO	A1
Aroclor-1016	0.10 U	mg/kg		0.10	0.018	SW846 8082A	11/16/12	CJG	11/17/12 00:07	EGO	A1
Aroclor-1221	0.10 U	mg/kg		0.10	0.037	SW846 8082A	11/16/12	CJG	11/17/12 00:07	EGO	A1
Aroclor-1232	0.10 U	mg/kg		0.10	0.034	SW846 8082A	11/16/12	CJG	11/17/12 00:07	EGO	A1
Aroclor-1242	0.10 U	mg/kg		0.10	0.0090	SW846 8082A	11/16/12	CJG	11/17/12 00:07	EGO	A1
Aroclor-1248	0.10 U	mg/kg		0.10	0.074	SW846 8082A	11/16/12	CJG	11/17/12 00:07	EGO	A1
Aroclor-1254	2.3	mg/kg		0.10	0.043	SW846 8082A	11/16/12	CJG	11/17/12 00:07	EGO	A1
Aroclor-1260	0.10 U	mg/kg		0.10	0.016	SW846 8082A	11/16/12	CJG	11/17/12 00:07	EGO	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	78.5	%		46-120		SW846 8082A	11/16/12	CJG	11/17/12 00:07	EGO	A1
Tetrachloro-m-xylene (S)	57.2	%		52-115		SW846 8082A	11/16/12	CJG	11/17/12 00:07	EGO	A1
WET CHEMISTRY											
Moisture	6.8	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	93.2	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991026** Date Collected: 11/12/2012 13:50 Matrix: Wipe

Sample ID: **T5-5-WP-79** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 23:01	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 23:01	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 23:01	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 23:01	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 23:01	EGO	A
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 23:01	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 23:01	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	91.6	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 23:01	EGO	A
Tetrachloro-m-xylene (S)	59	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 23:01	EGO	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991027** Date Collected: 11/12/2012 14:00 Matrix: Solid
Sample ID: **T5-5-WB-80** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	8.4	mg/kg		0.10	0.10	SW846 8082A	11/16/12	CJG	11/17/12 00:25	EGO	A1
Aroclor-1016	0.10 U	mg/kg		0.10	0.018	SW846 8082A	11/16/12	CJG	11/17/12 00:25	EGO	A1
Aroclor-1221	0.10 U	mg/kg		0.10	0.037	SW846 8082A	11/16/12	CJG	11/17/12 00:25	EGO	A1
Aroclor-1232	0.10 U	mg/kg		0.10	0.034	SW846 8082A	11/16/12	CJG	11/17/12 00:25	EGO	A1
Aroclor-1242	0.10 U	mg/kg		0.10	0.0091	SW846 8082A	11/16/12	CJG	11/17/12 00:25	EGO	A1
Aroclor-1248	2.1	mg/kg		0.10	0.075	SW846 8082A	11/16/12	CJG	11/17/12 00:25	EGO	A1
Aroclor-1254	4.2	mg/kg		0.10	0.044	SW846 8082A	11/16/12	CJG	11/17/12 00:25	EGO	A1
Aroclor-1260	2.1	mg/kg		0.10	0.017	SW846 8082A	11/16/12	CJG	11/17/12 00:25	EGO	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	175	%	9	46-120		SW846 8082A	11/16/12	CJG	11/17/12 00:25	EGO	A1
Tetrachloro-m-xylene (S)	19.3	%	8	52-115		SW846 8082A	11/16/12	CJG	11/17/12 00:25	EGO	A1
WET CHEMISTRY											
Moisture	7.7	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	92.3	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991028** Date Collected: 11/12/2012 14:10 Matrix: Wipe

Sample ID: **T5-5-WP-81** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 23:19	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 23:19	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 23:19	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 23:19	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 23:19	EGO	A
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 23:19	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/15/12 23:19	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	104	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 23:19	EGO	A
Tetrachloro-m-xylene (S)	67.1	%		70-130		SW846 8082A	11/15/12	SAS	11/15/12 23:19	EGO	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991029** Date Collected: 11/12/2012 14:20 Matrix: Solid

Sample ID: **T4-6-WB-82** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	19.7	mg/kg		0.92	0.92	SW846 8082A	11/16/12	CJG	11/19/12 21:48	EGO	A1
Aroclor-1016	0.92 U	mg/kg		0.92	0.17	SW846 8082A	11/16/12	CJG	11/19/12 21:48	EGO	A1
Aroclor-1221	0.92 U	mg/kg		0.92	0.34	SW846 8082A	11/16/12	CJG	11/19/12 21:48	EGO	A1
Aroclor-1232	0.92 U	mg/kg		0.92	0.31	SW846 8082A	11/16/12	CJG	11/19/12 21:48	EGO	A1
Aroclor-1242	0.92 U	mg/kg		0.92	0.081	SW846 8082A	11/16/12	CJG	11/19/12 21:48	EGO	A1
Aroclor-1248	0.92 U	mg/kg		0.92	0.67	SW846 8082A	11/16/12	CJG	11/19/12 21:48	EGO	A1
Aroclor-1254	10.9	mg/kg		0.92	0.39	SW846 8082A	11/16/12	CJG	11/19/12 21:48	EGO	A1
Aroclor-1260	8.8	mg/kg		0.92	0.15	SW846 8082A	11/16/12	CJG	11/19/12 21:48	EGO	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	91.6	%		46-120		SW846 8082A	11/16/12	CJG	11/19/12 21:48	EGO	A1
Tetrachloro-m-xylene (S)	60.9	%		52-115		SW846 8082A	11/16/12	CJG	11/19/12 21:48	EGO	A1
WET CHEMISTRY											
Moisture	6.1	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	93.9	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly.

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991030** Date Collected: 11/12/2012 14:30 Matrix: Solid

Sample ID: **T4-4-WB-83** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	12.5	mg/kg		0.52	0.52	SW846 8082A	11/16/12	CJG	11/19/12 22:06	EGO	A1
Aroclor-1016	0.52 U	mg/kg		0.52	0.093	SW846 8082A	11/16/12	CJG	11/19/12 22:06	EGO	A1
Aroclor-1221	0.52 U	mg/kg		0.52	0.19	SW846 8082A	11/16/12	CJG	11/19/12 22:06	EGO	A1
Aroclor-1232	0.52 U	mg/kg		0.52	0.17	SW846 8082A	11/16/12	CJG	11/19/12 22:06	EGO	A1
Aroclor-1242	0.52 U	mg/kg		0.52	0.046	SW846 8082A	11/16/12	CJG	11/19/12 22:06	EGO	A1
Aroclor-1248	0.52 U	mg/kg		0.52	0.38	SW846 8082A	11/16/12	CJG	11/19/12 22:06	EGO	A1
Aroclor-1254	8.1	mg/kg		0.52	0.22	SW846 8082A	11/16/12	CJG	11/19/12 22:06	EGO	A1
Aroclor-1260	4.4	mg/kg		0.52	0.084	SW846 8082A	11/16/12	CJG	11/19/12 22:06	EGO	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	261	%	10	46-120		SW846 8082A	11/16/12	CJG	11/19/12 22:06	EGO	A1
Tetrachloro-m-xylene (S)	58.2	%		52-115		SW846 8082A	11/16/12	CJG	11/19/12 22:06	EGO	A1
WET CHEMISTRY											
Moisture	8.5	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	91.5	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly.

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991031** Date Collected: 11/12/2012 14:35 Matrix: Wipe

Sample ID: **T4-4-WP-84** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 00:14	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 00:14	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 00:14	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 00:14	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 00:14	EGO	A
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 00:14	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 00:14	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	86.1	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 00:14	EGO	A
Tetrachloro-m-xylene (S)	56.5	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 00:14	EGO	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991032** Date Collected: 11/12/2012 14:50 Matrix: Solid

Sample ID: **T5-3-WB-85** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	17.7	mg/kg		1.0	1.0	SW846 8082A	11/16/12	CJG	11/19/12 22:24	EGO	A1
Aroclor-1016	1.0 U	mg/kg		1.0	0.18	SW846 8082A	11/16/12	CJG	11/19/12 22:24	EGO	A1
Aroclor-1221	1.0 U	mg/kg		1.0	0.38	SW846 8082A	11/16/12	CJG	11/19/12 22:24	EGO	A1
Aroclor-1232	1.0 U	mg/kg		1.0	0.34	SW846 8082A	11/16/12	CJG	11/19/12 22:24	EGO	A1
Aroclor-1242	1.0 U	mg/kg		1.0	0.091	SW846 8082A	11/16/12	CJG	11/19/12 22:24	EGO	A1
Aroclor-1248	2.3	mg/kg		1.0	0.75	SW846 8082A	11/16/12	CJG	11/19/12 22:24	EGO	A1
Aroclor-1254	5.3	mg/kg		1.0	0.44	SW846 8082A	11/16/12	CJG	11/19/12 22:24	EGO	A1
Aroclor-1260	10.1	mg/kg		1.0	0.17	SW846 8082A	11/16/12	CJG	11/19/12 22:24	EGO	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	95.3	%		46-120		SW846 8082A	11/16/12	CJG	11/19/12 22:24	EGO	A1
Tetrachloro-m-xylene (S)	66.3	%		52-115		SW846 8082A	11/16/12	CJG	11/19/12 22:24	EGO	A1
WET CHEMISTRY											
Moisture	8.0	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	92.0	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly.

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991033** Date Collected: 11/12/2012 15:00 Matrix: Wipe

Sample ID: **T5-3-WP-86** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 00:32	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 00:32	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 00:32	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 00:32	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 00:32	EGO	A
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 00:32	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 00:32	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	109	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 00:32	EGO	A
Tetrachloro-m-xylene (S)	69.9	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 00:32	EGO	A

Sample Comments:

Anna G Milliken
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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991034** Date Collected: 11/12/2012 15:10 Matrix: Other

Sample ID: **T5-3-WB-87** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	4.1	mg/kg		0.093	0.093	SW846 8082A	11/16/12	CJG	11/17/12 02:47	EGO	A1
Aroclor-1016	0.093 U	mg/kg		0.093	0.017	SW846 8082A	11/16/12	CJG	11/17/12 02:47	EGO	A1
Aroclor-1221	0.093 U	mg/kg		0.093	0.034	SW846 8082A	11/16/12	CJG	11/17/12 02:47	EGO	A1
Aroclor-1232	0.093 U	mg/kg		0.093	0.031	SW846 8082A	11/16/12	CJG	11/17/12 02:47	EGO	A1
Aroclor-1242	0.093 U	mg/kg		0.093	0.0082	SW846 8082A	11/16/12	CJG	11/17/12 02:47	EGO	A1
Aroclor-1248	1.0	mg/kg		0.093	0.068	SW846 8082A	11/16/12	CJG	11/17/12 02:47	EGO	A1
Aroclor-1254	1.4	mg/kg		0.093	0.040	SW846 8082A	11/16/12	CJG	11/17/12 02:47	EGO	A1
Aroclor-1260	1.7	mg/kg		0.093	0.015	SW846 8082A	11/16/12	CJG	11/17/12 02:47	EGO	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	76.5	%		46-120		SW846 8082A	11/16/12	CJG	11/17/12 02:47	EGO	A1
Tetrachloro-m-xylene (S)	60.3	%		52-115		SW846 8082A	11/16/12	CJG	11/17/12 02:47	EGO	A1

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991035** Date Collected: 11/12/2012 15:20 Matrix: Wipe

Sample ID: **T5-3-WP-88** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 00:49	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 00:49	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 00:49	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 00:49	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 00:49	EGO	A
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 00:49	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 00:49	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	99.6	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 00:49	EGO	A
Tetrachloro-m-xylene (S)	67.5	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 00:49	EGO	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991036** Date Collected: 11/12/2012 15:30 Matrix: Solid

Sample ID: **T5-3-WB-89** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	13.3	mg/kg		0.98	0.98	SW846 8082A	11/16/12	CJG	11/20/12 00:50	EGO	A
Aroclor-1016	0.98 U	mg/kg		0.98	0.17	SW846 8082A	11/16/12	CJG	11/20/12 00:50	EGO	A
Aroclor-1221	0.98 U	mg/kg		0.98	0.36	SW846 8082A	11/16/12	CJG	11/20/12 00:50	EGO	A
Aroclor-1232	0.98 U	mg/kg		0.98	0.33	SW846 8082A	11/16/12	CJG	11/20/12 00:50	EGO	A
Aroclor-1242	0.98 U	mg/kg		0.98	0.086	SW846 8082A	11/16/12	CJG	11/20/12 00:50	EGO	A
Aroclor-1248	0.98 U	mg/kg		0.98	0.71	SW846 8082A	11/16/12	CJG	11/20/12 00:50	EGO	A
Aroclor-1254	3.5	mg/kg		0.98	0.42	SW846 8082A	11/16/12	CJG	11/20/12 00:50	EGO	A
Aroclor-1260	9.8	mg/kg		0.98	0.16	SW846 8082A	11/16/12	CJG	11/20/12 00:50	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	87.4	%		46-120		SW846 8082A	11/16/12	CJG	11/20/12 00:50	EGO	A
Tetrachloro-m-xylene (S)	57.6	%		52-115		SW846 8082A	11/16/12	CJG	11/20/12 00:50	EGO	A
WET CHEMISTRY											
Moisture	6.3	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	93.7	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly.

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991037** Date Collected: 11/12/2012 15:40 Matrix: Wipe

Sample ID: **T5-3-WP-90** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 01:08	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 01:08	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 01:08	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 01:08	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 01:08	EGO	A
Aroclor-1254	1.2	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 01:08	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 01:08	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	96.5	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 01:08	EGO	A
Tetrachloro-m-xylene (S)	57.5	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 01:08	EGO	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991038** Date Collected: 11/12/2012 15:50 Matrix: Solid

Sample ID: **T4-2-WB-91** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	11.9	mg/kg		1.0	1.0	SW846 8082A	11/16/12	CJG	11/19/12 22:43	EGO	A
Aroclor-1016	1.0 U	mg/kg		1.0	0.18	SW846 8082A	11/16/12	CJG	11/19/12 22:43	EGO	A
Aroclor-1221	1.0 U	mg/kg		1.0	0.37	SW846 8082A	11/16/12	CJG	11/19/12 22:43	EGO	A
Aroclor-1232	1.0 U	mg/kg		1.0	0.34	SW846 8082A	11/16/12	CJG	11/19/12 22:43	EGO	A
Aroclor-1242	1.0 U	mg/kg		1.0	0.089	SW846 8082A	11/16/12	CJG	11/19/12 22:43	EGO	A
Aroclor-1248	1.5	mg/kg		1.0	0.74	SW846 8082A	11/16/12	CJG	11/19/12 22:43	EGO	A
Aroclor-1254	6.2	mg/kg		1.0	0.43	SW846 8082A	11/16/12	CJG	11/19/12 22:43	EGO	A
Aroclor-1260	4.2	mg/kg		1.0	0.16	SW846 8082A	11/16/12	CJG	11/19/12 22:43	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	103	%		46-120		SW846 8082A	11/16/12	CJG	11/19/12 22:43	EGO	A
Tetrachloro-m-xylene (S)	49.8	%	11	52-115		SW846 8082A	11/16/12	CJG	11/19/12 22:43	EGO	A
WET CHEMISTRY											
Moisture	5.8	%		0.1	0.01	SM20-2540 G			11/19/12 17:45	CF	A
Total Solids	94.2	%		0.1	0.01	SM20-2540 G			11/19/12 17:45	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly.

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991039** Date Collected: 11/12/2012 16:00 Matrix: Wipe

Sample ID: **T4-2-WP-92** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 03:51	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 03:51	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 03:51	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 03:51	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 03:51	EGO	A
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 03:51	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 03:51	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	101	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 03:51	EGO	A
Tetrachloro-m-xylene (S)	64.4	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 03:51	EGO	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991040** Date Collected: 11/12/2012 16:10 Matrix: Solid

Sample ID: **T4-2-WB-93** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	12.4	mg/kg		1.0	1.0	SW846 8082A	11/16/12	CJG	11/19/12 23:01	EGO	A
Aroclor-1016	1.0 U	mg/kg		1.0	0.18	SW846 8082A	11/16/12	CJG	11/19/12 23:01	EGO	A
Aroclor-1221	1.0 U	mg/kg		1.0	0.37	SW846 8082A	11/16/12	CJG	11/19/12 23:01	EGO	A
Aroclor-1232	1.0 U	mg/kg		1.0	0.34	SW846 8082A	11/16/12	CJG	11/19/12 23:01	EGO	A
Aroclor-1242	1.0 U	mg/kg		1.0	0.090	SW846 8082A	11/16/12	CJG	11/19/12 23:01	EGO	A
Aroclor-1248	2.4	mg/kg		1.0	0.74	SW846 8082A	11/16/12	CJG	11/19/12 23:01	EGO	A
Aroclor-1254	6.5	mg/kg		1.0	0.43	SW846 8082A	11/16/12	CJG	11/19/12 23:01	EGO	A
Aroclor-1260	3.6	mg/kg		1.0	0.16	SW846 8082A	11/16/12	CJG	11/19/12 23:01	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	115	%		46-120		SW846 8082A	11/16/12	CJG	11/19/12 23:01	EGO	A
Tetrachloro-m-xylene (S)	64.8	%		52-115		SW846 8082A	11/16/12	CJG	11/19/12 23:01	EGO	A
WET CHEMISTRY											
Moisture	7.0	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	93.0	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly.

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991041** Date Collected: 11/12/2012 16:15 Matrix: Wipe

Sample ID: **T4-2-WP-94** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:20	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:20	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:20	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:20	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:20	EGO	A
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:20	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:20	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	96.4	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 02:20	EGO	A
Tetrachloro-m-xylene (S)	48.4	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 02:20	EGO	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991042** Date Collected: 11/12/2012 16:25 Matrix: Solid
Sample ID: **FL-1-WB-95** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	0.11 U	mg/kg		0.11	0.11	SW846 8082A	11/16/12	CJG	11/17/12 03:58	EGO	A
Aroclor-1016	0.11 U	mg/kg		0.11	0.020	SW846 8082A	11/16/12	CJG	11/17/12 03:58	EGO	A
Aroclor-1221	0.11 U	mg/kg		0.11	0.040	SW846 8082A	11/16/12	CJG	11/17/12 03:58	EGO	A
Aroclor-1232	0.11 U	mg/kg		0.11	0.037	SW846 8082A	11/16/12	CJG	11/17/12 03:58	EGO	A
Aroclor-1242	0.11 U	mg/kg		0.11	0.0097	SW846 8082A	11/16/12	CJG	11/17/12 03:58	EGO	A
Aroclor-1248	0.11 U	mg/kg		0.11	0.080	SW846 8082A	11/16/12	CJG	11/17/12 03:58	EGO	A
Aroclor-1254	0.11 U	mg/kg		0.11	0.047	SW846 8082A	11/16/12	CJG	11/17/12 03:58	EGO	A
Aroclor-1260	0.11 U	mg/kg		0.11	0.018	SW846 8082A	11/16/12	CJG	11/17/12 03:58	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	430	%	12	46-120		SW846 8082A	11/16/12	CJG	11/17/12 03:58	EGO	A
Tetrachloro-m-xylene (S)	59.1	%		52-115		SW846 8082A	11/16/12	CJG	11/17/12 03:58	EGO	A
WET CHEMISTRY											
Moisture	12.1	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	87.9	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991043** Date Collected: 11/12/2012 16:30 Matrix: Wipe

Sample ID: **FL-1-WP-96** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:38	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:38	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:38	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:38	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:38	EGO	A
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:38	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:38	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	110	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 02:38	EGO	A
Tetrachloro-m-xylene (S)	71.1	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 02:38	EGO	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991044** Date Collected: 11/12/2012 16:35 Matrix: Solid

Sample ID: **FL-1-WB-97** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	23.7	mg/kg		1.1	1.1	SW846 8082A	11/16/12	CJG	11/19/12 23:19	EGO	A
Aroclor-1016	1.1 U	mg/kg		1.1	0.19	SW846 8082A	11/16/12	CJG	11/19/12 23:19	EGO	A
Aroclor-1221	1.1 U	mg/kg		1.1	0.38	SW846 8082A	11/16/12	CJG	11/19/12 23:19	EGO	A
Aroclor-1232	1.1 U	mg/kg		1.1	0.35	SW846 8082A	11/16/12	CJG	11/19/12 23:19	EGO	A
Aroclor-1242	1.1 U	mg/kg		1.1	0.093	SW846 8082A	11/16/12	CJG	11/19/12 23:19	EGO	A
Aroclor-1248	3.3	mg/kg		1.1	0.77	SW846 8082A	11/16/12	CJG	11/19/12 23:19	EGO	A
Aroclor-1254	12.6	mg/kg		1.1	0.45	SW846 8082A	11/16/12	CJG	11/19/12 23:19	EGO	A
Aroclor-1260	7.8	mg/kg		1.1	0.17	SW846 8082A	11/16/12	CJG	11/19/12 23:19	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	289	%	13	46-120		SW846 8082A	11/16/12	CJG	11/19/12 23:19	EGO	A
Tetrachloro-m-xylene (S)	60.5	%		52-115		SW846 8082A	11/16/12	CJG	11/19/12 23:19	EGO	A
WET CHEMISTRY											
Moisture	7.9	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	92.1	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly.

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991045** Date Collected: 11/12/2012 16:40 Matrix: Wipe

Sample ID: **FL-1-WP-98** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:56	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:56	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:56	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:56	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:56	EGO	A
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:56	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:56	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	100	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 02:56	EGO	A
Tetrachloro-m-xylene (S)	62.4	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 02:56	EGO	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991046** Date Collected: 11/12/2012 16:45 Matrix: Wipe

Sample ID: **FL-1-WP-99** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 03:15	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 03:15	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 03:15	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 03:15	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 03:15	EGO	A
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 03:15	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 03:15	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	103	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 03:15	EGO	A
Tetrachloro-m-xylene (S)	69.9	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 03:15	EGO	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991047** Date Collected: 11/12/2012 16:55 Matrix: Solid

Sample ID: **FL-1-WB-100** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Total Polychlorinated Biphenyl	0.99	mg/kg		0.11	0.11	SW846 8082A	11/16/12	CJG	11/17/12 04:34	EGO	A
Aroclor-1016	0.11 U	mg/kg		0.11	0.019	SW846 8082A	11/16/12	CJG	11/17/12 04:34	EGO	A
Aroclor-1221	0.11 U	mg/kg		0.11	0.040	SW846 8082A	11/16/12	CJG	11/17/12 04:34	EGO	A
Aroclor-1232	0.11 U	mg/kg		0.11	0.036	SW846 8082A	11/16/12	CJG	11/17/12 04:34	EGO	A
Aroclor-1242	0.11 U	mg/kg		0.11	0.0095	SW846 8082A	11/16/12	CJG	11/17/12 04:34	EGO	A
Aroclor-1248	0.11 U	mg/kg		0.11	0.079	SW846 8082A	11/16/12	CJG	11/17/12 04:34	EGO	A
Aroclor-1254	0.99	mg/kg		0.11	0.046	SW846 8082A	11/16/12	CJG	11/17/12 04:34	EGO	A
Aroclor-1260	0.11 U	mg/kg		0.11	0.017	SW846 8082A	11/16/12	CJG	11/17/12 04:34	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	407	%	14	46-120		SW846 8082A	11/16/12	CJG	11/17/12 04:34	EGO	A
Tetrachloro-m-xylene (S)	61.1	%		52-115		SW846 8082A	11/16/12	CJG	11/17/12 04:34	EGO	A
WET CHEMISTRY											
Moisture	10.7	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A
Total Solids	89.3	%		0.1	0.01	SM20-2540 G			11/16/12 16:00	CF	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991048** Date Collected: 11/12/2012 17:05 Matrix: Wipe

Sample ID: **T4-7-WP-101** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 03:33	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 03:33	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 03:33	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 03:33	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 03:33	EGO	A
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 03:33	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 03:33	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	102	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 03:33	EGO	A
Tetrachloro-m-xylene (S)	62.1	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 03:33	EGO	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991049** Date Collected: 11/12/2012 17:15 Matrix: Wipe

Sample ID: **T4-6-WP-102** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:02	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:02	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:02	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:02	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:02	EGO	A
Aroclor-1254	11.8	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:02	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 02:02	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	137	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 02:02	EGO	A
Tetrachloro-m-xylene (S)	62.4	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 02:02	EGO	A

Sample Comments:

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ANALYTICAL RESULTS

Workorder: 9997991 KKS004|50 Dey Street

Lab ID: **9997991050** Date Collected: 11/12/2012 17:20 Matrix: Wipe

Sample ID: **T4-6-WP-103** Date Received: 11/13/2012 21:30

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
PCBs											
Aroclor-1016	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 04:09	EGO	A
Aroclor-1221	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 04:09	EGO	A
Aroclor-1232	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 04:09	EGO	A
Aroclor-1242	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 04:09	EGO	A
Aroclor-1248	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 04:09	EGO	A
Aroclor-1254	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 04:09	EGO	A
Aroclor-1260	1.0 U	ug/Wipe		1.0	1.0	SW846 8082A	11/15/12	SAS	11/16/12 04:09	EGO	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	102	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 04:09	EGO	A
Tetrachloro-m-xylene (S)	73.4	%		70-130		SW846 8082A	11/15/12	SAS	11/16/12 04:09	EGO	A

Sample Comments:

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 9997991 KKS004|50 Dey Street

PARAMETER QUALIFIERS\FLAGS

[1] The surrogate Decachlorobiphenyl for method SW846 8082A was outside of control limits. The % Recovery was reported as 412 and the control limits were 46 to 120. This result was reported at a dilution of 10.

[2] The surrogate Tetrachloro-m-xylene for method SW846 8082A was outside of control limits. The % Recovery was reported as 0 and the control limits were 52 to 115. This result was reported at a dilution of 500.

[3] The surrogate Decachlorobiphenyl for method SW846 8082A was outside of control limits. The % Recovery was reported as 0 and the control limits were 46 to 120. This result was reported at a dilution of 500.

[4] The surrogate Decachlorobiphenyl for method SW846 8082A was outside of control limits. The % Recovery was reported as 215 and the control limits were 46 to 120. This result was reported at a dilution of 1.

[5] The surrogate Tetrachloro-m-xylene for method SW846 8082A was outside of control limits. The % Recovery was reported as 48.8 and the control limits were 52 to 115. This result was reported at a dilution of 20.

[6] The surrogate Decachlorobiphenyl for method SW846 8082A was outside of control limits. The % Recovery was reported as 130 and the control limits were 46 to 120. This result was reported at a dilution of 1.

[7] The surrogate Decachlorobiphenyl for method SW846 8082A was outside of control limits. The % Recovery was reported as 272 and the control limits were 46 to 120. This result was reported at a dilution of 1.

[8] The surrogate Tetrachloro-m-xylene for method SW846 8082A was outside of control limits. The % Recovery was reported as 19.3 and the control limits were 52 to 115. This result was reported at a dilution of 1.

[9] The surrogate Decachlorobiphenyl for method SW846 8082A was outside of control limits. The % Recovery was reported as 175 and the control limits were 46 to 120. This result was reported at a dilution of 1.

[10] The surrogate Decachlorobiphenyl for method SW846 8082A was outside of control limits. The % Recovery was reported as 261 and the control limits were 46 to 120. This result was reported at a dilution of 5.

[11] The surrogate Tetrachloro-m-xylene for method SW846 8082A was outside of control limits. The % Recovery was reported as 49.8 and the control limits were 52 to 115. This result was reported at a dilution of 10.

[12] The surrogate Decachlorobiphenyl for method SW846 8082A was outside of control limits. The % Recovery was reported as 430 and the control limits were 46 to 120. This result was reported at a dilution of 1.

[13] The surrogate Decachlorobiphenyl for method SW846 8082A was outside of control limits. The % Recovery was reported as 289 and the control limits were 46 to 120. This result was reported at a dilution of 10.

[14] The surrogate Decachlorobiphenyl for method SW846 8082A was outside of control limits. The % Recovery was reported as 407 and the control limits were 46 to 120. This result was reported at a dilution of 1.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

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Page 1 of 7
Courier:
Tracking #:
9997991

Co. Name: KEYSTONE E-SCIENCES GROUP, INC.
Contact (Report to): DAN ERDMAN Phone: 610-407-4002
Address: 590 EAST LANCASTER AVE SUITE 200 FRAZER, PA 19355
Bill to (if different than Report to): PO#:
Project Name/#: 50 2nd STREET ALS Quote #: 352751
TAT: ☐ Normal-Standard TAT is 10 business days. ☒ Rush-Subject to ALS approval and surcharges. 5 day
Date Required:
Approved By:
Email? ☐ Y
Fax? ☐ Y No.:

Cooler Temp: 1°C
Cooler Seal: Intact
No. of Coolers: 2
Notes:

ANALYSES/METHOD REQUESTED: RCRA

Enter Number of Containers Per Analysis

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Time	Sample Date	Military Time	*G or *C	**Matrix	RCRA	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.	Custody seals Present?	(if present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
1	T4-7-WB-54		0950	10/17	Wood			X	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
2	TS-7-WB-55		0955		Wood			X	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
3	TS-7-WB-56		1005		Wood			X	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
4	TS-7-WP-57		1010		WP			X	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
5	T4-7-WP-58		1012		WP			X	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
6	TS-7-WP-59		1015		WP			X	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
7	TS-6-WB-60		1030		Wood			X	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
8	TS-6-WB-61		1035		Wood			X	Y	Y	Y	Y	N	Y	Y	Y	Y	Y

SAMPLED BY (Please Print):
LOGGED BY (signature): Date 11/13/12 Time 1744
REVIEWED BY (signature): Date 11/14/12 Time 1749

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature] / KES	11/13/12	1120	2 [signature]	11/13/12	11:20
3 [signature] / ALS	11/13/12	13:25	4 Beverly Mahimendro	11-13 ALS	1325
5 Beverly Mahimendro / ALS	11/13/12		6 [signature]	11/13/12	1900
7 [signature]	11/13/12	2130	8 [signature]	11/13/12	2130
9			10		

Data Deliverables: ☐ Standard ☐ CLP-like ☒ NJ-Reduced ☐ NJ-Full ☐ other
EDD Required? ☐ If yes, format type:
DOD Criteria Required?
SDWA Forms? ⇒ yes / yes / yes / yes
State Samples Collected In? MD / NJ / NY / PA
Other

ALS FIELD SERVICES: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

* G=Grab; C=Composite
**Matrix: Air=Air; DW=Drinking Water; GW=Groundwater; Oil=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.
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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

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Page 2 of 2

Courier:

Tracking #: 9995991

Co. Name: KEYSTONE E-SCIENCES GROUP, INC.

Phone:

Contact (Report to):

Address:

Bill to (if different than Report to):

PO#:

Project Name/#: 50 DEY STREET

ALS Quote #:

TAT: [ ] Normal-Standard TAT is 10 business days. [X] Rush-Subject to ALS approval and surcharges. 5 day

Date Required:

Approved By:

Email? [ ] Y

Fax? [ ] Y No:

ANALYSES/METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	PCBs
1	T4-6-WB-62		11/12/2012	1045	WBW		X
2	T4-6-WP-63			1050	WP		X
3	TS-4-WB-64			1115	WBW		X
4	TS-4-WP-65			1125	WP		X
5	T4-4-WB-66			1135	WBW		X
6	T4-3-WB-67			1145	WBW		X
7	T4-3-WP-68			1155	WP		X
8	T4-3-WB-69			1200	WBW		X

Enter Number of Containers Per Analysis

***Container Type
***Container Size
***Preservative

SAMPLED BY (Please Print):

LOGGED BY (signature): DATE 11/13/12 TIME 0924

REVIEWED BY (signature): SJS DATE 11/17/12 TIME 1721

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature] / KES	11/12/12	1120	2 [signature]	11/12/12	1120
3 [signature] / KES	11/12/12	1325	4 Beverly Maximenko / ALS	11/12/12	1325
5 Beverly Maximenko / ALS	11-13-12		6 [signature]	11/13	1120
7 [signature]	11/13	2130	8 [signature]	11/13	2130
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] [ ] EDDs Required? [ ] If yes, format type:

State Forms?: yes / yes / yes / yes

State Samples Collected In?: MD / NJ / NY / PA

Other

DOD Criteria Required?

Receipt Information (completed by Sample Receipt)

Received by: [signature]

Cooler Temp: 10C

Temp. ID: 0654

No. of Cooler: 2

Notes:

Correct containers?	Y	N
Correct sample volume?	Y	N
Correct preservation?	Y	N
Headspace/Volatiles?	Y	N
Circle appropriate Y or N.		
Custody seals Present?	Y	N
If present, Seals intact?	Y	N
Received on ice?	Y	N
COC/Labels complete/accurate?	Y	N
Container in good condition?	Y	N

ALS FIELD SERVICES

[ ] Pickup
[ ] Labor
[ ] Composite Sampling
[ ] Rental Equipment
[ ] Other:

*G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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State Certifications: CT PH-0224, DE ID 11, GA 914, MA PA0102, MD 128, LA 04162, VA 421, WY EPA Region 8, WV 343

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Courier:
Tracking #: 9997991

Co. Name: KEYSTONE E-SCIENCES GROUP, INC.
Phone:
Contact (Report to):
Address:

Bill to (if different than Report to):
PO#:

Project Name/#: 50 DEY STREET
ALS Quote #:
Date Required:
Approved By:

TAT: ☐ Normal-Standard TAT is 10 business days. ☒ Rush-Subject to ALS approval and surcharges. 5day

Email? -Y
Fax? -Y No:

***Container Type
***Container Size
Preservative

ANALYSES/METHOD REQUESTED: PCBs

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	Enter Number of Containers Per Analysis
1	T4-3-WP-70		11/8/12	1215	G	WP	X
2	T4-3-WB-71			1225	G	WOD	X
3	T4-3-WP-72			1235	G	WP	X
4	T4-3-WB-73			1240	G	WOD	X
5	T4-4-WB-74			1245	G	WOD	X
6	T4-4-WP-75			1250	G	WP	X
7	T5-5-WB-76			1315	G	WOD	X
8	T5-5-WP-77			1325	G	WP	X

Relinquished By / Company Name: 1 [signature] / LES
Date: 11/13/12 Time: 1120
Received By / Company Name: 2 [signature]
Date: 11/13/12 Time: 1120

Relinquished By / Company Name: 3 [signature]
Date: 11/13/12 Time: 13:25
Received By / Company Name: 4 Beverly Maguire / ALS
Date: 11-13-12 Time: 1325

Relinquished By / Company Name: 5 Beverly Maguire / ALS
Date: 11-13-12 Time: 2130
Received By / Company Name: 6 [signature]
Date: 11/13 Time: 1930

Relinquished By / Company Name: 7 [signature]
Date: 11/13 Time: 2130
Received By / Company Name: 8 [signature]
Date: 11/13 Time: 2130

Relinquished By / Company Name: 9
Received By / Company Name: 10

SAMPLED BY (Please Print):
LOGGED BY (signature): [signature] DATE: 11/13/12 TIME: 2304
REVIEWED BY (signature): SKS DATE: 11/17/12 TIME: 21752

Data Deliverables: ☐ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ (other) ☐ If yes, format type:
EDDs (Required?)
SDWA Forms Req: yes / yes / yes / yes Other
State Samples Collected In? NS NJ NY PA
DOD Criteria Required?

Receipt Information (completed by Sample Receipt)
Performed By: [signature]
Cooler Temp: 1°C
Lot Seal Intact: 6054
No. of Coolers: 2
Notes:

	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
1	Y	Y	Y	Y	
2	N	N	N	N	
3	N	N	N	N	
4	N	N	N	N	
5	N	N	N	N	
6	N	N	N	N	
7	N	N	N	N	
8	N	N	N	N	

	Custody seals Present?	(if present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
1	Y	Y	Y	Y	Y
2	N	N	N	N	N
3	N	N	N	N	N
4	N	N	N	N	N
5	N	N	N	N	N
6	N	N	N	N	N
7	N	N	N	N	N
8	N	N	N	N	N

ALS FIELD SERVICES: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

* G=Grab; C=Composite
**Matrix: Al=Air; DW=Drinking Water; GW=Groundwater; Ol=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Page 4 of 7

Courier:

Tracking #: 9997991

Co. Name: KEYSTONE E-SCIENCES GROUP, INC.

Contact (Report to):

Phone:

Address:

Bill to (if different than Report to):

PO#:

Project Name/#: 50 DEI STREET

ALS Quote #:

TAT: ☐ Normal-Standard TAT is 10 business days. ☒ Rush-Subject to ALS approval and surcharges. 5 day

Date Required:

Approved By:

Email? ☐ -Y

Fax? ☐ -Y No.:

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	PCBs
1	TS-5-WB-78		11/13/12	1335	W	WW	X
2	TS-5-WP-79			1350	W	WP	X
3	TS-5-WB-80			1400	W	WW	X
4	TS-5-WP-81			1410	W	WP	X
5	T4-6-WB-82			1420	W	WW	X
6	T4-4-WB-83			1430	W	WW	X
7	T4-4-WP-84			1435	W	WP	X
8	TS-3-WB-85			1450	W	WW	X

Enter Number of Containers Per Analysis

***Container Type / ***Container Size / *** Preservative

ANALYSES/METHOD REQUESTED

Receipt Information (Provided to Sample Receipt only)

Performed by: Dave

Cooler Temp: 1°C

Lot#: 57054

No. of Coolers: 2

Notes:

	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
Y	Y	Y	Y	Y	
N	N	N	N	N	

	Custody seals Present?	If present, Seals intact?	Received on ice?	COC/Labels completed/accurate?	Container in good condition?
Y	Y	Y	Y	Y	Y
N	N	N	N	N	N

SAMPLED BY (Please Print):

LOGGED BY (signature): DATE 11/13/12 TIME 1504

REVIEWED BY (signature): SAS DATE 11/14/12 TIME 1750

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	Dave S / KES	11/13/12	1120	2		11/14/12	1120
3	MALS	11/13/12	1325	4	Beverly Mazzuendo / ALS	11-13-12	1325
5	Beverly Mazzuendo / ALS	11-13-12		6		11/13	
7		11/13	2130	8		11/13	2130
9				10			

Data Deliverables: ☐ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ *Other ☐ If yes, format type:

EDD Required?

SDWA Forms? yes / yes / yes / yes

State Samples Collected In? MD / NJ / NY / PA

Other

DOD Criteria Required?

ALS FIELD SERVICES: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

* G=Grab; C=Composite

**Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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Page 5 of 7
Courier:
Tracking #: 9997991

Co. Name: KEYSTONE E-SCIENCES GROUP, INC.
Contact (Report to):
Phone:
Address:
Bill to (if different than Report to):
PO#:
Project Name/#: 50 DEY STREET
ALS Quote #:
Data Required:
Approved By:
TAT: [ ] Normal-Standard TAT is 10 business days. [X] Rush-Subject to ALS approval and surcharges. 5 day
Email? [ ] Y
Fax? [ ] Y No.:

Receipt Information (completed by Sample Receiver)
Received by: [illegible]
Cooler Temp: PL
Tracking ID: 1054 7654
No. of Coolers: 2
Notes:

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	***Container Type	***Container Size	Preservative	ANALYSES/METHOD REQUESTED: PCBs	Enter Number of Containers Per Analysis
1 TS-3-WP-86		11/12/2012	1500	C	WP				X	
2 TS-3-WB-87			1510		WB				X	
3 TS-3-WP-88			1520		WP				X	
4 TS-3-WB-89			1530		WB				X	
5 TS-3-WP-90			1540		WP				X	
6 T4-2-WB-91			1550		WB				X	
7 T4-2-WP-92			1600		WP				X	
8 T4-2-WB-93			1610		WB				X	

	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
	Y	Y	N	N	
	Y	Y	N	N	
	Y	Y	N	N	
	Y	Y	N	N	
	Y	Y	N	N	
	Y	Y	N	N	
	Y	Y	N	N	
	Y	Y	N	N	

	Custody seals Present?	If present, Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
	Y	Y	N	N	N

SAMPLED BY (Please Print): [illegible]
LOGGED BY (signature): [illegible] Date: 11/13/12 Time: 2300
REVIEWED BY (signature): SLS Date: 11/17/12 Time: 1754

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [illegible] / KES	11/13/12	1120	2 [illegible]	11/13/12	1120
3 [illegible] / KES	11/13/12	1325	4 Beverly Mazzuccato / ALS	11-13-12	1325
5 Beverly Mazzuccato / ALS	11-13-12		6 [illegible]	11/13	1900
7 [illegible]	11/13	2130	8 [illegible]	11/13	2130
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] other
EDDs Required? [ ] If yes, format type:
SDWA Forms? yes / yes / yes / yes
State Samples Collected in? MD / NJ / NY / PA
Other
DOD Criteria Required?

ALS FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite
**Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALS ENVIRONMENTAL

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Page 6 of 7

Courier:

Tracking #: 9997991

Co. Name: KEYSTONE E-SCIENCES GROUP, INC.

Contact (Report to):

Phone:

Address:

Bill to (if different than Report to):

PO#:

Project Name/#: 50 DEY STREET

ALS Quote #:

TAT: [ ] Normal-Standard TAT is 10 business days. [X] Rush-Subject to ALS approval and surcharges. 5 day

Date Required:

Approved By:

Email? [ ] -Y

Fax? [ ] -Y No.:

ANALYSES/METHOD REQUESTED: PCBs

Enter Number of Containers Per Analysis

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	PCBs
1	T4-2-WP-94		11/8	1615		WP	X
2	FL-1-WB-95			1625		WOD	X
3	FL-1-WP-96			1630		WP	X
4	FL-1-WB-97			1635		WOD	X
5	FL-1-WP-98			1640		WP	X
6	FL-1-WP-99			1645		WP	X
7	FL-1-WB-100			1655		WOD	X
8	T4-7-WP-101			1705		WP	X

Receipt Information (completed by Sample Receipt)

Performed by:

Cooler Temp: 1°C

10/15 [illegible] 1154

No. of Coolers: 2

Notes:

Correct containers?	Y	N
Correct sample volume?	Y	N
Correct preservation?	Y	N
Headspace/Volatiles?	Y	N
Circle appropriate Y or N.		
Custody seals Present?	Y	N
If present, Seals intact?	Y	N
Received on ice?	Y	N
COC/Labels complete/accurate?	Y	N
Container in good condition?	Y	N

SAMPLED BY (Please Print):

LOGGED BY (signature): [illegible] DATE 11/15/12 TIME 2324

REVIEWED BY (signature): SIS DATE 11/17/12 TIME 1755

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [illegible]	11/8/12	1120	2 [illegible]	11/8/12	1120
3 [illegible]	11/8/12	1320	4 Beverly Mahmarko/ALS	11-13	1325
5 Beverly Mahmarko/ALS	11-13-12		6 [illegible]	11/13	1945
7 [illegible]	11/13	2130	8 [illegible]	11/13	2130
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] other

EDD Required? [ ] If yes, format type:

SDWA Forms? yes / yes / yes / yes

Other

State Samples Collected In? MD / NJ / NY / PA

DOD Criteria Required?

ALS FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite

**Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 7 of 7
Courier:
Tracking #: 9997991

Co. Name: KEYSTONE E-SCIENCES
Contact (Report to):
Phone:
Address:

Bill to (if different than Report to):
PO#:

Project Name/#: 50 DE-1 STREET
ALS Quote #:

TAT: ☐ Normal-Standard TAT is 10 business days. ☒ Rush-Subject to ALS approval and surcharges. 5 day
Date Required:
Approved By:

Email? ☐ Y
Fax? ☐ Y No.:

Receipt Information (completed in Sample Receipt)
Performed by: [illegible]
Cooler Temp: 1°C
Thermometer: 10154/76521
No. of Coolers: 2
Notes:

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	PCBs	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
1	T4-6-WP-102		12/6/2012	1715	G	WP	X					
2	T4-6-WP-103		12/6/2012	1720	G	WP	X					
3												
4												
5												
6												
7												
8												

Enter Number of Containers Per Analysis

Custody seals Present? | If present, seals intact? | Received on Ice? | COC/Labels complete/accurate? | Container in good condition?

SAMPLED BY (Please Print):
LOGGED BY (signature): [signature] Date 11/15/12 Time 2201
REVIEWED BY (signature): SLS Date 11/17/12 Time 1755

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature] / KES	12/6/2012	1120	2 [signature]	11/12/12	1120
3 [signature] / KES	11/12/12	13:25	4 Beverly Maximovich / ALS	11-13-12	1325
5 Beverly Maximovich / ALS	11-13-12		6 [signature]	11/13	1815
7 [signature]	11/13	2130	8 [signature]	11/13	2130
9			10		

Data Deliverables: ☐ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ other
EDDs Required? ☐ If yes, format type:
DOD Criteria Required?
SDWA Forms? yes ☐ yes ☐ yes ☐ yes ☐
State Samples Collected In? MD ☐ NJ ☐ NY ☐ PA ☐ Other
ALS FIELD SERVICES: ☐ Pickup ☐ Labor ☐ Composite Sampling ☐ Rental Equipment ☐ Other:

* G=Grab; C=Composite
**Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.
Rev 6/2011

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY

APPENDIX D

SIRP Tables 9 & 10

Table 1
PCB Sample Location Descriptions
Seventh Floor- Towers 4 and 5

SAMPLE ID	TYPE	DESCRIPTION	RESULTS
T4-7-CH-1	Chip	Competent concrete floor surface, north area Tower 4	***9.7 mg/kg***
T4-7-WB-2	Wood Block	Slightly oil/creosote-stained wood block flooring, north area of Tower 4	***12.1 mg/kg***
T5-7-WB-3	Wood Block	Area of broken, splintered wood block flooring, Tower 5	***21.5 mg/kg***
T5-7-CH-4	Chip	Broken concrete (chips) from floor surface, Tower 5	***8.6 mg/kg***
T5-7-WP-8	Wipe	Brick wall in shaft access area adjacent to Tower 5 elevator	ND (1.0 ug) / 100 cm^2
T4-7-WP-45	Wipe	Dusty brick/concrete ledge area approximately 3 feet above floor level in vicinity of electrical panels, unoccupied room, Tower 4	***10.7 ug/ 100 cm^2***
T4-7-WB-54	Wood Block	Heavily stained wood block in center of large vacant space	***44.1 mg/kg*** 1254
T5-7-WB-55	Wood Block	Slightly stained intact wood block near center of large vacant space	***24.7 mg/kg***
T5-7-WB-56	Wood Block	Hallway area outside restroom, woodblock in poor condition	***25.5 mg/kg*** 1254
T5-7-WP-57	Wipe	Metal (diamond plate) floor section near northwest corner of vacant room	9.6 ug/ 100 cm^2
T4-7-WP-58	Wipe	Dusty ceramic ledge in men's restroom, approximately 4 feet above floor surface	1.6 ug/ 100 cm^2
T5-7-WP-59	Wipe	Dusty concrete floor, west central portion of large open room	1.5 ug/ 100 cm^2
T4-7-WP-101	Wipe	Vertical metal pipe in stairwell area, approximately 0.8 feet above floor surface	ND (1.0) ug/ 100 cm^2

Notes:

Bold Italics Indicates Exceedance of Residential Direct Contact Soil Remediation Standard.

Highlighted Results Indicate Exceedance of Non-Residential Direct Contact Soil Remediation Standards.

Table 2
PCB Sample Location Descriptions
Sixth Floor- Towers 4 and 5

SAMPLE ID	TYPE	DESCRIPTION	RESULTS
T5-6-WB-5	Wood Block	Intact wood block flooring, hallway area Tower 5	***12.8 mg/kg***
T4-6-WB-6	Wood Block	Intact wood block flooring, oil/creosote-stained, adjacent to Electric Panel B, Tower 4	***8.5 mg/kg***
T4-6-CH-7	Chip	Exposed concrete surface (approximately 20 sf) in area of missing wood block flooring along east wall Tower 4	***0.27 mg/kg***
T5-6-WP-9	Wipe	Grey-painted wood block floor, slightly dusty, in southwest area of Life & Style tenant-occupied area (batik material packaging and storage) of Tower 5	ND (1.0 ug) / 100 cm^2
T4-6-WP-46	Wipe	Dust on top of HVAC unit inside of small unoccupied office area, north area of Tower 4, approximately 9 feet above floor level	0.4 ug/ 100 cm^2
T5-6-WB-60	Wood Block	Grey-painted wood block flooring near structural column of Life & Style tenant occupied area	***8.0 mg/kg***
T5-6-WB-61	Wood Block	Unpainted wood block floor in scuffed but intact condition near center of room; in vicinity of recent construction (metal wall studs installed and utility conduits cut into wood block flooring)	***222 mg/ kg***
T4-6-WB-62	Wood Block	Wood block in fair condition near center of vacant room	***ND (54.3) mg/kg***
T4-6-WP-63	Wipe	Dusty ceramic ledge above sink in men's restroom, approximately 6 feet above floor surface	ND (1.0 ug)/ 100 cm^2
T4-6-WB-82	Wood Block	Scoffed brown, slightly stained wood block floor in vacant area	***19.7 mg/kg***
T4-6-WP-102	Wipe	Metal ledge by chute and windows, approximately 4 feet above floor surface in vacant area	3.9 ug/ 100 cm^2
T4-6-WP-103	Wipe	Field/rinsate blank prepared at T4-6-WP-102 location; transfer of gauze wipe from one laboratory sample jar to second jar	ND (1.0 ug)/ 100 cm^2

1254 92.3

1260 123

Notes:

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Highlighted Results Indicate Exceedance of Non-Residential Direct Contact Soil Remediation Standards.

Table 3

PCB Sample Location Descriptions
Fifth Floor- Towers 4 and 5

SAMPLE ID	TYPE	DESCRIPTION	RESULTS
T4-5-WB-10	Wood Block	Intact wood block flooring adjacent to electric panel in vacant space of Tower 4	***0.89 mg/kg***
T4-5-SW-11	Sweep	Broken concrete chips from floor surface adjacent to wall of Tower 4; area of removed wood block	ND (0.033) mg/kg
T5-5-WP-47	Wipe	Dusty floor area (metal plating) outside entrance to Radio City tenant area, Tower 5	ND (1.0 ug) / 100 cm2
T5-5-WB-76	Wood Block	Wood block flooring in tenant-occupied (Radio City) space	***6.4 mg/kg***
T5-5-WP-77	Wipe	Dust on window sill area in tenant-occupied (Radio City) space	ND (1.0 ug)/ 100 cm^2
T5-5-WB-78	Wood Block	Partially paint-covered, heavily scuffed wood block flooring near center of tenant-occupied (All Systems) space	***2.3 mg/kg***
T5-5-WP-79	Wipe	Dust on storage unit metal surface approximately 2 feet above floor surface in tenant-occupied (All Systems) space	ND (1.0 ug)/ 100 cm^2
T5-5-WB-80	Wood Block	Brown wood block floor in tenant-occupied (Gio Draping) space	***8.4 mg/kg***
T5-5-WP-81	Wipe	Dust on window sill in wood shop area of tenant-occupied (Gio Draping) space	ND (1.0 ug)/ 100 cm^2

Notes:

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Highlighted Results Indicate Exceedance of Non-Residential Direct Contact Soil Remediation Standards.

Table 4
PCB Sample Location Descriptions
Fourth Floor- Towers 4 and 5

SAMPLE ID	TYPE	DESCRIPTION	RESULTS
T4-4-CH-12	Chip	Exposed concrete wall, north section of Tower 4	ND (0.034) mg/kg
T4-4-WP-13	Wipe	Red concrete floor area near electric panels in tenant-occupied (Hanover) storage space, Tower 4	ND (1.0 ug) / cm2
T4-4-WB-14	Wood Block	Intact wood block flooring in tenant-occupied (Hanover) storage space, Tower 4	***0.42 mg/kg***
T4-4-WP-15	Wipe	Stairwell landing (concrete at top of stairs) between Tower 4 and Tower 5	0.3 ug/ 100 cm2
T4-4-WP-48	Wipe	Concrete and metal step surface in stairwell, Tower 4	1.1 ug/ 100 cm2
T5-4-WB-64	Wood Block	Moderately stained wood block flooring, south central portion of tenant-occupied (Hanover) space	***7.2 mg/kg***
T5-4-WP-65	Wipe	Typical dusty window pane in Hanover space, south side of tenant area	ND (1.0 ug)/ 100 cm^2
T4-4-WB-66	Wood Block	Wood block flooring, good condition, near center of tenant-occupied (Jorgensen) space	***1.8 mg/kg***
T4-4-WB-74	Wood Block	Grey-painted wood block flooring in ICBA hallway	***1.4 mg/kg***
T4-4-WP-75	Wipe	Painted concrete block surface in hallway to ICBA space, approximately 5.5 feet above floor surface; relatively little dust	ND (1.0 ug)/ 100 cm^2
T4-4-WB-83	Wood Block	Brown wood block flooring in front area of tenant-occupied (One Can Do) space	***12.5 mg/kg***
T4-4-WP-84	Wipe	Dust on ledge area, approximately 2.5 feet above floor surface	ND (1.0 ug)/ 100 cm^2

Notes:

Bold Italics Indicates Exceedance of Residential Direct Contact Soil Remediation Standard.

Highlighted Results Indicate Exceedance of Non-Residential Direct Contact Soil Remediation Standards.

Table 5
PCB Sample Location Descriptions
Third Floor- Towers 4 and 5

SAMPLE ID	TYPE	DESCRIPTION	RESULTS
T5-3-WB-16	Wood Block	Intact wood block flooring, Tower 5	***2.1 mg/kg***
T4-3-CH-17	Chip	Competent concrete flooring section, Tower 4	***0.27 mg/kg***
T4-3-WB-38	Wood Block	Intact wood block flooring near end of removed wood block flooring area of Tower 4 hallway, adjacent to Morrissey Moving Company and Quadrille China Seas (tenants) and decommissioned elevator	***1.5 mg/kg***
T5-3-CH-39	Chip	White-painted brick wall, south side of hallway opposite elevators, Tower 5	***0.27 mg/kg***
T5-3-WP-49	Wipe	Metal door surface inside of freight elevator, Tower 5	2.9 ug/ 100 cm2
T4-3-WB-67	Wood Block	Grey-painted wood block flooring in tenant-occupied (Quadrille) area	***8.0 mg/kg***
T4-3-WP-68	Wipe	Wipe sample on structural column, relatively dust-free area in clean fabric-handling and cutting working space	ND (1.0 ug)/ 100 cm^2
T4-3-WB-69	Wood Block	Moderately stained wood block area near center of vacant room space	***12.1 mg/kg***
T4-3-WP-70	Wipe	Dusty ledge, approximately 3 feet above floor surface, west side of space	ND (1.0 ug)/ 100 cm^2
T4-3-WB-71	Wood Block	Brown wood block flooring near doorway of Morrissey Moving tenant-occupied space	***3.3 mg/kg***
T4-3-WP-72	Wipe	Dust on top of vending machine	ND (1.0 ug)/ 100 cm^2
T4-3-WB-73	Wood Block	Wood block flooring near center of second Morrissey Moving (tenant occupied) area	***2.6 mg/kg***
T5-3-WB-85	Wood Block	Scuffed wood block, fair to poor condition, in vacant area	***17.7 mg/kg***
T5-3-WP-86	Wipe	Dusty top of transformer unit, metal surface, approximately 4 feet above ground surface	ND (1.0 ug)/ 100 cm^2
T5-3-WB-87	Wood Block	Brown partially painted, partially bare wood block flooring in tenant occupied (PDI) wood shop area	***4.1 mg/kg***
T5-3-WP-88	Wipe	Dusty metal door surface, southwest corner of tenant occupied (PDI) wood shop	ND (1.0 ug)/ 100 cm^2
T5-3-WB-89	Wood Block	Brown wood block floor area, good condition, near center of tenant occupied (Eagle Moving) storage area	***13.3 mg/kg***
T5-3-WP-90	Wipe	Dust on window ledge, approximately 3 feet above floor surface	0.4 ug/ 100 cm^2

Notes:

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Highlighted Results Indicate Exceedance of Non-Residential Direct Contact Soil Remediation Standards.

Table 6
PCB Sample Location Descriptions
Second Floor- Towers 4 and 5

SAMPLE ID	TYPE	DESCRIPTION	RESULTS
T5-2-WB-34	Wood Block	Intact wood block flooring, oil/creosote stained, hallway area, Tower 5	***12 mg/kg***
T5-2-CH-35	Chip	Competent concrete floor adjacent to wall in vicinity of T5-2-WB-34, Tower 5	***0.79 mg/kg***
T4-2-SW-36	Sweep	Five-point composite sample from abandoned floor in north side of Tower 4; considerably more dust accumulation, broken concrete and chipped wood block in this area relative to other unoccupied building areas	***2.4 mg/kg***
T4-2-WB-37	Wood Block	Intact wood block in hallway near elevators, Tower 4	***1.9 mg/kg***
T5-2-WP-50	Wipe	Metal flooring plate outside of elevator shaft near entrance to Starfire (tenant) entrance, Tower 5	1.1 ug/ 100 cm2
T4-2-WB-91	Wood Block	Worn painted wood block flooring in Canco Lofts art gallery area (currently unoccupied)	***11.9 mg/kg***
T4-2-WP-92	Wipe	Dusty area on metal surface atop sheetrock gallery wall in Canco Lofts art gallery area (currently unoccupied), approximately 8 feet above floor surface	ND (1.0 ug)/ 100 cm^2
T4-2-WB-93	Wood Block	Scuffed brown wood block floor in presently vacant Canco Lofts art gallery area	***12.4 mg/kg***
T4-2-WP-94	Wipe	Painted wood surface counter top, approximately 3.5 feet above floor level, in presently vacant Canco Lofts art gallery area	ND (1.0 ug)/ 100 cm^2

Notes:

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Highlighted Results Indicate Exceedance of Non-Residential Direct Contact Soil Remediation Standards.

Table 7
PCB Sample Location Descriptions
First Floor- Towers 4 and 5

SAMPLE ID	TYPE	DESCRIPTION	RESULTS
BH-WP-25	Wipe	Competent concrete floor of loading dock near entrance to Maintenance Shop	0.8 ug/100 cm^2
BH-WP-26	Wipe	Concrete block wall, west end of loading dock, near entrance door to Miz-Mooz	ND (1.0 ug)/ 100 cm^2
FL-1-WB-32	Wood Block	Intact wood block flooring, stained, on loading dock outside entrance door to Miz-Mooz	***0.51 mg/kg***
FL-1-WB-33	Wood Block	Field duplicate of FL-1-WB-32	***0.50 mg/kg***
FL-1-CH-40	Chip	Exposed concrete floor (area of removed wood block flooring) near northeast corner of Maintenance Shop	***0.9 mg/kg***
FL-1-WB-41	Wood Block	Intact wood block flooring near northeast corner of Maintenance Shop	***3.7 mg/kg***
FL-1-WP-42	Wipe	Concrete column, approximately 5 feet above ground surface, near center of Maintenance Shop	ND (1.0 ug)/ 100 cm^2
FL-1-WP-43	Wipe	Wood surface, dusty, above office space inside of Maintenance Shop, approximately 10 feet above floor surface	ND (1.0 ug)/ 100 cm^2
FL-1-WP-44	Wipe	Steel floor plating on loading dock between door to Maintenance Shop and Stairway #8 to basement	1.1 ug/ 100 cm^2
FL-1-WP-51	Wipe	Competent concrete floor surface on loading dock outside overhead doors between Feed Your Soul and Miz-Mooz tenant spaces	0.4 ug/ 100 cm^2
FL-1-WB-95	Wood Block	Moderately stained wood block floor inside Maintenance Shop, near west central wall	ND (0.11) mg/kg
FL-1-WP-96	Wipe	Wall and metal pipe adjacent to electrical panels, right side (east) of door entrance to tenant occupied (Feed Your Soul) area	ND (1.0 ug)/ 100 cm^2
FL-1-WB-97	Wood Block	Moderately scuffed brown wood block flooring in tenant occupied (Miz Mooz) area	***23.7 mg/kg***
FL-1-WP-98	Wipe	Dusty wall ledge, approximately 6 feet above floor in tenant occupied (Miz Mooz) area	ND (1.0 ug)/ 100 cm^2
FL-1-WP-99	Wipe	Dusty ledge by windows, approximately 4 feet above floor surface in tenant occupied (Miz Mooz) area	ND (1.0 ug)/ 100 cm^2
FL-1-WB-100	Wood Block	Moderately worn wood block flooring in tenant occupied (Miz Mooz) area	***0.99 mg/kg***

Notes:

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Highlighted Results Indicate Exceedance of Non-Residential Direct Contact Soil Remediation Standards.

Table 8
PCB Sample Location Descriptions
Basement and Boiler House Areas

SAMPLE ID	TYPE	DESCRIPTION	RESULTS
BH-SED'T-18	Sweep	Five-point composite sample of approximate 1000 sf area of sediment accumulation in former rail area adjacent to Boiler House; sample obtained from surficial one-inch of material	0.12 mg/kg
BH-WP-19	Wipe	Brick wall near former rail tracks and concrete-vaulted AST	ND (1.0 ug) / 100 cm2
BH-WP-20	Wipe	Brick wall outside of Boiler Room	ND (1.0 ug) / 100 cm2
BH-WP-21	Wipe	Field blank	ND (1.0 ug) / 100 cm2
BH-WP-22	Wipe	Concrete wall (south side) inside Boiler Room	ND (1.0 ug)/ 100 cm2
BH-WP-23	Wipe	Painted brick wall (east side) inside Boiler Room	ND (1.0 ug) /100 cm2
BH-WP-24	Wipe	Concrete wall, east side of basement near electrical panels adjacent to open shaft	0.4 ug/ 100 cm2
BSMT-SW-27	Sweep	Bottom of open shaft way, east end of basement, close to wipe sample BH-WP-24 location	***0.47 mg/kg***
BH-CH-30	Chip	Weathered concrete floor surface outside of Boiler Room, in vicinity of wipe sample BH-WP-20	ND (0.033) mg/kg
BH-CH-31	Chip	Mostly competent concrete floor surface inside Boiler Room, some staining	ND (0.033) mg/kg
BH-WP-52	Wipe	Dusty concrete vault surface over AST near Boiler House and basement	ND (1.0 ug) / 100 cm2
BH-WP-53	Wipe	6-inch diameter metal piping surface, approximately 3 feet above floor surface along north wall of basement between the Boiler House and Fire Pump Room	ND (1.0 ug) / 100 cm2

Notes:

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Highlighted Results Indicate Exceedance of Non-Residential Direct Contact Soil Remediation Standards.

TABLE 9
SUMMARY OF PCB ANALYTICAL RESULTS- WOOD BLOCK SAMPLES
SEPTEMBER AND NOVEMBER 2012
(all results mg/kg)

Sample ID:	T4-7-WB-2	T5-7-WB-3	T5-6-WB-5	T4-6-WB-6	T4-5-WB-10	T4-4-WB-14	T5-3-WB-16	T4-3-WB-38	T5-2-WB-34	T4-2-WB-37	RDCSRS	NRDCSRS
Sample Date:	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	28-Sep-12	28-Sep-12	28-Sep-12		
Total PCBs	***12.1***	***21.5***	***12.8***	***8.5***	***0.89***	***0.42***	***2.1***	***1.5***	***12***	***1.9***	0.2	1.0
Aroclor-1016	ND (1.7)	ND (1.7)	ND (3.5)	ND (3.7)	ND (0.034)	ND (0.035)	ND (0.036)	ND (0.063)	ND (3.5)	ND (0.058)	0.2	1.0
Aroclor-1221	ND (1.7)	ND (1.7)	ND (3.5)	ND (3.7)	ND (0.034)	ND (0.035)	ND (0.036)	ND (0.063)	ND (3.5)	ND (0.058)	0.2	1.0
Aroclor-1232	ND (1.7)	ND (1.7)	ND (3.5)	ND (3.7)	ND (0.034)	ND (0.035)	ND (0.036)	ND (0.063)	ND (3.5)	ND (0.058)	0.2	1.0
Aroclor-1242	ND (1.7)	ND (1.7)	ND (3.5)	ND (3.7)	***0.43***	ND (0.035)	ND (0.036)	ND (0.063)	ND (3.5)	ND (0.058)	0.2	1.0
Aroclor-1248	ND (1.7)	ND (1.7)	ND (3.5)	ND (3.7)	ND (0.034)	ND (0.035)	ND (0.036)	ND (0.063)	ND (3.5)	ND (0.058)	0.2	1.0
Aroclor-1254	***12.1***	***14.4***	***12.8***	***8.5***	***0.46***	***0.42***	***0.65***	***0.92***	ND (3.5)	***1.3***	0.2	1.0
Aroclor-1260	ND (1.7)	7.2	ND (3.5)	ND (3.7)	ND (0.034)	ND (0.035)	***1.4***	***0.56***	***12***	***0.57***	0.2	1.0

Sample ID:	FL-1-WB-32	FL-1-WB-33	FL-1-WB-41	T4-7-WB-54	T5-7-WB-55	T5-7-WB-56	T5-6-WB-60	T5-6-WB-61	T4-6-WB-62	T5-4-WB-64	RDCSRS	NRDCSRS
Sample Date:	28-Sep-12	28-Sep-12	28-Sep-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12		
Total PCBs	***0.51***	***0.5***	***3.7***	***44.1***	***24.7***	***25.5***	***8***	***222***	ND (54.3)	***7.2***	0.2	1.0
Aroclor-1016	ND (0.038)	ND (0.038)	ND (0.058)	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (49.3)	ND (54.3)	ND (0.51)	0.2	1.0
Aroclor-1221	ND (0.038)	ND (0.038)	ND (0.058)	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (49.3)	ND (54.3)	ND (0.51)	0.2	1.0
Aroclor-1232	ND (0.038)	ND (0.038)	ND (0.058)	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (49.3)	ND (54.3)	ND (0.51)	0.2	1.0
Aroclor-1242	ND (0.038)	ND (0.038)	ND (0.058)	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (49.3)	ND (54.3)	ND (0.51)	0.2	1.0
Aroclor-1248	ND (0.038)	ND (0.038)	ND (0.058)	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (49.3)	ND (54.3)	***1.5***	0.2	1.0
Aroclor-1254	ND (0.038)	ND (0.038)	2.0	***44.1***	***24.7***	***25.5***	***8***	***98.3***	ND (54.3)	***3.4***	0.2	1.0
Aroclor-1260	***0.51***	***0.5***	***1.7***	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	***123***	ND (54.3)	***2.4***	0.2	1.0

Sample ID:	T4-4-WB-66	T4-3-WB-67	T4-3-WB-69	T4-3-WB-71	T4-3-WB-73	T4-4-WB-74	T5-5-WB-76	T5-5-WB-78	T5-5-WB-80	T4-6-WB-82	RDCSRS	NRDCSRS
Sample Date:	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12		
Total PCBs	***1.8***	***8***	***12.1***	***3.3***	***2.6***	***1.4***	***6.4***	***2.3***	***8.4***	***19.7***	0.2	1.0
Aroclor-1016	ND (0.10)	ND (0.10)	ND (2.1)	ND (0.10)	ND (0.09)	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.92)	0.2	1.0
Aroclor-1221	ND (0.10)	ND (0.10)	ND (2.1)	ND (0.10)	ND (0.09)	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.92)	0.2	1.0
Aroclor-1232	ND (0.10)	ND (0.10)	ND (2.1)	ND (0.10)	ND (0.09)	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.92)	0.2	1.0
Aroclor-1242	ND (0.10)	ND (0.10)	ND (2.1)	ND (0.10)	ND (0.09)	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.92)	0.2	1.0
Aroclor-1248	***0.59***	***1.3***	ND (2.1)	ND (0.10)	ND (0.09)	ND (0.11)	***1.3***	ND (0.10)	***2.1***	ND (0.92)	0.2	1.0
Aroclor-1254	***1.2***	***4.1***	***4.8***	***1.8***	***1.6***	***0.74***	***2.8***	***2.3***	***4.2***	***10.9***	0.2	1.0
Aroclor-1260	ND (0.10)	***2.7***	***7.3***	***1.5***	***0.97***	***0.63***	***2.2***	ND (0.10)	***2.1***	***8.8***	0.2	1.0

Sample ID:	T4-4-WB-83	T5-3-WB-85	T5-3-WB-87	T5-3-WB-89	T4-2-WB-91	T4-2-WB-93	FL-1-WB-95	FL-1-WB-97	FL-1-WB-100		RDCSRS	NRDCSRS
Sample Date:	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12			
Total PCBs	***12.5***	***17.7***	***4.1***	***13.3***	***11.9***	***12.4***	ND (0.11)	***23.7***	***0.99***		0.2	1.0
Aroclor-1016	ND (0.52)	ND (1.0)	ND (0.09)	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.11)	ND (1.1)	ND (0.11)		0.2	1.0
Aroclor-1221	ND (0.52)	ND (1.0)	ND (0.09)	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.11)	ND (1.1)	ND (0.11)		0.2	1.0
Aroclor-1232	ND (0.52)	ND (1.0)	ND (0.09)	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.11)	ND (1.1)	ND (0.11)		0.2	1.0
Aroclor-1242	ND (0.52)	ND (1.0)	ND (0.09)	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.11)	ND (1.1)	ND (0.11)		0.2	1.0
Aroclor-1248	ND (0.52)	***2.3***	***1***	ND (0.98)	***1.5***	***2.4***	ND (0.11)	***3.3***	ND (0.11)		0.2	1.0
Aroclor-1254	***8.1***	***5.3***	***1.4***	***3.5***	***6.2***	***6.5***	ND (0.11)	***12.6***	***0.99***		0.2	1.0
Aroclor-1260	***4.4***	***10.1***	***1.7***	***9.8***	***4.2***	***3.6***	ND (0.11)	***7.8***	ND (0.11)		0.2	1.0

TABLE 10
SUMMARY OF PCB ANALYTICAL RESULTS
CONCRETE CHIP AND SWEEP SAMPLES
SEPTEMBER AND NOVEMBER 2012
(all results mg/kg)

Sample ID:	T4-7-CH-1	T5-7-CH-4	T4-6-CH-7	T4-5-SW-11	T4-4-CH-12	T4-3-CH-17	T5-3-CH-39	RDCSRS	NRDCSRS
Sample Date:	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	28-Sep-12		
Total PCBs	***9.7***	***8.6***	***0.27***	ND (0.033)	ND (0.034)	***0.27***	***0.27***	0.2	1.0
Aroclor-1016	ND (0.67)	ND (0.66)	ND (0.033)	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.033)	0.2	1.0
Aroclor-1221	ND (0.67)	ND (0.66)	ND (0.033)	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.033)	0.2	1.0
Aroclor-1232	ND (0.67)	ND (0.66)	ND (0.033)	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.033)	0.2	1.0
Aroclor-1242	ND (0.67)	ND (0.66)	ND (0.033)	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.033)	0.2	1.0
Aroclor-1248	ND (0.67)	ND (0.66)	ND (0.033)	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.033)	0.2	1.0
Aroclor-1254	***9.7***	***8.6***	***0.27***	ND (0.033)	ND (0.034)	***0.27***	0.15	0.2	1.0
Aroclor-1260	ND (0.67)	ND (0.66)	ND (0.033)	ND (0.033)	ND (0.034)	ND (0.033)	0.12	0.2	1.0

Sample ID:	T5-2-CH-35	T4-2-SW-36	BH-SED'T-18	BSMT-SW-27	BH-CH-30	BH-CH-31	FL-1-CH-40	RDCSRS	NRDCSRS
Sample Date:	28-Sep-12	28-Sep-12	27-Sep-12	27-Sep-12	28-Sep-12	28-Sep-12	28-Sep-12		
Total PCBs	***0.79***	***2.4***	0.12	***0.47***	ND (0.033)	ND (0.033)	***0.9***	0.2	1.0
Aroclor-1016	ND (0.033)	ND (1.7)	ND (0.036)	ND (0.036)	ND (0.033)	ND (0.033)	ND (0.033)	0.2	1.0
Aroclor-1221	ND (0.033)	ND (1.7)	ND (0.036)	ND (0.036)	ND (0.033)	ND (0.033)	ND (0.033)	0.2	1.0
Aroclor-1232	ND (0.033)	ND (1.7)	ND (0.036)	ND (0.036)	ND (0.033)	ND (0.033)	ND (0.033)	0.2	1.0
Aroclor-1242	***0.79***	ND (1.7)	ND (0.036)	ND (0.036)	ND (0.033)	ND (0.033)	ND (0.033)	0.2	1.0
Aroclor-1248	ND (0.033)	ND (1.7)	ND (0.036)	ND (0.036)	ND (0.033)	ND (0.033)	ND (0.033)	0.2	1.0
Aroclor-1254	ND (0.033)	***2.4***	ND (0.036)	ND (0.036)	ND (0.033)	ND (0.033)	***0.2***	0.2	1.0
Aroclor-1260	ND (0.033)	ND (1.7)	0.12	***0.47***	ND (0.033)	ND (0.033)	***0.71***	0.2	1.0

RDCSRS Residential Direct Contact Soil Remediation Standard
NRDCSRS Non-Residential Direct Contact Soil Remediation Standard
ND (0.033) Not Detected (Laboratory Reporting Limit)
9.7 Bold Italics Indicates an Exceedance of RDCSRS; Shaded Indicates Exceedance of NRDCSRS

TABLE 11
SUMMARY OF PCB ANALYTICAL RESULTS- WIPE SAMPLES
SEPTEMBER AND NOVEMBER 2012
(all results in ug/ 100 cm2)

Sample ID:	T5-7-WP-8	T4-7-WP-45	T5-6-WP-9	T4-6-WP-46	T5-5-WP-47	T4-4-WP-13	T4-4-WP-15	T4-4-WP-48	T5-3-WP-49	T5-2-WP-50	BH-WP-19	BH-WP-20	USEPA Criteria
Sample Date:	27-Sep-12	28-Sep-12	27-Sep-12	28-Sep-12	28-Sep-12	27-Sep-12	27-Sep-12	28-Sep-12	28-Sep-12	28-Sep-12	27-Sep-12	27-Sep-12	
Total PCBs	ND (1.0)	***10.7***	ND (1.0)	0.4	ND (1.0)	ND (1.0)	0.3	1.1	2.9	1.1	ND (1.0)	ND (1.0)	10 ug/100 cm2
Aroclor-1016	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1221	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1232	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1242	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1248	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1254	ND (1.0)	7.1	ND (1.0)	0.4	ND (1.0)	ND (1.0)	ND (1.0)	0.6	1.2	0.6	ND (1.0)	ND (1.0)	
Aroclor-1260	ND (1.0)	3.6	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.3	0.5	1.6	0.5	ND (1.0)	ND (1.0)	

Sample ID:	BH-WP-21	BH-WP-22	BH-WP-23	BH-WP-24	BH-WP-25	BH-WP-26	FL-1-WP-42	FL-1-WP-43	FL-1-WP-44	FL-1-WP-51	BH-WP-52	BH-WP-53	USEPA Criteria
Sample Date:	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	28-Sep-12	28-Sep-12	28-Sep-12	28-Sep-12	28-Sep-12	28-Sep-12	
Total PCBs	ND (1.0)	ND (1.0)	ND (1.0)	0.4	0.8	ND (1.0)	ND (1.0)	ND (1.0)	1.1	0.4	ND (1.0)	ND (1.0)	10 ug/100 cm2
Aroclor-1016	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1221	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1232	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1242	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1248	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1254	ND (1.0)	ND (1.0)	ND (1.0)	0.4	0.4	ND (1.0)	ND (1.0)	ND (1.0)	0.5	ND (1.0)	ND (1.0)	ND (1.0)	
Aroclor-1260	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.4	ND (1.0)	ND (1.0)	ND (1.0)	0.6	0.4	ND (1.0)	ND (1.0)	

Sample ID:	T5-7-WP-57	T4-7-WP-58	T5-7-WP-59	T4-6-WP-63	T5-4-WP-65	T4-3-WP-68	T4-3-WP-70	T4-3-WP-72	T4-4-WP-75	T5-5-WP-77	T5-5-WP-79	T5-5-WP-81	USEPA Criteria
Sample Date:	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	
Total PCBs	9.6	1.6	1.53	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	10 ug/100 cm2
Aroclor-1016	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1221	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1232	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1242	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1248	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1254	6.47	1.6	1.53	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1260	3.13	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	

Sample ID:	T4-4-WP-84	T5-3-WP-86	T5-3-WP-88	T5-3-WP-90	T4-2-WP-92	T4-2-WP-94	FL-1-WP-96	FL-1-WP-98	FL-1-WP-99	T4-7-WP-101	T4-6-WP-102	T4-6-WP-103	USEPA Criteria
Sample Date:	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	
Total PCBs	ND (0.33)	ND (0.33)	ND (0.33)	0.4	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	3.93	ND (0.33)	10 ug/100 cm2
Aroclor-1016	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1221	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1232	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1242	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1248	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	
Aroclor-1254	ND (0.33)	ND (0.33)	ND (0.33)	0.4	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	3.93	ND (0.33)	
Aroclor-1260	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	

Note: All Wipe Samples Collected with a 300 cm2 Template; Lab Report Results Converted From a "Per Wipe" Reporting For Comparison With Criteria

ND (1.0) Not Detected (Laboratory Detection Limit)

10.7 Bold Italics Indicates Exceedance of USEPA Criteria

TABLE 12
SUMMARY OF SEDIMENT/ COAL ASH ANALYTICAL RESULTS
RAILROAD SPUR IN BASEMENT AREA
(all results mg/kg)

Sample ID:	BH-SED'T-18	RDCSRS	NRDCSRS
Sample Date:	27-Sep-12		
SVOCs:			
Anthracene	0.21 J	17,000	30,000
Benzo(a)anthracene	***1.27***	0.6	2.0
Benzo(a)pyrene	***ND (0.54)***	0.2	0.2
Benzo(b)fluoranthene	***2.54***	0.6	2.0
Benzo(g,h,i)perylene	0.44 J	380,000	30,000
Benzo(k)fluoranthene	0.73	6	23
Butylbenzylphthalate	0.66 J	1,200	14,000
Carbazole	0.25 J	24	96
Chrysene	2.16	62	230
Di-n-Butylphthalate	0.52 J	6,100	68,000
Diethylphthalate	0.70 J	49,000	550,000
bis(2-Ethylhexyl)phthalate	4.88	35	140
Fluoranthene	2	2,300	24,000
2-Methylnaphthalene	0.18 J	230	2,400
Phenanthrene	1.6	NA	300,000
Phenol	0.2 J	18,000	210,000
Pyrene	3.9	1,700	18,000
PCBs:	0.12	0.2	1
Metals:			
Antimony	8.2	31	450
Arsenic	7.2	19	19
Beryllium	0.55	16	140
Cadmium	5.3	78	78
Chromium	67.6	NA	NA
Copper	123	3,100	45,000
Lead	***418***	400	800
Mercury	2.5	23	65
Nickel	29	1,600	23,000
Selenium	ND (2.6)	390	5,700
Silver	0.45 J	390	5,700
Thallium	ND (0.51)	5	79
Zinc	1280	23,000	110,000

RDCSRS Residential Direct Contact Soil Remediation Standard
NRDCSRS Non-Residential Direct Contact Soil Remediation Standard
ND (2.6) Not Detected (Laboratory Detection Limit)
418 Bold Italics Indicates Exceedance of RDCSRS; Shaded Indicates Exceedance of NRDCSRS

TABLE 9
SUMMARY OF PCB ANALYTICAL RESULTS- WOOD BLOCK SAMPLES
SEPTEMBER AND NOVEMBER 2012
(all results mg/kg)

Sample ID:	T4-7-WB-2	T5-7-WB-3	T5-6-WB-5	T4-6-WB-6	T4-5-WB-10	T4-4-WB-14	T5-3-WB-16	T4-3-WB-38	T5-2-WB-34	T4-2-WB-37	RDCSRS	NRDCSRS
Sample Date:	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	27-Sep-12	28-Sep-12	28-Sep-12	28-Sep-12		
Total PCBs	***12.1***	***21.5***	***12.8***	***8.5***	***0.89***	***0.42***	***2.1***	***1.5***	***12***	***1.9***	0.2	1.0
Aroclor-1016	ND (1.7)	ND (1.7)	ND (3.5)	ND (3.7)	ND (0.034)	ND (0.035)	ND (0.036)	ND (0.063)	ND (3.5)	ND (0.058)	0.2	1.0
Aroclor-1221	ND (1.7)	ND (1.7)	ND (3.5)	ND (3.7)	ND (0.034)	ND (0.035)	ND (0.036)	ND (0.063)	ND (3.5)	ND (0.058)	0.2	1.0
Aroclor-1232	ND (1.7)	ND (1.7)	ND (3.5)	ND (3.7)	ND (0.034)	ND (0.035)	ND (0.036)	ND (0.063)	ND (3.5)	ND (0.058)	0.2	1.0
Aroclor-1242	ND (1.7)	ND (1.7)	ND (3.5)	ND (3.7)	***0.43***	ND (0.035)	ND (0.036)	ND (0.063)	ND (3.5)	ND (0.058)	0.2	1.0
Aroclor-1248	ND (1.7)	ND (1.7)	ND (3.5)	ND (3.7)	ND (0.034)	ND (0.035)	ND (0.036)	ND (0.063)	ND (3.5)	ND (0.058)	0.2	1.0
Aroclor-1254	***12.1***	***14.4***	***12.8***	***8.5***	***0.46***	***0.42***	***0.65***	***0.92***	ND (3.5)	***1.3***	0.2	1.0
Aroclor-1260	ND (1.7)	7.2	ND (3.5)	ND (3.7)	ND (0.034)	ND (0.035)	***1.4***	***0.56***	***12***	***0.57***	0.2	1.0

Sample ID:	FL-1-WB-32	FL-1-WB-33	FL-1-WB-41	T4-7-WB-54	T5-7-WB-55	T5-7-WB-56	T5-6-WB-60	T5-6-WB-61	T4-6-WB-62	T5-4-WB-64	RDCSRS	NRDCSRS
Sample Date:	28-Sep-12	28-Sep-12	28-Sep-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12		
Total PCBs	***0.51***	***0.5***	***3.7***	***44.1***	***24.7***	***25.5***	***8***	***222***	ND (54.3)	***7.2***	0.2	1.0
Aroclor-1016	ND (0.038)	ND (0.038)	ND (0.058)	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (49.3)	ND (54.3)	ND (0.51)	0.2	1.0
Aroclor-1221	ND (0.038)	ND (0.038)	ND (0.058)	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (49.3)	ND (54.3)	ND (0.51)	0.2	1.0
Aroclor-1232	ND (0.038)	ND (0.038)	ND (0.058)	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (49.3)	ND (54.3)	ND (0.51)	0.2	1.0
Aroclor-1242	ND (0.038)	ND (0.038)	ND (0.058)	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (49.3)	ND (54.3)	ND (0.51)	0.2	1.0
Aroclor-1248	ND (0.038)	ND (0.038)	ND (0.058)	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	ND (49.3)	ND (54.3)	***1.5***	0.2	1.0
Aroclor-1254	ND (0.038)	ND (0.038)	*2.0*	***44.1***	***24.7***	***25.5***	***8***	***98.3***	ND (54.3)	***3.4***	0.2	1.0
Aroclor-1260	***0.51***	***0.5***	***1.7***	ND (2.1)	ND (1.0)	ND (2.1)	ND (1.0)	***123***	ND (54.3)	***2.4***	0.2	1.0

Sample ID:	T4-4-WB-66	T4-3-WB-67	T4-3-WB-69	T4-3-WB-71	T4-3-WB-73	T4-4-WB-74	T5-5-WB-76	T5-5-WB-78	T5-5-WB-80	T4-6-WB-82	RDCSRS	NRDCSRS
Sample Date:	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12		
Total PCBs	***1.8***	***8***	***12.1***	***3.3***	***2.6***	***1.4***	***6.4***	***2.3***	***8.4***	***19.7***	0.2	1.0
Aroclor-1016	ND (0.10)	ND (0.10)	ND (2.1)	ND (0.10)	ND (0.09)	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.92)	0.2	1.0
Aroclor-1221	ND (0.10)	ND (0.10)	ND (2.1)	ND (0.10)	ND (0.09)	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.92)	0.2	1.0
Aroclor-1232	ND (0.10)	ND (0.10)	ND (2.1)	ND (0.10)	ND (0.09)	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.92)	0.2	1.0
Aroclor-1242	ND (0.10)	ND (0.10)	ND (2.1)	ND (0.10)	ND (0.09)	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.92)	0.2	1.0
Aroclor-1248	***0.59***	***1.3***	ND (2.1)	ND (0.10)	ND (0.09)	ND (0.11)	***1.3***	ND (0.10)	***2.1***	ND (0.92)	0.2	1.0
Aroclor-1254	***1.2***	***4.1***	***4.8***	***1.8***	***1.6***	***0.74***	***2.8***	***2.3***	***4.2***	***10.9***	0.2	1.0
Aroclor-1260	ND (0.10)	***2.7***	***7.3***	***1.5***	***0.97***	***0.63***	***2.2***	ND (0.10)	***2.1***	***8.8***	0.2	1.0

Sample ID:	T4-4-WB-83	T5-3-WB-85	T5-3-WB-87	T5-3-WB-89	T4-2-WB-91	T4-2-WB-93	FL-1-WB-95	FL-1-WB-97	FL-1-WB-100		RDCSRS	NRDCSRS
Sample Date:	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12			
Total PCBs	***12.5***	***17.7***	***4.1***	***13.3***	***11.9***	***12.4***	ND (0.11)	***23.7***	***0.99***		0.2	1.0
Aroclor-1016	ND (0.52)	ND (1.0)	ND (0.09)	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.11)	ND (1.1)	ND (0.11)		0.2	1.0
Aroclor-1221	ND (0.52)	ND (1.0)	ND (0.09)	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.11)	ND (1.1)	ND (0.11)		0.2	1.0
Aroclor-1232	ND (0.52)	ND (1.0)	ND (0.09)	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.11)	ND (1.1)	ND (0.11)		0.2	1.0
Aroclor-1242	ND (0.52)	ND (1.0)	ND (0.09)	ND (0.98)	ND (1.0)	ND (1.0)	ND (0.11)	ND (1.1)	ND (0.11)		0.2	1.0
Aroclor-1248	ND (0.52)	***2.3***	***1***	ND (0.98)	***1.5***	***2.4***	ND (0.11)	***3.3***	ND (0.11)		0.2	1.0
Aroclor-1254	***8.1***	***5.3***	***1.4***	***3.5***	***6.2***	***6.5***	ND (0.11)	***12.6***	***0.99***		0.2	1.0
Aroclor-1260	***4.4***	***10.1***	***1.7***	***9.8***	***4.2***	***3.6***	ND (0.11)	***7.8***	ND (0.11)		0.2	1.0

APPENDIX E

Focused SIRP Addendum (FSIRP-A), May 15, 2013

KEYSTONE E-SCIENCES GROUP, INC.

TO: James S. Haklar, Ph.D. (USEPA Region 2) *via e-mail*
FROM: Dan Erdman, P.G., LSRP
CC: Rami Haim (Mana Art Center)
Alon Livne (Mana Art Center)
Yaniv Balinco (Mana Art Center)
Fran Mulnick Parker, Esq.
DATE: 15 May 2013
RE: Focused SIRP Addendum/ Request to Proceed with Disposal
7th and 2nd Floor Wood Block Removal and Disposal
Mana Art Center, LLC Property- 50 Dey Street, Jersey City
Ref: KES #12038

As a follow-up to our meeting on 27 March and subsequent correspondence regarding the SIRP for the Mana Art Center, we are providing this memo:

- As a progress report for the work conducted to date,
- As the "Focused SIRP Addendum" we discussed regarding the removal and disposal of wood block from the 7th and 2nd floors of the building, and
- To obtain EPA approval to proceed with the disposal of the wood block removed to date.

Coventry Environmental, Inc. was selected as the site remediation contractor and the removal of wood block on the 7th floor commenced on 06th May 2013. As we had discussed, and as indicated in the original (dated December 2012) SIRP for this case, the 7th floor is vacant. The work area was secured as an exclusion zone for the removal work. As the wood block floor is removed, it is being placed in plastic-lined one-cubic yard capacity boxes, which are being stored on site. The boxes were supplied by the landfill disposal facility selected for the disposal, which is the Gloucester County Solid Waste Complex (GCSWC) in Swedesboro, New Jersey. Attachment A provides the waste characterization analyses provided to the GCSWC. A copy of the formal approval letter from GCSWC for this waste stream is included in Appendix A.

To date, approximately 180 disposal boxes have been filled, with approximately another 100 anticipated to be filled by early next week. Per our correspondence on 29 March 2013, we have proceeded with the wood block removal and packaging into the 1-cy containers, but not with the transport and disposal until we obtain EPA approval for such. In view of the fact that we are quickly running out of onsite storage space for the 7th floor, ***we are requesting an expedited approval to transport and dispose the material, which we hope to schedule some time next week.***

590 EAST LANCASTER AVENUE SUITE 200 FRAZER, PA 19355
PHONE (610) 407-4002 FAX (610) 407-4101

I am also providing, as Attachment B, some updated information on the PCB concentrations on the 7th and 2nd floors. One specific concern that you registered during our earlier meeting regarded the elevated detection of total PCB at the T4-7-WB-54 wood block sampling location at 44.1 mg/kg, as reported in the December 2012 SIRP. In April 2013, we obtained five additional samples in the vicinity of T4-7-WB-54 (see Figure 10 for locations T4-7-WB-310 through -314). As indicated on Figure 10 and the table in Attachment B, these five additional samples showed PCB concentrations ranging from 7.1 to 35.9 mg/kg. Thus, all the concentrations in this area are below 50 mg/kg. These results had also been shared with the GCSWC prior to their approval of the waste stream.

Attachment B also presents the complete set of total PCB wood block results from the 2nd floor. The original SIRP did not include analyses from the Tower 5 space ("Starfire space") because the area was not accessible before January. The results of the three samples in Tower 5 (T5-2-WB-230, -231, and -232) are indicted on the Figure 15 and table in Attachment B. These results are all above 1.0 mg/kg but below 50 mg/kg. These results have also been shared with the GCSWC prior to their approval of the waste stream.

We are continuing to work out logistics and sequencing of wood block removal from the remaining floors with the Owner. Also, we are aware that the Characterization Sampling plans for underlying concrete floors, walls, and ceilings need to finalized and approved by EPA before those are implemented. In the meantime, we appreciate your attention to this SIRP Addendum, focused on the interim action of wood block removal and disposal. Please let me know if there are any questions or additional information needed before approval is provided for the disposal of the wood block from the 7th and 2nd floors. I may be reached at derdman@keystoneesg.com or 610-407-4002 x 27 (office), or 610-350-8455 if there are any questions.

ATTACHMENT A

GCIA Board Members

Charles Fentress
Chairman

Daniel Christy
Paul W. Lenkowski
Ashley C. Nichols

Gloucester County Improvement Authority
Solid Waste Complex
503 Monroeville Road
Swedesboro, NJ 08085
Phone: 856.478.6045
Fax:856.478-4858
www.gcianj.com

George D. Strachan
Acting Executive Director

Robert Damminger
Freeholder Liaison

May 14, 2013

Ms. Donna Pantaleo
Samboney Enterprises LLC
3614 Lakeside Drive
Williamstown, NJ 08094

Re: WASTE MATERIAL DISPOSAL APPROVAL
ID13 – Bulky – PCB contaminated Wood Block Flooring

Dear Ms. Pantaleo:

The Gloucester County Solid Waste Complex agrees with the conditions as listed below to accept the referenced waste material providing that the incoming load(s) for disposal is consistent with the waste material description data supplied on April 30, 2013.

GENERATOR NAME: Mana Art Center LLC Property, 50 Dey Street, Jersey City, NJ
WASTE MATERIAL NAME: PCB Contaminated Wood Block Flooring
WASTE MATERIAL ORIGIN: Hudson, NJ
QUANTITY: __300-500____ TONS
FREQUENCY: YEAR ___ MONTH _____ ONE TIME DISPOSAL ___X___
REGISTERED HAULER NAME: R & B Debris

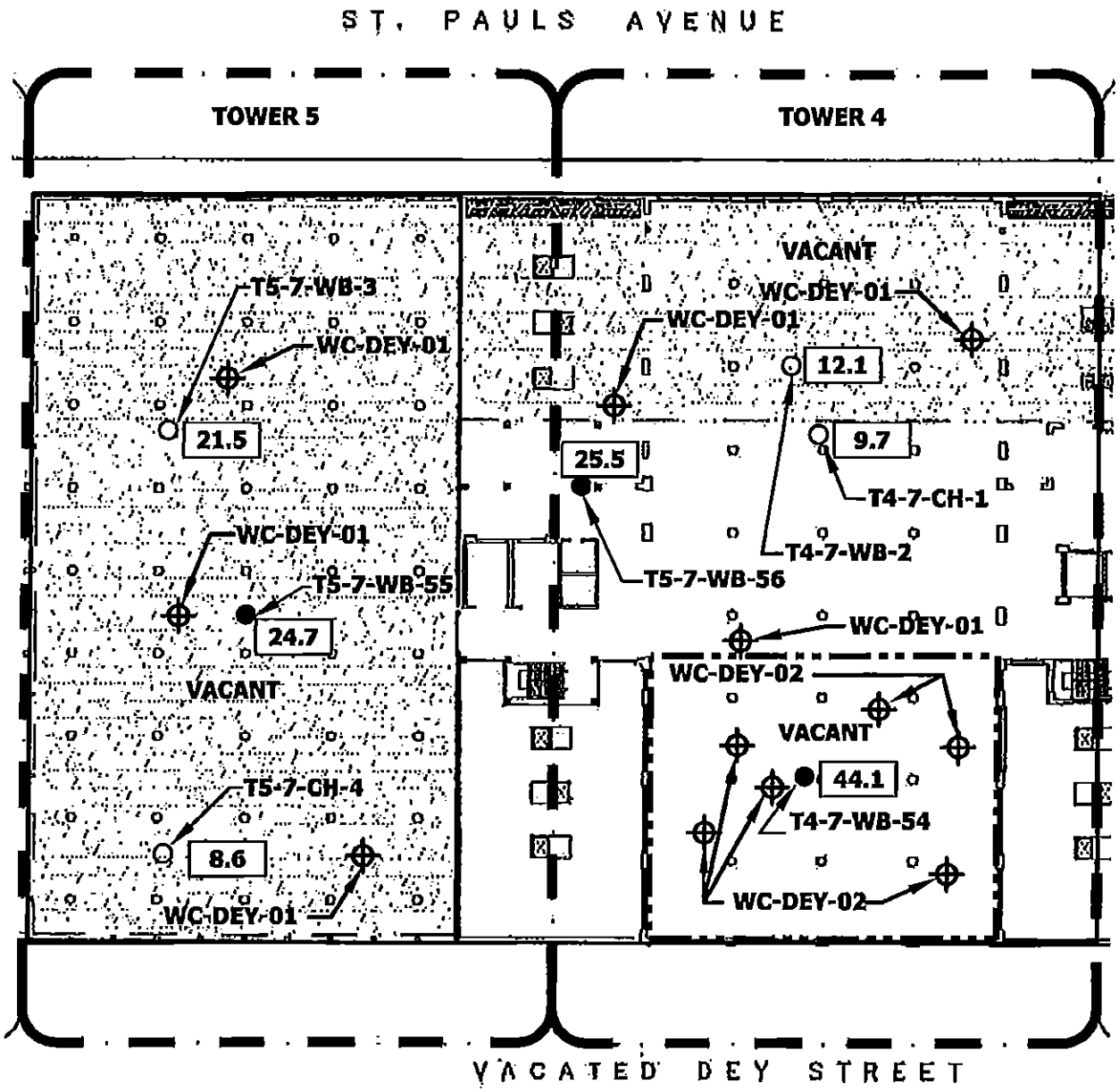
IMPORTANT INFORMATION: The GCSWC is open Monday through Friday from 7:30 AM to 3:30 PM for disposal of waste type of ID13. A properly registered NJDEP solid waste hauler must transport the material. A bill of lading must accompany each load. An escrow account shall be established by the generator or hauler prior to disposal of the waste material with the Authority. If an account is not already established please contact at 856/423-5318 ext. 102.

The GCSWC reserves the right to terminate disposal approvals temporarily and/or permanently if waste material appears to be inconsistent with the material description data provided, consistency does not meet the GCSWC acceptable standards, if additional information is required or for other reasons in the best interest of the authority.

If you have any questions, please do not hesitate to contact me at (856) 478-6045 ext 25.

Very truly yours,

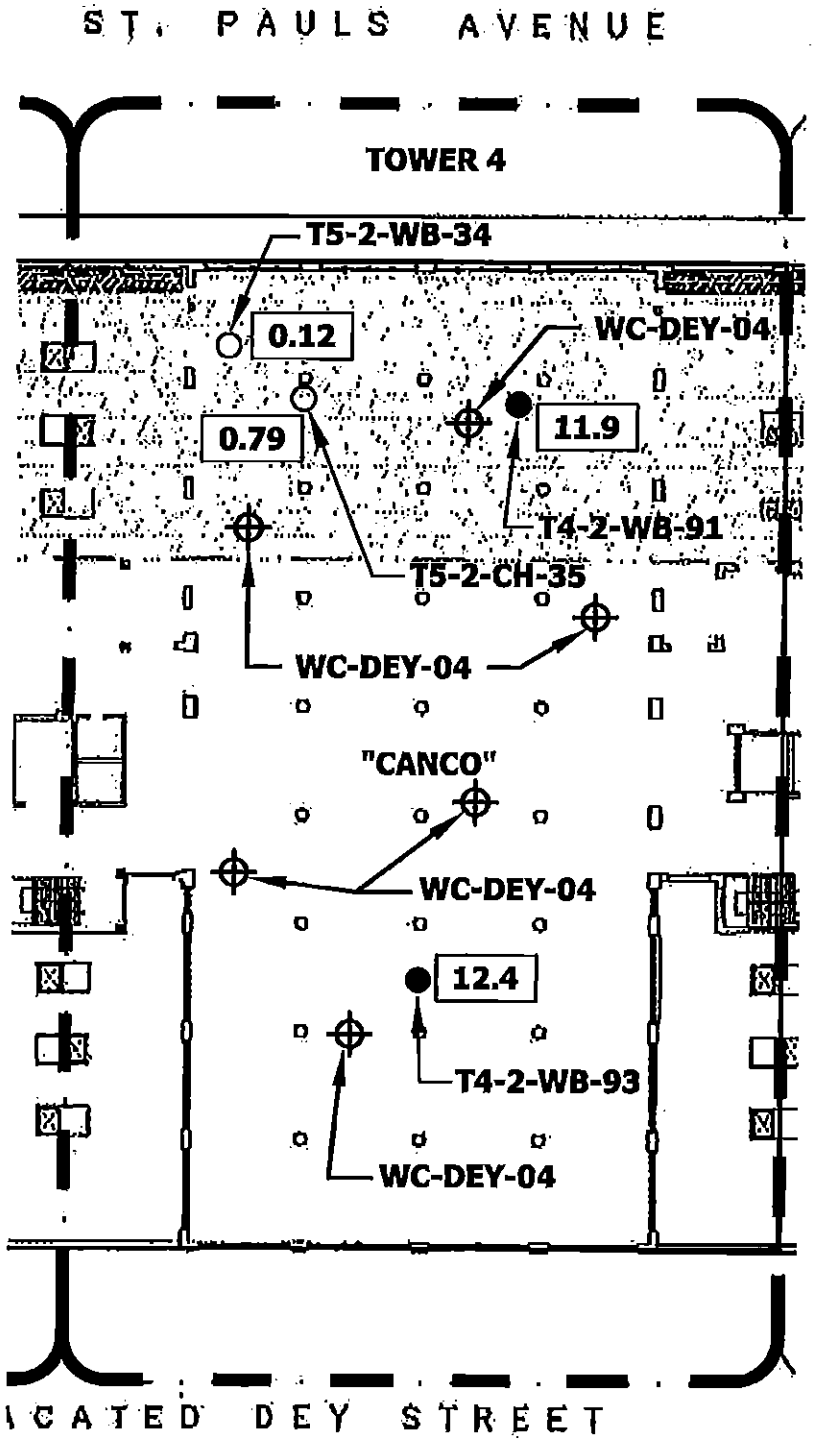
Kimberly Faustino
Environmental Specialist



LEGEND:

- WASTE CHARACTERIZATION 6-POINT COMPOSITE LOCATION
- PCB SAMPLING LOCATION (SEPTEMBER 2012)
- PCB SAMPLING LOCATION (NOVEMBER 2012)
- PCB SAMPLING LOCATION (JANUARY 2013)
- 21.5 PCB CONCENTRATION (MG/KG)

50 DEY STREET COMPLEX JERSEY CITY, NEW JERSEY	
FIGURE A	PROJECT #12038
PRE-REMEDIATION WASTE CHARACTERIZATION COMPOSITE SAMPLE LOCATION PLAN WC-DEY-01 AND WC-DEY-02 SEVENTH FLOOR - TOWERS 4 AND 5	
PHASE II PLAN SUBMITTAL SELF-IMPLEMENTING PCB REMEDIATION PLAN FEBRUARY 2013	
KEYSTONE E-SCIENCES GROUP FRAZER, PENNSYLVANIA	



LEGEND:

- WASTE CHARACTERIZATION 6-POINT COMPOSITE LOCATION
- PCB SAMPLING LOCATION (SEPTEMBER 2012)
- PCB SAMPLING LOCATION (NOVEMBER 2012)
- PCB SAMPLING LOCATION (JANUARY 2013)
- 21.5 PCB CONCENTRATION (MG/KG)

50 DEY STREET COMPLEX JERSEY CITY, NEW JERSEY	
FIGURE C	PROJECT #12038
PRE-REMEDIATION WASTE CHARACTERIZATION COMPOSITE SAMPLE LOCATION PLAN WC-DEY-04 SECOND FLOOR – TOWER 4	
PHASE II PLAN SUBMITTAL SELF-IMPLEMENTING PCB REMEDIATION PLAN FEBRUARY 2013	
KEYSTONE E-SCIENCES GROUP FRAZER, PENNSYLVANIA	

ALS Environmental

34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

February 1, 2013

Mr. Dan Erdman
Keystone E-Sciences Group, Inc.
590 East Lancaster Ave.
Suite 200
Malvern, PA 19355

Certificate of Analysis

Project Name:	2013MJY-50 DEY ST JERSEY CITY	Workorder:	1008010
Purchase Order:	130114012	Workorder ID:	KKS007|50 Dey Street-PCB

Dear Mr. Erdman,

Enclosed are the analytical results for samples received by the laboratory on Thursday, January 17, 2013.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Susan Scherer (Project Coordinator) or Anna G Milliken (Technical Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALS' NELAP accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Technical Manager

ALS Environmental

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SAMPLE SUMMARY

Workorder: 1008010 KKS007|50 Dey Street-PCB

Discard Date: 02/15/2013

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
1008010001	WC-Dey-01	Other	1/16/13 11:00	1/17/13 21:15	Dan Erdman
1008010002	WC-Dey-02	Other	1/16/13 10:35	1/17/13 21:15	Dan Erdman
~~1008010003~~	~~WC-Dey-03~~ 6th Floor - Not Included In Bid Package	~~Other~~	~~1/16/13 10:40~~	~~1/17/13 21:15~~	~~Dan Erdman~~

Workorder Comments:

This certificate of analysis was modified to include the chain of custody as part of the analytical report. SJS 02/01/13

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - Indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 1008010 KKS007/50 Dey Street-PCB

Lab ID: 1008010001 Date Collected: 1/16/2013 11:00 Matrix: Other

Sample ID: WC-Dey-01 Date Received: 1/17/2013 21:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
TCLP VOLATILE ORGANICS											
Benzene	9.1J	ug/L		20.0	8.0	SW846 8260B			1/22/13 19:28	DRS	A
2-Butanone	200 U	ug/L		200	60.0	SW846 8260B			1/22/13 19:28	DRS	A
Carbon Tetrachloride	20.0 U	ug/L		20.0	4.0	SW846 8260B			1/22/13 19:28	DRS	A
Chlorobenzene	20.0 U	ug/L		20.0	4.0	SW846 8260B			1/22/13 19:28	DRS	A
Chloroform	20.0 U	ug/L		20.0	4.0	SW846 8260B			1/22/13 19:28	DRS	A
1,2-Dichloroethane	20.0 U	ug/L		20.0	4.0	SW846 8260B			1/22/13 19:28	DRS	A
1,1-Dichloroethene	20.0 U	ug/L		20.0	4.0	SW846 8260B			1/22/13 19:28	DRS	A
Tetrachloroethene	20.0 U	ug/L		20.0	8.0	SW846 8260B			1/22/13 19:28	DRS	A
Trichloroethene	20.0 U	ug/L		20.0	4.0	SW846 8260B			1/22/13 19:28	DRS	A
Vinyl Chloride	20.0 U	ug/L		20.0	4.0	SW846 8260B			1/22/13 19:28	DRS	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	107	%		62-133		SW846 8260B			1/22/13 19:28	DRS	A
4-Bromofluorobenzene (S)	93.6	%		79-114		SW846 8260B			1/22/13 19:28	DRS	A
Dibromofluoromethane (S)	105	%		78-116		SW846 8260B			1/22/13 19:28	DRS	A
Toluene-d8 (S)	124	%		76-127		SW846 8260B			1/22/13 19:28	DRS	A
WET CHEMISTRY											
Corrosivity as pH	4.84	pH_Units	1			SW846 9045D			1/18/13 03:02	MSA	A
Cyanide, Reactive	0.015J	ppm		10.3	0.011	SW-846 7.3CN	1/21/13	NJA	1/21/13 11:09	KLR	A
Free Liquids	Negative					SW846 9095			1/22/13 08:20	SDL	A
Ignitability	Not Ignitable		2			SW846 1030			1/22/13 07:00	SDL	A
Sulfide, Reactive	6.4 U	ppm		6.4	1.3	SW846 7.3	1/21/13	NJA	1/21/13 11:00	NJA	A
TCLP METALS											
Arsenic, Total	0.039J	mg/L		0.056	0.018	SW846 6010C	1/21/13	MNP	1/28/13 14:17	SRT	A1
Barium, Total	0.33	mg/L		0.022	0.0072	SW846 6010C	1/21/13	MNP	1/28/13 14:17	SRT	A1
Cadmium, Total	0.43	mg/L		0.0044	0.0015	SW846 6010C	1/21/13	MNP	1/28/13 14:17	SRT	A1
Chromium, Total	0.045	mg/L		0.011	0.0040	SW846 6010C	1/21/13	MNP	1/28/13 14:17	SRT	A1
Lead, Total	0.73	mg/L		0.013	0.0044	SW846 6010C	1/21/13	MNP	1/28/13 14:17	SRT	A1
Mercury, Total	0.0020 U	mg/L		0.0020	0.00066	SW846 7470A	1/22/13	MNP	1/22/13 11:57	MNP	A2
Selenium, Total	0.044 U	mg/L		0.044	0.015	SW846 6010C	1/21/13	MNP	1/28/13 14:17	SRT	A1
Silver, Total	0.0089 U	mg/L		0.0089	0.0028	SW846 6010C	1/21/13	MNP	1/28/13 14:17	SRT	A1
TCLP SEMI-VOLATILES											
mp-Cresol	4130	ug/L		160	10.4	SW846 8270D	1/23/13	GEC	1/24/13 19:10	DHF	A
o-Cresol	1860	ug/L		160	16.6	SW846 8270D	1/23/13	GEC	1/24/13 19:10	DHF	A
1,4-Dichlorobenzene	60.0 U	ug/L		60.0	7.6	SW846 8270D	1/23/13	GEC	1/24/13 19:10	DHF	A
2,4-Dinitrotoluene	60.0 U	ug/L		60.0	9.0	SW846 8270D	1/23/13	GEC	1/24/13 19:10	DHF	A
Hexachlorobenzene	60.0 U	ug/L		60.0	7.8	SW846 8270D	1/23/13	GEC	1/24/13 19:10	DHF	A

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ANALYTICAL RESULTS

Workorder: 1008010 KKS007|50 Dey Street-PCB

Lab ID: 1008010001 Date Collected: 1/16/2013 11:00 Matrix: Other

Sample ID: WC-Dey-01 Date Received: 1/17/2013 21:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
Hexachlorobutadiene	60.0 U	ug/L		60.0	8.0	SW846 8270D	1/23/13	GEC	1/24/13 19:10	DHF	A
Hexachloroethane	60.0 U	ug/L		60.0	9.8	SW846 8270D	1/23/13	GEC	1/24/13 19:10	DHF	A
Nitrobenzene	60.0 U	ug/L		60.0	16.6	SW846 8270D	1/23/13	GEC	1/24/13 19:10	DHF	A
Pentachlorophenol	320 U	ug/L		320	52.0	SW846 8270D	1/23/13	GEC	1/24/13 19:10	DHF	A
Pyridine	40.3J	ug/L		160	10.0	SW846 8270D	1/23/13	GEC	1/24/13 19:10	DHF	A
2,4,5-Trichlorophenol	160 U	ug/L		160	12.0	SW846 8270D	1/23/13	GEC	1/24/13 19:10	DHF	A
2,4,6-Trichlorophenol	160 U	ug/L		160	10.2	SW846 8270D	1/23/13	GEC	1/24/13 19:10	DHF	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	87.4	%		40-126		SW846 8270D	1/23/13	GEC	1/24/13 19:10	DHF	A
2-Fluorobiphenyl (S)	76.3	%		50-110		SW846 8270D	1/23/13	GEC	1/24/13 19:10	DHF	A
2-Fluorophenol (S)	53.9	%		20-75		SW846 8270D	1/23/13	GEC	1/24/13 19:10	DHF	A
Nitrobenzene-d5 (S)	69.2	%		40-110		SW846 8270D	1/23/13	GEC	1/24/13 19:10	DHF	A
Phenol-d5 (S)	35.7	%		13-49		SW846 8270D	1/23/13	GEC	1/24/13 19:10	DHF	A
Terphenyl-d14 (S)	99.2	%		50-122		SW846 8270D	1/23/13	GEC	1/24/13 19:10	DHF	A

Sample Comments:

Anna G Milliken
Technical Manager

ALS Environmental

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ANALYTICAL RESULTS

Workorder: 1008010 KKS007|50 Dey Street-PCB

Lab ID: 1008010002 Date Collected: 1/16/2013 10:35 Matrix: Other

Sample ID: WC-Dey-02 Date Received: 1/17/2013 21:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
TCLP VOLATILE ORGANICS											
Benzene	20.0 U	ug/L		20.0	8.0	SW846 8260B			1/22/13 20:01	DRS	A
2-Butanone	200 U	ug/L		200	60.0	SW846 8260B			1/22/13 20:01	DRS	A
Carbon Tetrachloride	20.0 U	ug/L		20.0	4.0	SW846 8260B			1/22/13 20:01	DRS	A
Chlorobenzene	20.0 U	ug/L		20.0	4.0	SW846 8260B			1/22/13 20:01	DRS	A
Chloroform	20.0 U	ug/L		20.0	4.0	SW846 8260B			1/22/13 20:01	DRS	A
1,2-Dichloroethane	20.0 U	ug/L		20.0	4.0	SW846 8260B			1/22/13 20:01	DRS	A
1,1-Dichloroethene	20.0 U	ug/L		20.0	4.0	SW846 8260B			1/22/13 20:01	DRS	A
Tetrachloroethene	20.0 U	ug/L		20.0	8.0	SW846 8260B			1/22/13 20:01	DRS	A
Trichloroethene	20.0 U	ug/L		20.0	4.0	SW846 8260B			1/22/13 20:01	DRS	A
Vinyl Chloride	20.0 U	ug/L		20.0	4.0	SW846 8260B			1/22/13 20:01	DRS	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	108	%		62-133		SW846 8260B			1/22/13 20:01	DRS	A
4-Bromofluorobenzene (S)	92.9	%		79-114		SW846 8260B			1/22/13 20:01	DRS	A
Dibromofluoromethane (S)	105	%		78-116		SW846 8260B			1/22/13 20:01	DRS	A
Toluene-d8 (S)	131	%	4	76-127		SW846 8260B			1/22/13 20:01	DRS	A
WET CHEMISTRY											
Corrosivity as pH	4.80	pH_Units	3			SW846 9045D			1/18/13 03:04	MSA	A
Cyanide, Reactive	10 U	ppm		10	0.011	SW-846 7.3CN	1/21/13	NJA	1/21/13 11:09	KLR	A
Free Liquids	Negative					SW846 9095			1/22/13 08:20	SDL	A
Ignitability	Not ignitable		2			SW846 1030			1/22/13 07:00	SDL	A
Sulfide, Reactive	6.2 U	ppm		6.2	1.2	SW846 7.3	1/21/13	NJA	1/21/13 11:00	NJA	A
TCLP METALS											
Arsenic, Total	0.054J	mg/L		0.056	0.016	SW846 6010C	1/21/13	MNP	1/28/13 14:21	SRT	A1
Barium, Total	0.21	mg/L		0.022	0.0072	SW846 6010C	1/21/13	MNP	1/28/13 14:21	SRT	A1
Cadmium, Total	0.16	mg/L		0.0044	0.0015	SW846 6010C	1/21/13	MNP	1/28/13 14:21	SRT	A1
Chromium, Total	0.10	mg/L		0.011	0.0040	SW846 6010C	1/21/13	MNP	1/28/13 14:21	SRT	A1
Lead, Total	0.74	mg/L		0.013	0.0044	SW846 6010C	1/21/13	MNP	1/28/13 14:21	SRT	A1
Mercury, Total	0.0020 U	mg/L		0.0020	0.00066	SW846 7470A	1/22/13	MNP	1/22/13 11:58	MNP	A2
Selenium, Total	0.044 U	mg/L		0.044	0.015	SW846 6010C	1/21/13	MNP	1/28/13 14:21	SRT	A1
Silver, Total	0.0089 U	mg/L		0.0089	0.0028	SW846 6010C	1/21/13	MNP	1/28/13 14:21	SRT	A1
TCLP SEMI-VOLATILES											
mp-Cresol	167	ug/L		160	10.4	SW846 8270D	1/23/13	GEC	1/24/13 18:07	DHF	A
o-Cresol	44.0J	ug/L		160	16.6	SW846 8270D	1/23/13	GEC	1/24/13 18:07	DHF	A
1,4-Dichlorobenzene	60.0 U	ug/L		60.0	7.6	SW846 8270D	1/23/13	GEC	1/24/13 18:07	DHF	A
2,4-Dinitrotoluene	60.0 U	ug/L		60.0	9.0	SW846 8270D	1/23/13	GEC	1/24/13 18:07	DHF	A
Hexachlorobenzene	60.0 U	ug/L		60.0	7.8	SW846 8270D	1/23/13	GEC	1/24/13 18:07	DHF	A

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ANALYTICAL RESULTS

Workorder: 1008010 KKS007|50 Dey Street-PCB

Lab ID: 1008010002 Date Collected: 1/16/2013 10:35 Matrix: Other

Sample ID: WC-Dey-02 Date Received: 1/17/2013 21:15

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
Hexachlorobutadiene	60.0 U	ug/L		60.0	8.0	SW846 8270D	1/23/13	GEC	1/24/13 18:07	DHF	A
Hexachloroethane	60.0 U	ug/L		60.0	9.8	SW846 8270D	1/23/13	GEC	1/24/13 18:07	DHF	A
Nitrobenzene	60.0 U	ug/L		60.0	16.6	SW846 8270D	1/23/13	GEC	1/24/13 18:07	DHF	A
Pentachlorophenol	320 U	ug/L		320	52.0	SW846 8270D	1/23/13	GEC	1/24/13 18:07	DHF	A
Pyridine	160 U	ug/L		160	10.0	SW846 8270D	1/23/13	GEC	1/24/13 18:07	DHF	A
2,4,6-Trichlorophenol	160 U	ug/L		160	12.0	SW846 8270D	1/23/13	GEC	1/24/13 18:07	DHF	A
2,4,6-Trichlorophenol	160 U	ug/L		160	10.2	SW846 8270D	1/23/13	GEC	1/24/13 18:07	DHF	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	104	%		40-125		SW846 8270D	1/23/13	GEC	1/24/13 18:07	DHF	A
2-Fluorobiphenyl (S)	80.3	%		50-110		SW846 8270D	1/23/13	GEC	1/24/13 18:07	DHF	A
2-Fluorophenol (S)	67.9	%		20-75		SW846 8270D	1/23/13	GEC	1/24/13 18:07	DHF	A
Nitrobenzene-d5 (S)	88.6	%		40-110		SW846 8270D	1/23/13	GEC	1/24/13 18:07	DHF	A
Phenol-d5 (S)	40.4	%		13-49		SW846 8270D	1/23/13	GEC	1/24/13 18:07	DHF	A
Terphenyl-d14 (S)	107	%		50-122		SW846 8270D	1/23/13	GEC	1/24/13 18:07	DHF	A

Sample Comments:

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 1008010 KKS007|50 Dey Street-PCB

PARAMETER QUALIFIERS\FLAGS

[1] The solid pH measured in water was 4.844 at 20.9 degrees C.

[2] According to Pa/USEPA regulations, this sample is not considered to be ignitable. (Ref 40 CFR 261.21)

[3] The solid pH measured in water was 4.801 at 21.2 degrees C.

[4] The surrogate Toluene-d8 for method SW846 8260B was outside of control limits. The % Recovery was reported as 131 and the control limits were 76 to 127. This result was reported at a dilution of 20.

[5] The solid pH measured in water was 5.842 at 21.0 degrees C.

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Co. Name: Keystone E-Sciences Group
Contact: Dan Erdman Phone: 610-461-4001
Address: 590 E. Lancaster Ave, Ste 200 Frazer, Pennsylvania 19355

Project Name/#: 50 Dey Street - PCB
PO#: 130114612
ALS Quote #:

Sample Description/Location

	Sample Date	Military Time	Enter Number of Containers Per Analysis	COC Comments
1 WC-Dey-01	1/17/13	1100		
2 WC-Dey-02	1/17/13	1034		
3 WC-Dey-03	1/17/13	1148		
4				
5				
6 #3 - 1 liter Glass Jars				
7 PER SAMPLE, EMAIL A				
8 6-Point Composite				

ANALYSIS/METHOD REQUESTED: Paint Filter; RCRA Characteristics; TCLP Metals; TCLP SVOCs; TCLP VOCs

Relinquished By/Company Name: Dan Erdman / Keystone
Date: 1/17 Time: 1311

Received By/Company Name: Cinnamon Rouse
Date: 1/17 Time: 1311

Relinquished By/Company Name: Cinnamon Rouse
Date: 1-17 Time: 2115

Received By/Company Name:
Date: Time:

SAMPLED BY (Please Print): Dan Erdman

Data Deliverables: Standard; CLP-like; NJ-Reduced; NJ-Full; Other

Site Specific Criteria: NJ; NY; PA; MD

ALS FIELD SERVICES: Pickup; Labor; Composite Sampling; Permit Equipment; Other

Page 1 of 1

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February 6, 2013

Mr. Dan Erdman
Keystone E-Sciences Group, Inc.
590 East Lancaster Ave.
Suite 200
Malvern, PA 19355

Certificate of Analysis

Project Name:	2013MJY-50 DEY ST JERSEY CITY	Workorder:	1009044
Purchase Order:	130114012	Workorder ID:	KKS008|50 Dey Street-PCB

Dear Mr. Erdman,

Enclosed are the analytical results for samples received by the laboratory on Thursday, January 24, 2013.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Susan Scherer (Project Coordinator) or Anna G Milliken (Technical Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALS' NELAP accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

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This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Technical Manager

ALS Environmental

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SAMPLE SUMMARY

Workorder: 1009044 KKS008|50 Dey Street-PCB

Discard Date: 02/20/2013

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
1009044001	WC-DEY-04	Other	1/23/13 11:05	1/24/13 21:00	Dan Erdman

Workorder Comments:

Notes

- -- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- -- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- -- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- -- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- -- The Chain of Custody document is included as part of this report.
- -- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- -- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 1009044 KKS008|50 Dey Street-PCB

Lab ID: 1009044001 Date Collected: 1/23/2013 11:05 Matrix: Other

Sample ID: WC-DEY-04 Date Received: 1/24/2013 21:00

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
TCLP VOLATILE ORGANICS											
Benzene	100 U	ug/L		100	40.0	SW846 8260B			1/28/13 15:15	DRS	A
2-Butanone	1000 U	ug/L		1000	300	SW846 8260B			1/28/13 15:15	DRS	A
Carbon Tetrachloride	100 U	ug/L		100	20.0	SW846 8260B			1/28/13 15:15	DRS	A
Chlorobenzene	100 U	ug/L		100	20.0	SW846 8260B			1/28/13 15:15	DRS	A
Chloroform	54.6J	ug/L		100	20.0	SW846 8260B			1/28/13 15:15	DRS	A
1,2-Dichloroethane	100 U	ug/L		100	20.0	SW846 8260B			1/28/13 15:15	DRS	A
1,1-Dichloroethene	100 U	ug/L		100	20.0	SW846 8260B			1/28/13 15:15	DRS	A
Tetrachloroethene	100 U	ug/L		100	40.0	SW846 8260B			1/28/13 15:15	DRS	A
Trichloroethene	100 U	ug/L		100	20.0	SW846 8260B			1/28/13 15:15	DRS	A
Vinyl Chloride	100 U	ug/L		100	20.0	SW846 8260B			1/28/13 15:15	DRS	A
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	98.7	%		62-133		SW846 8260B			1/28/13 15:15	DRS	A
4-Bromofluorobenzene (S)	80.5	%		79-114		SW846 8260B			1/28/13 15:15	DRS	A
Dibromofluoromethane (S)	96.1	%		78-116		SW846 8260B			1/28/13 15:15	DRS	A
Toluene-d8 (S)	94.7	%		76-127		SW846 8260B			1/28/13 15:15	DRS	A
WET CHEMISTRY											
Corrosivity as pH	4.93	pH_Units	1			SW846 9045D			1/25/13 03:32	MSA	A
Cyanide, Reactive	10.1 U	ppm		10.1	0.011	SW-846 7.3CN	2/1/13	LMM	2/1/13 15:33	SYB	A4
Free Liquids	Negative					SW846 9095			2/4/13 09:45	SDL	A
Ignitability	Not Ignitable		2			SW846 1030			2/6/13 08:05	SDL	A
Sulfide, Reactive	2.4J	ppm		6.3	1.3	SW846 7.3	2/1/13	LMM	2/1/13 16:00	LMM	A5
TCLP METALS											
Arsenic, Total	0.034J	mg/L		0.056	0.018	SW846 6010C	1/29/13	KMK	1/29/13 10:39	SRT	A2
Barium, Total	0.39	mg/L		0.022	0.0072	SW846 6010C	1/29/13	KMK	1/29/13 10:39	SRT	A2
Cadmium, Total	0.031	mg/L		0.0044	0.0015	SW846 6010C	1/29/13	KMK	1/29/13 10:39	SRT	A2
Chromium, Total	0.050	mg/L		0.011	0.0040	SW846 6010C	1/29/13	KMK	1/29/13 10:39	SRT	A2
Lead, Total	0.89	mg/L		0.013	0.0044	SW846 6010C	1/29/13	KMK	1/29/13 10:39	SRT	A2
Mercury, Total	0.0020 U	mg/L		0.0020	0.00066	SW846 7470A	1/29/13	MNP	1/29/13 14:31	MNP	A3
Selenium, Total	0.023J	mg/L		0.044	0.015	SW846 6010C	1/29/13	KMK	1/29/13 10:39	SRT	A2
Silver, Total	0.0089 U	mg/L		0.0089	0.0028	SW846 6010C	1/29/13	KMK	1/29/13 10:39	SRT	A2
TCLP SEMI-VOLATILES											
mp-Cresol	11800	ug/L		800		SW846 8270D			2/5/13 07:21	CGS	A1
o-Cresol	5430	ug/L		800		SW846 8270D			2/5/13 07:21	CGS	A1
1,4-Dichlorobenzene	60.0 U	ug/L		60.0	7.6	SW846 8270D	1/28/13	BKS	1/30/13 00:52	DHF	A1
2,4-Dinitrotoluene	60.0 U	ug/L		60.0	9.0	SW846 8270D	1/28/13	BKS	1/30/13 00:52	DHF	A1
Hexachlorobenzene	60.0 U	ug/L		60.0	7.8	SW846 8270D	1/28/13	BKS	1/30/13 00:52	DHF	A1

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ANALYTICAL RESULTS

Workorder: 1009044 KKS008|50 Dey Street-PCB

Lab ID: 1009044001 Date Collected: 1/23/2013 11:05 Matrix: Other

Sample ID: WC-DEY-04 Date Received: 1/24/2013 21:00

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
Hexachlorobutadiene	60.0 U	ug/L		60.0	8.0	SW846 8270D	1/28/13	BKS	1/30/13 00:52	DHF	A1
Hexachloroethane	60.0 U	ug/L		60.0	9.8	SW846 8270D	1/28/13	BKS	1/30/13 00:52	DHF	A1
Nitrobenzene	60.0 U	ug/L		60.0	16.6	SW846 8270D	1/28/13	BKS	1/30/13 00:52	DHF	A1
Pentachlorophenol	320 U	ug/L		320	52.0	SW846 8270D	1/28/13	BKS	1/30/13 00:52	DHF	A1
Pyridine	168	ug/L		160	10.0	SW846 8270D	1/28/13	BKS	1/30/13 00:52	DHF	A1
2,4,5-Trichlorophenol	160 U	ug/L		160	12.0	SW846 8270D	1/28/13	BKS	1/30/13 00:52	DHF	A1
2,4,6-Trichlorophenol	160 U	ug/L		160	10.2	SW846 8270D	1/28/13	BKS	1/30/13 00:52	DHF	A1
Surrogate Recoveries	*Results*	*Units*	*Footnotes*	*Limits*		*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	104	%		40-125		SW846 8270D	1/28/13	BKS	1/30/13 00:52	DHF	A1
2-Fluorobiphenyl (S)	68.8	%		50-110		SW846 8270D	1/28/13	BKS	1/30/13 00:52	DHF	A1
2-Fluorophenol (S)	54.7	%		20-75		SW846 8270D	1/28/13	BKS	1/30/13 00:52	DHF	A1
Nitrobenzene-d5 (S)	78.4	%		40-110		SW846 8270D	1/28/13	BKS	1/30/13 00:52	DHF	A1
Phenol-d5 (S)	38.6	%		13-49		SW846 8270D	1/28/13	BKS	1/30/13 00:52	DHF	A1
Terphenyl-d14 (S)	92.2	%		50-122		SW846 8270D	1/28/13	BKS	1/30/13 00:52	DHF	A1

Sample Comments:

Anna G Milliken
Technical Manager

ALS Environmental

34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 1009044 KKS008|50 Dey Street-PCB

PARAMETER QUALIFIERS\FLAGS

[1] The solid pH measured in water was 4.928 at 19.7 degrees C.

[2] According to Pa/USEPA regulations, this sample is not considered to be ignitable. (Ref 40 CFR 261.21)

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT
SAMPLER INSTRUCTIONS ON REVERSE

ALS Environmental • Ship to: 34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax: 717.944.1430

Co. Name: KEYSTONE E-SCIENCES GROUP, INC.
Contact (Report to): DAN ERDMAN Phone: 610-407-4002
Address: 590 E. LANCASTER AVE, SUITE 200 FRAZER, PA 19355
Bill to (if different than above):
PO#:
Project Name/#: 50 BEY STREET - PCBs ALS Quote #: 130114012
Turn: Normal/Standard TAT is 10 business days. Date Required:
Rush-Subject to ALS approval and surcharges. Approved By:
Email? Y
Fax? Y No.

Page 1 of 1
Cooler:
Tracking #:

Sample Description/Location (as it will appear on the lab report)	Sample Date	Military Time	COC Comments	Enter Number of Containers Per Analysis	ANALYSIS/METHOD REQUESTED
1 UK-BEY-04	23 JAN 2013	1105		X	PAINT FILTER
2				X	RCRA CHARACTERISTICS
3				X	TCLP METALS
4				X	TCLP SVOCS
5				X	TCLP VOCS
6					
7					
8					

Cooler Temp: 3°C
No. of Coolers: 1
Notes:

Circle appropriate Y or N.			
Custody seals Present?	Y	Y	
Custody seals Intact?	Y	N	
Correct container?	Y	N	
Correct sample volume?	Y	N	
Correct preservation?	Y	N	
Headspace/Volatiles?	Y	N	
COC/Labels complete/accurate?	Y	N	
Received on Ice?	Y	N	
Contained in good condition?	Y	N	

ALS FIELD SERVICES: Filter, Labor, Composite Sampling, Rental Equipment, Other

Data Deliverables: Standard, CLP-like, NJ-Reduced, NJ-Full, Type/Format Other
EDD Formats: Type/Format Other
State Sample Collected In: NJ, NY, PA, MD
Data Submitted To: NJ, NY, PA, MD

SAMPLED BY (Please Print): DAN ERDMAN / STEVE WALKER

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1			2		
3	1/24/13	1890	4	1/24/13	1890
5	1/24/13	1400	6	1-24-13	1400
7 Beverly Wolverton	1-24-13		8		
9	1-24	2100	10		

RELINQUISHED BY (Sampler): DAN ERDMAN
RECEIVED BY (Sampler): STEVE WALKER
Data Delivered To: Other
Data Delivered By: Other
Other Comments Required?

Rev 02/11

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY
* Grab; C=Composite
**Matrix: A=Air; DW=Drinking Water; GW=Groundwater; S=Soil; CL=Cake; L=Liquid; SL=Sludge; SO=Solid; WP=Wipe; Other=specify
***Container Type: J=Amber Glass; CG=Clear Glass; P=Plastic. Container Size: 250ml, 500ml, 1L, 8oz, etc. Preservative: HCL, HNO3, NaOH, etc.

ATTACHMENT B

SUMMARY OF WOOD BLOCK PCB CONCENTRATIONS
7TH AND 2ND FLOORS
(all concentrations mg/kg)

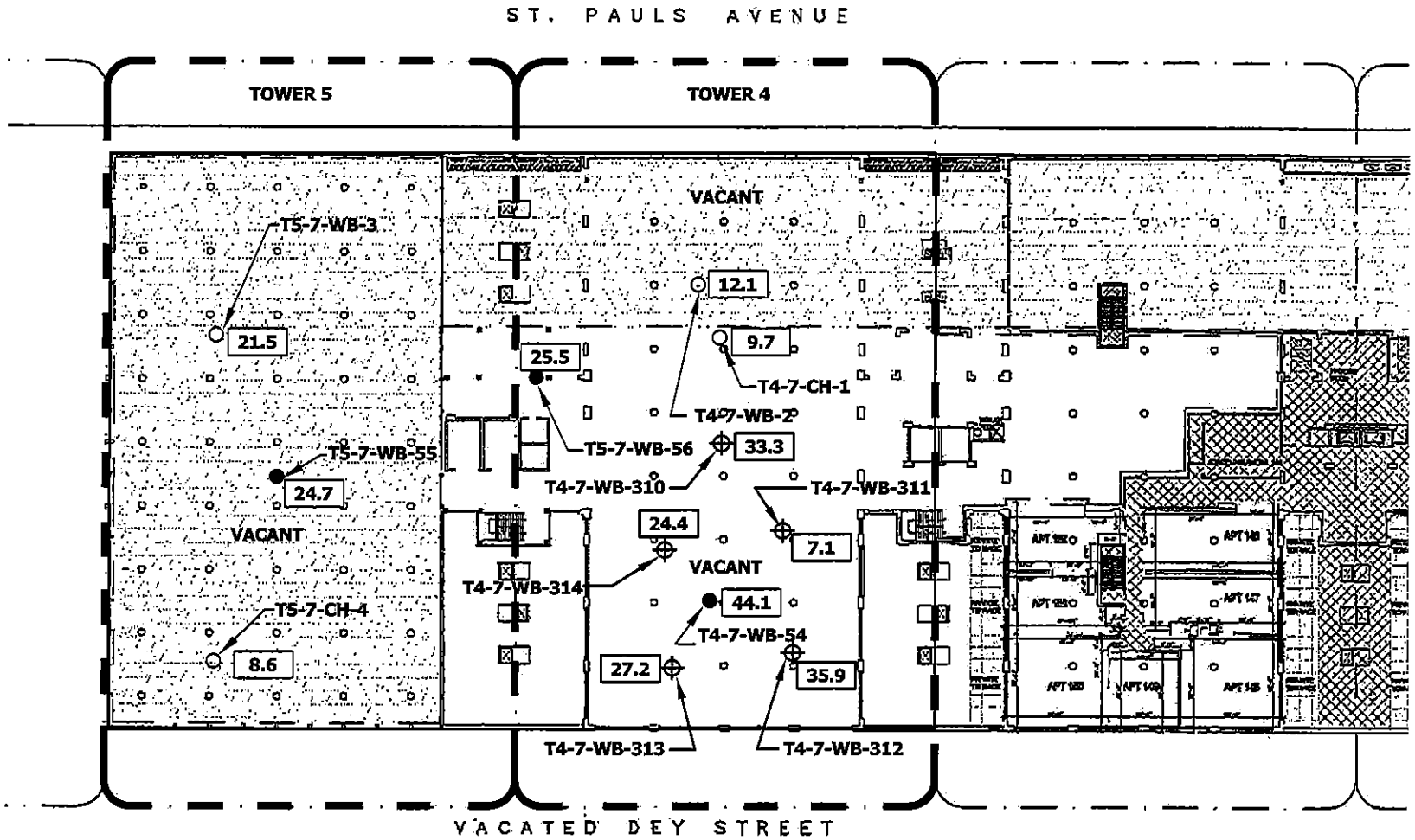
Seventh Floor:

Sample ID:	T4-7-WB-2	T5-7-WB-3	T4-7-WB-54	T5-7-WB-55	T5-7-WB-56	T4-7-WB-310	T4-7-WB-311	T4-7-WB-312	T4-7-WB-313	T4-7-WB-314	RDCSRS	NRDCSRS
Sample Date:	27-Sep-12	27-Sep-12	12-Nov-12	12-Nov-12	12-Nov-12	18-Apr-13	18-Apr-13	18-Apr-13	18-Apr-13	18-Apr-13		
Total PCBs	***12.1***	***21.5***	***44.1***	***24.7***	***25.5***	***33.3***	***7.1***	***35.9***	***27.2***	***24.4***	0.2	1.0
Aroclor-1016	ND (1.7)	ND (1.7)	ND (2.1)	ND (1.0)	ND (2.1)	ND (2.0)	ND (0.49)	ND (1.1)	ND (1.3)	ND (1.0)	0.2	1.0
Aroclor-1221	ND (1.7)	ND (1.7)	ND (2.1)	ND (1.0)	ND (2.1)	ND (2.0)	ND (0.49)	ND (1.1)	ND (1.3)	ND (1.0)	0.2	1.0
Aroclor-1232	ND (1.7)	ND (1.7)	ND (2.1)	ND (1.0)	ND (2.1)	ND (2.0)	ND (0.49)	ND (1.1)	ND (1.3)	ND (1.0)	0.2	1.0
Aroclor-1242	ND (1.7)	ND (1.7)	ND (2.1)	ND (1.0)	ND (2.1)	ND (2.0)	ND (0.49)	ND (1.1)	ND (1.3)	ND (1.0)	0.2	1.0
Aroclor-1248	ND (1.7)	ND (1.7)	ND (2.1)	ND (1.0)	ND (2.1)	***6.1***	ND (0.49)	***4***	***5.2***	***4.3***	0.2	1.0
Aroclor-1254	***12.1***	***14.4***	***44.1***	***24.7***	***25.5***	***27.2***	***7.1***	***31.9***	***22***	***20.1***	0.2	1.0
Aroclor-1260	ND (1.7)	7.2	ND (2.1)	ND (1.0)	ND (2.1)	ND (2.0)	ND (0.49)	ND (1.1)	ND (1.3)	ND (1.0)	0.2	1.0

Second Floor:

Sample ID:	T5-2-WB-34	T4-2-WB-37	T4-2-WB-91	T4-2-WB-93	T5-2-WB-230	T5-2-WB-231	T5-2-WB-232				RDCSRS	NRDCSRS
Sample Date:	28-Sep-12	28-Sep-12	12-Nov-12	12-Nov-12	23-Jan-13	23-Jan-13	23-Jan-13					
Total PCBs	***12***	***1.9***	***11.9***	***12.4***	***6.4***	***1.1***	***1.6***				0.2	1.0
Aroclor-1016	ND (3.5)	ND (0.058)	ND (1.0)	ND (1.0)	ND (0.17)	ND (0.17)	ND (0.17)				0.2	1.0
Aroclor-1221	ND (3.5)	ND (0.058)	ND (1.0)	ND (1.0)	ND (0.17)	ND (0.17)	ND (0.17)				0.2	1.0
Aroclor-1232	ND (3.5)	ND (0.058)	ND (1.0)	ND (1.0)	ND (0.17)	ND (0.17)	ND (0.17)				0.2	1.0
Aroclor-1242	ND (3.5)	ND (0.058)	ND (1.0)	ND (1.0)	***0.51***	***0.37***	***0.3***				0.2	1.0
Aroclor-1248	ND (3.5)	ND (0.058)	***1.5***	***2.4***	ND (0.17)	ND (0.17)	ND (0.17)				0.2	1.0
Aroclor-1254	ND (3.5)	***1.3***	***6.2***	***6.5***	***3.2***	***0.48***	***0.78***				0.2	1.0
Aroclor-1260	***12***	***0.57***	***4.2***	***3.6***	***2.7***	***0.23***	***0.52***				0.2	1.0

RDCSRS Residential Direct Contact Soil Remediation Standard
NRDCSRS Non-Residential Direct Contact Soil Remediation Standard
ND (0.033) Not Detected (Laboratory Reporting Limit)
9.7 Bold Italics Indicates an Exceedance of RDCSRS; Shaded Indicates Exceedance of NRDCSRS



LEGEND:

- ○ PCB SAMPLING LOCATION (SEPTEMBER 2012)
- ● PCB SAMPLING LOCATION (NOVEMBER 2012)
- ⊗ PCB SAMPLING LOCATION (JANUARY 2013)
- ⊕ PCB SAMPLING LOCATION (APRIL 2013)
- 21.5 PCB CONCENTRATION (MG/KG)

NOTES:

(1) NOT TO SCALE.

(2) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES SEPTEMBER THROUGH NOVEMBER 2012.

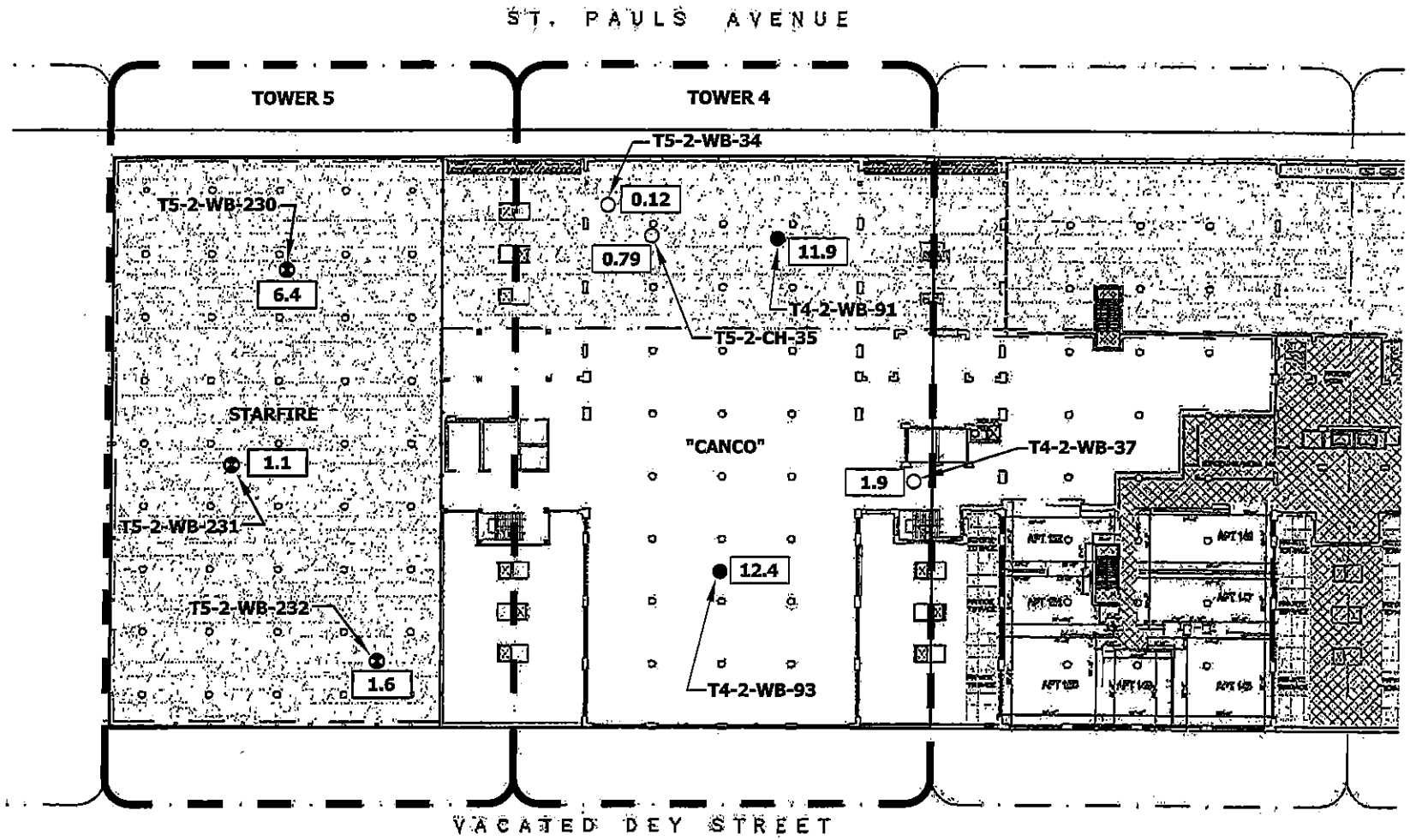
50 DEY STREET COMPLEX
JERSEY CITY, NEW JERSEY

FIGURE 10	PROJECT #12038

SUMMARY OF PRE–REMEDIATION
WOOD BLOCK PCB CONCENTRATIONS
SEVENTH FLOOR – TOWERS 4 AND 5

PHASE II PLAN SUBMITTAL
SELF–IMPLEMENTING PCB REMEDIATION PLAN
MAY 2013

KEYSTONE E-SCIENCES GROUP
FRAZER, PENNSYLVANIA



LEGEND:

- ○ PCB SAMPLING LOCATION (SEPTEMBER 2012)
- ● PCB SAMPLING LOCATION (NOVEMBER 2012)
- ⊗ PCB SAMPLING LOCATION (JANUARY 2013)
- 21.5 PCB CONCENTRATION (MG/KG)

NOTES:

(1) NOT TO SCALE.

(2) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES SEPTEMBER THROUGH NOVEMBER 2012.

50 DEY STREET COMPLEX
JERSEY CITY, NEW JERSEY

FIGURE 15	PROJECT #12038

SUMMARY OF PRE–REMEDIATION
WOOD BLOCK PCB CONCENTRATIONS
SECOND FLOOR – TOWERS 4 AND 5

PHASE II PLAN SUBMITTAL
SELF–IMPLEMENTING PCB REMEDIATION PLAN
FEBRUARY 2013

KEYSTONE E-SCIENCES GROUP
FRAZER, PENNSYLVANIA

APPENDIX F

KES July 2013 2nd Floor & 7th Floor and Ceiling Concrete Samples

A

ST. PAULS AVENUE

TOWER 5

TOWER 4

7-CLG-26-CH
7-CLG-42-CH
7-CLG-35-CH
7-CLG-07-CH
7-CLG-08-WP
7-CLG-06-WP
7-CLG-43-WP
VACANT
7-CLG-36-WP
7-CLG-27-WP
7-CLG-30-CH
7-CLG-28-CH
7-CLG-09-CH
7-CLG-10-WP
7-CLG-40-WP
7-CLG-44-WP
7-CLG-41-CH
7-CLG-25-WP
7-CLG-05-WP
7-CLG-38-CH
7-CLG-37-WP
7-CLG-34-CH
7-CLG-04-WP
7-CLG-31-WP
7-CLG-11-CH
7-CLG-39-WP
WALL
7-CLG-29-WP
7-CLG-03-WP
7-CLG-49-CH
7-CLG-50-CH
7-CLG-24-CH
7-CLG-02-CH
7-CLG-32-CH
7-CLG-01-WP
7-CLG-15-CH
7-CLG-47-CH
7-CLG-48-CH
7-CLG-23-CH
7-CLG-51-CH
7-CLG-16-WP
VACANT
7-CLG-22-CH
VACANT
7-CLG-59-WP
7-CLG-17-WP
7-CLG-14-CH
7-CLG-54-CH
7-CLG-12-CH
7-CLG-56-WP
7-CLG-52 & 53-CH (DUP)
7-CLG-46-CH
7-CLG-13-CH
7-CLG-55-WP
7-CLG-57 & 58-WP (DUP)
7-CLG-18-WP
7-CLG-45-CH
7-CLG-21-WP
7-CLG-19-WP
7-CLG-33-WP
7-CLG-20-WP

VACATED DEY STREET

LEGEND:

● CEILING SAMPLE LOCATION

"CH" CONCRETE CHIP SAMPLE

"WP" WIPE SAMPLE

* NOTE: 7-CLG-54-CH LOCATION TO BE FIELD VERIFIED

0 20 40 80 120

SCALE IN FEET (APPROXIMATE)

NOTES:

(1) BASE MAP DEVELOPED FROM "50 DEY-MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E-SCIENCES

DRAFT 16 JULY 2013

50 DEY STREET COMPLEX

JERSEY CITY, NEW JERSEY

FIGURE * A | PROJECT #12038

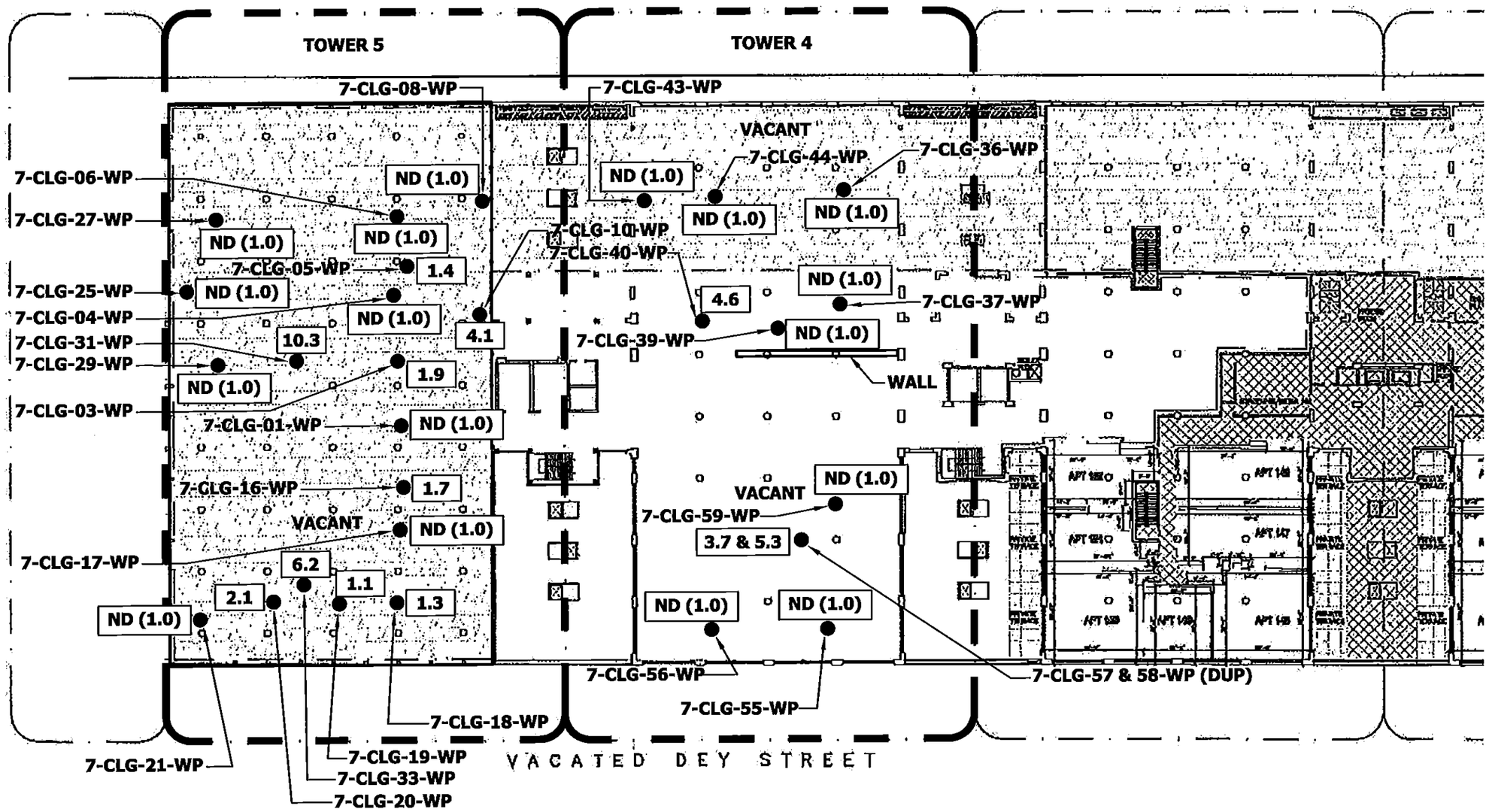
CEILING SAMPLE LOCATIONS
SEVENTH FLOOR – TOWERS 4 AND 5

XXX 2013

KEYSTONE E-SCIENCES GROUP

FRAZER, PENNSYLVANIA

B



LEGEND:

● CEILING SAMPLE LOCATION

"WP" WIPE SAMPLE

2.1 PCB CONCENTRATION (ug/100cm^2)

ND(1.0) NOT DETECTED (REPORTING LIMIT)

0 20 40 80 120

SCALE IN FEET (APPROXIMATE)

NOTES:

(1) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES

DRAFT 16 July 2013

50 DEY STREET COMPLEX JERSEY CITY, NEW JERSEY	
FIGURE * B	PROJECT #12038
WIPE CEILING SAMPLE RESULTS SEVENTH FLOOR – TOWERS 4 AND 5	
DRAFT XXX 2013	
KEYSTONE E-SCIENCES GROUP FRAZER, PENNSYLVANIA	

C

ST. PAULS AVENUE

TOWER 5

TOWER 4

7-CLG-26-CH 25.4

7-CLG-07-CH 6.5

7-CLG-42-CH 6.1

VACANT

7-CLG-35-CH 3.4

50.2

7-CLG-30-CH

7-CLG-09-CH

7-CLG-28-CH 6.3

18.5

8.8

7-CLG-41-CH

7-CLG-38-CH 0.72

7-CLG-34-CH 6.7

WALL

1.9

7-CLG-11-CH

31.0

7-CLG-02-CH 4.7

7-CLG-49-CH 0.21

4.3

7-CLG-50-CH 7.4

4.8

7-CLG-24-CH

7-CLG-32-CH

7-CLG-15-CH

7-CLG-47-CH

7-CLG-48-CH

7-CLG-23-CH 12.4

7-CLG-51-CH

14.4

VACANT

2.3

4.6

VACANT

7-CLG-22-CH 22.3

8.6

1.0

18.4/13.2

4.7

7-CLG-14-CH

35.5

7-CLG-13-CH

9.2

7-CLG-54-CH

7.2

7-CLG-12-CH

7-CLG-52 & 53-CH (DUP)

7-CLG-46-CH

7-CLG-45-CH

VACATED DEY STREET

LEGEND:

● CEILING SAMPLE LOCATION

"CH" CONCRETE CHIP SAMPLE

6.5 PCB CONCENTRATION (MG/KG)

0 20 40 80 120

SCALE IN FEET (APPROXIMATE)

NOTES:

(1) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES

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50 DEY STREET COMPLEX

JERSEY CITY, NEW JERSEY

FIGURE ~~5~~ C	PROJECT #12038

CONCRETE CHIP CEILING SAMPLE RESULTS
SEVENTH FLOOR – TOWERS 4 AND 5

DRAFT
XXX 2013

KEYSTONE E-SCIENCES GROUP

FRAZER, PENNSYLVANIA

D

ST. PAULS AVENUE

TOWER 5

TOWER 4

7-PX-FLR-11

7-PX-FLR-07

VACANT

7-PX-FLR-12

7-PX-FLR-05

7-PX-FLR-17

7-PX-FLR-06

7-PX-FLR-10

7-PX-FLR-08

7-PX-FLR-13

7-PX-FLR-04

7-PX-FLR-16

7-PX-FLR-03

7-PX-FLR-09

VACANT

VACANT

7-PX-FLR-01

7-PX-FLR-14

7-PX-FLR-15

7-PX-FLR-02

VACATED DEY STREET

LEGEND:

● SAMPLE LOCATION

0 20 40 80 120

SCALE IN FEET (APPROXIMATE)

NOTES:

(1) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES

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50 DEY STREET COMPLEX

JERSEY CITY, NEW JERSEY

FIGURE ~~E~~ D	PROJECT #12038

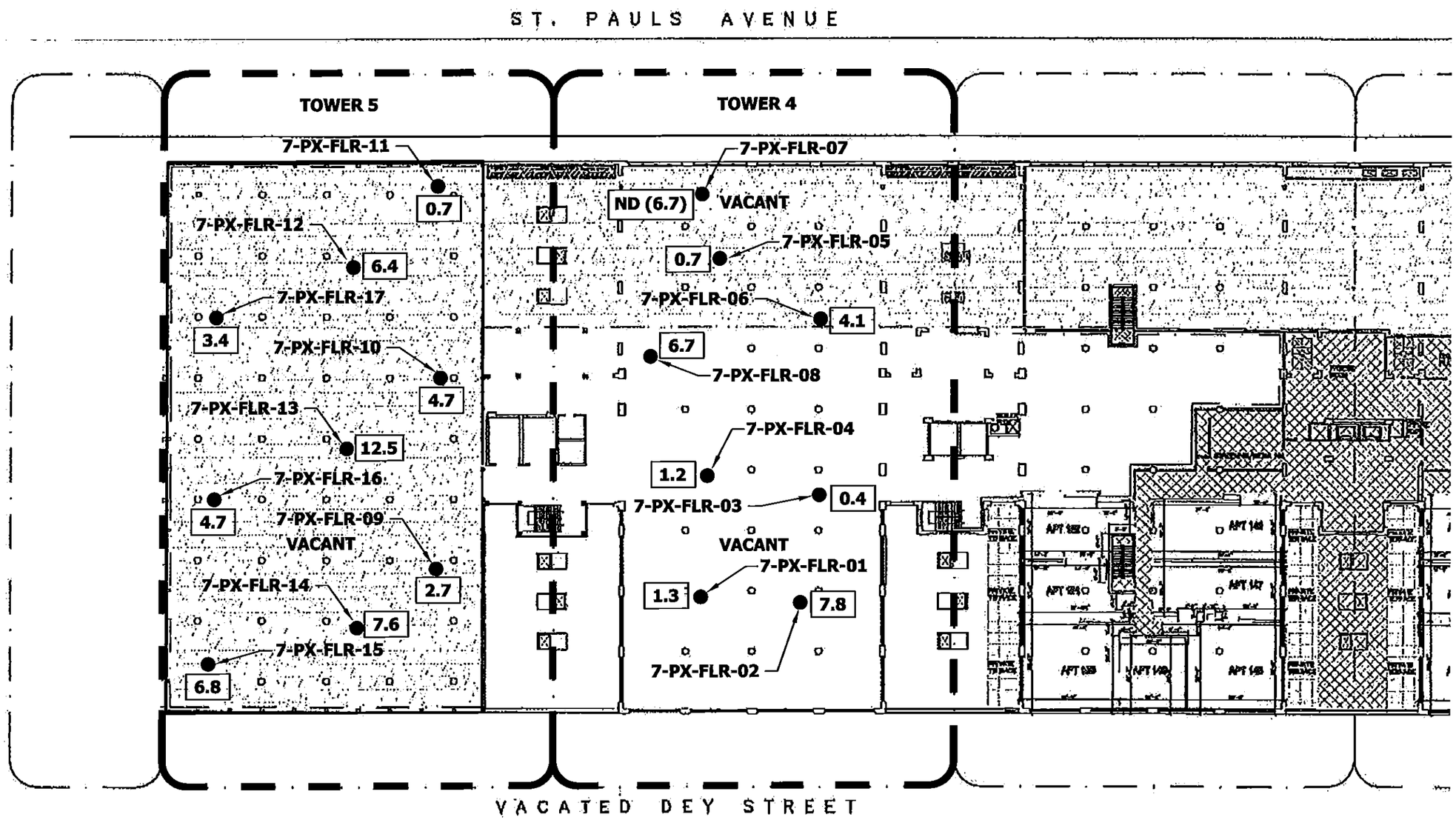
POST WOOD BLOCK REMOVAL CONCRETE FLOOR SAMPLE LOCATIONS
SEVENTH FLOOR – TOWERS 4 AND 5

XXX 2013

KEYSTONE E-SCIENCES GROUP

FRAZER, PENNSYLVANIA

E



LEGEND:

● SAMPLE LOCATION

4.1 PCB CONCENTRATION (MG/KG)

0 20 40 80 120

SCALE IN FEET (APPROXIMATE)

NOTES:

(1) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES.

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50 DEY STREET COMPLEX

JERSEY CITY, NEW JERSEY

FIGURE E	PROJECT #12038

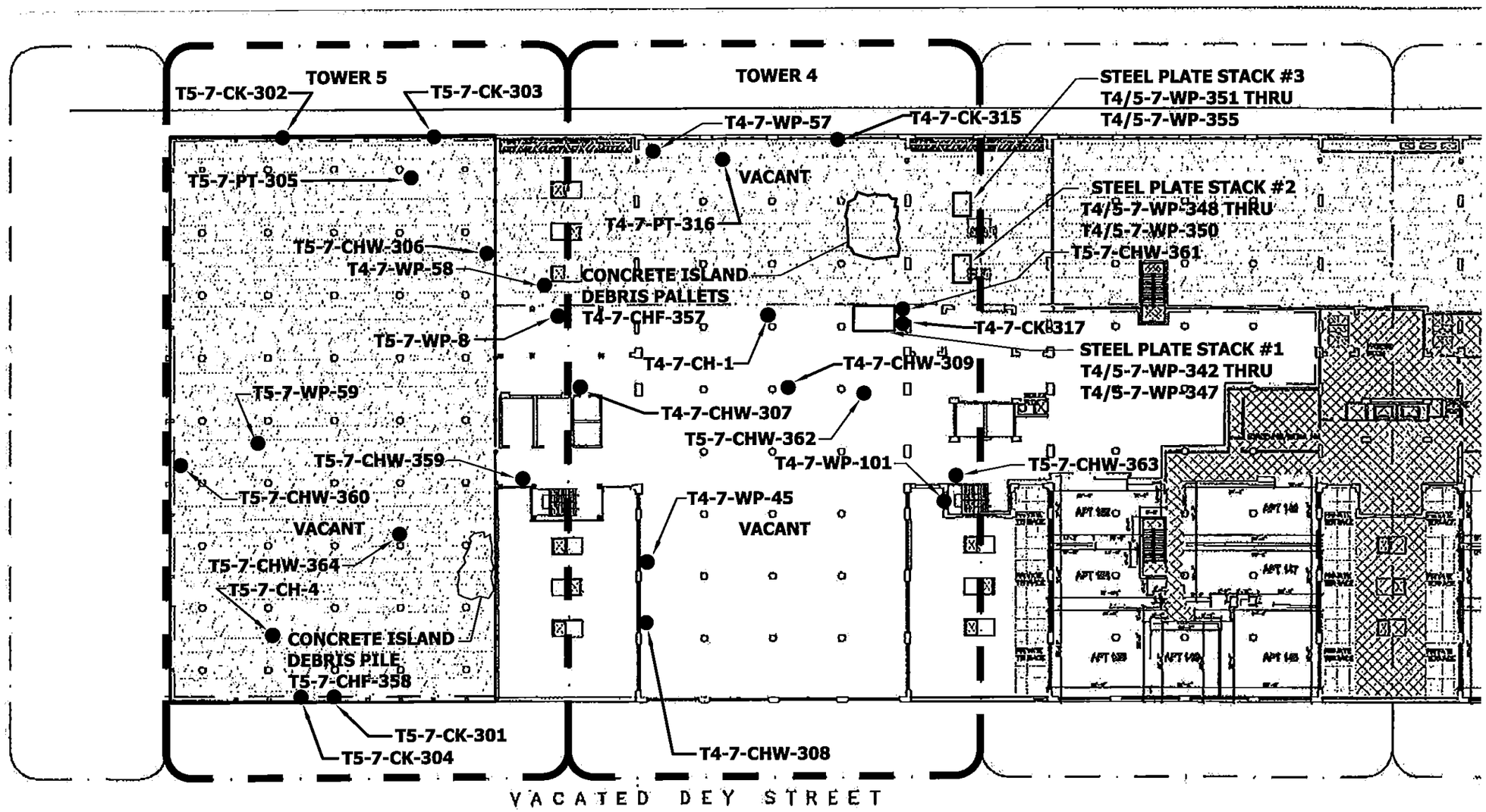
POST WOOD BLOCK REMOVAL CONCRETE FLOOR SAMPLE PCB RESULTS
SEVENTH FLOOR – TOWERS 4 AND 5

XXX 2013

KEYSTONE E-SCIENCES GROUP

FRAZER, PENNSYLVANIA

F



LEGEND:

● NON–WOOD BLOCK BUILDING MATERIAL CHARACTERIZATION LOCATION

0 20 40 80 120

SCALE IN FEET (APPROXIMATE)

NOTES:

(1) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES

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50 DEY STREET COMPLEX

JERSEY CITY, NEW JERSEY

FIGURE ~~2~~ F	PROJECT #12038

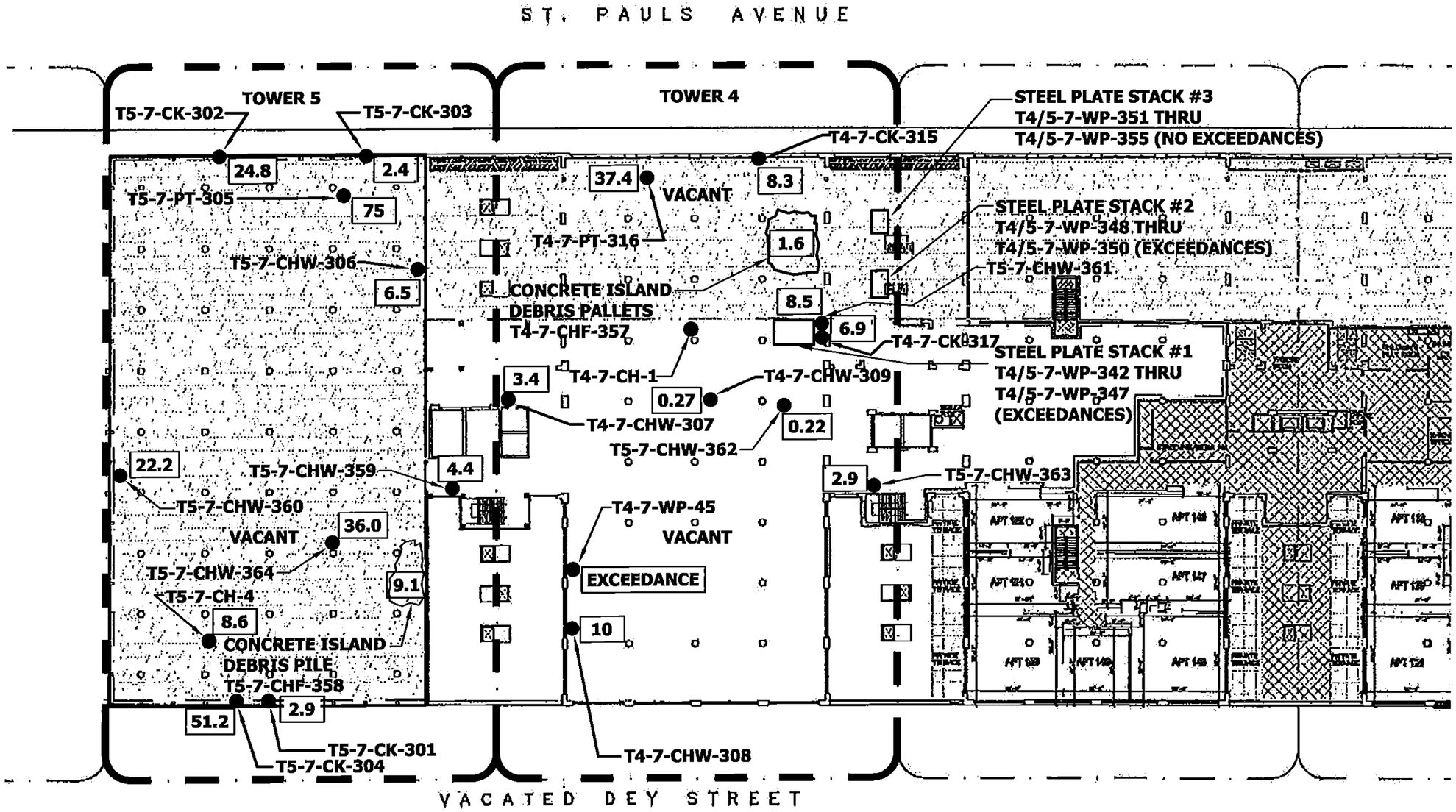
BUILDING MATERIAL CHARACTERIZATION
SAMPLE LOCATION PLAN (NON–WOOD BLOCK)
SEVENTH FLOOR – TOWERS 4 AND 5

SUPPLEMENTAL SIRP
XXX 2013

KEYSTONE E-SCIENCES GROUP

FRAZER, PENNSYLVANIA

G



LEGEND:

● NON-WOOD BLOCK BUILDING MATERIAL CHARACTERIZATION LOCATION

8.3 PCB CONCENTRATION (MG/KG)

0 20 40 80 120

SCALE IN FEET (APPROXIMATE)

NOTES:

(1) BASE MAP DEVELOPED FROM "50 DEY-MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E-SCIENCES

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50 DEY STREET COMPLEX

JERSEY CITY, NEW JERSEY

FIGURE ~~3~~ G	PROJECT #12038

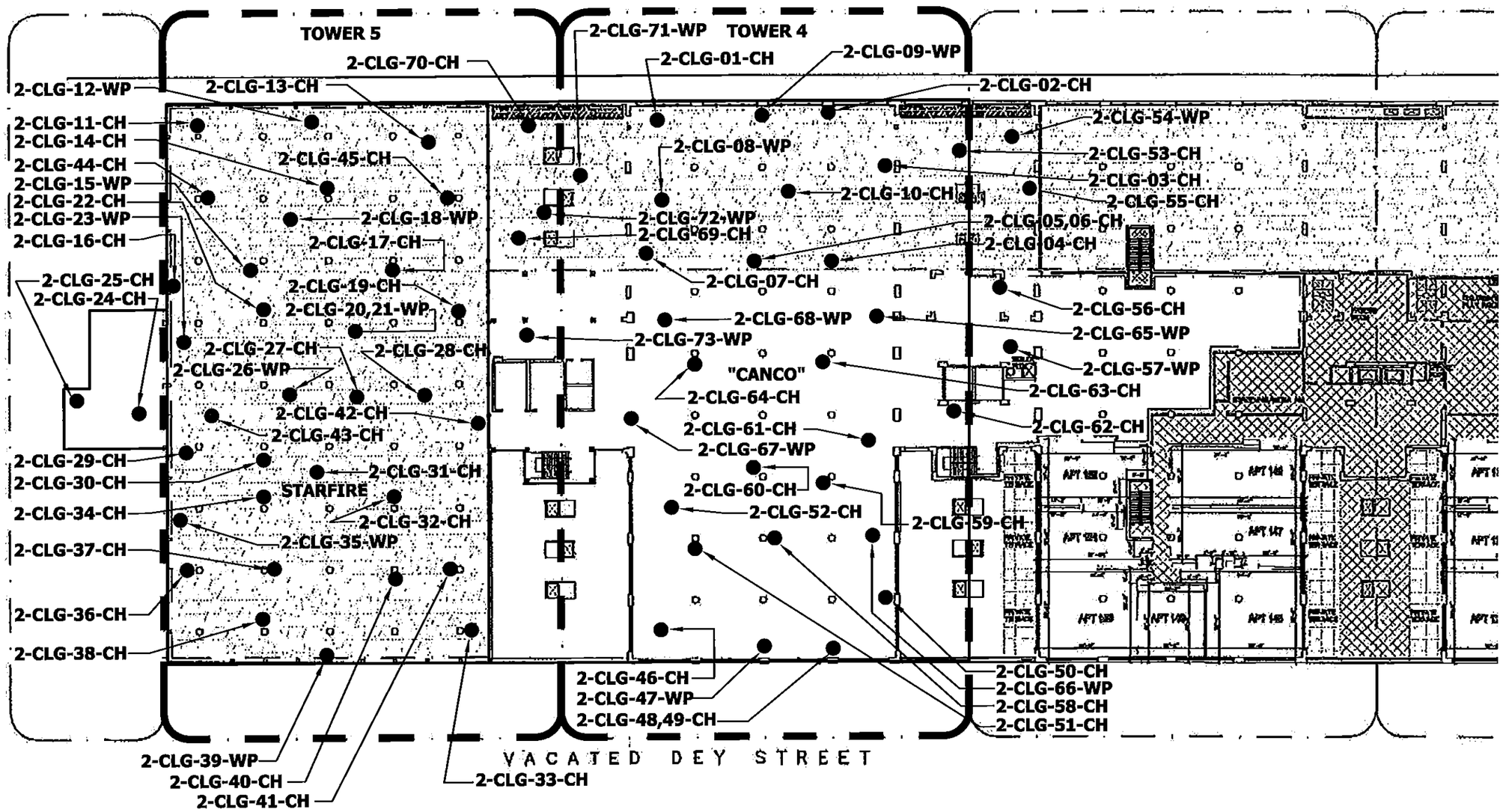
BUILDING MATERIAL CHARACTERIZATION
SAMPLE PCB RESULTS (NON-WOOD BLOCK)
SEVENTH FLOOR – TOWERS 4 AND 5

SUPPLEMENTAL SIRP
XXX 2013

KEYSTONE E-SCIENCES GROUP

FRAZER, PENNSYLVANIA

(H)



LEGEND:

● CEILING SAMPLE LOCATION

"CH" CONCRETE CHIP SAMPLE

"WP" WIPE SAMPLE

0 20 40 80 120

SCALE IN FEET (APPROXIMATE)

NOTES:

(1) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES

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50 DEY STREET COMPLEX

JERSEY CITY, NEW JERSEY

FIGURE H	PROJECT #12038

CEILING SAMPLE LOCATIONS
SECOND FLOOR – TOWERS 4 AND 5

XXX 2013

KEYSTONE E-SCIENCES GROUP

FRAZER, PENNSYLVANIA

I

ST. PAULS AVENUE

TOWER 5

TOWER 4

2-CLG-12-WP

2-CLG-71-WP

2-CLG-09-WP

2-CLG-54-WP

2-CLG-08-WP

2-CLG-15-WP

2-CLG-23-WP

2-CLG-18-WP

2-CLG-72-WP

2-CLG-20,21-WP

2-CLG-68-WP

2-CLG-65-WP

2-CLG-73-WP

2-CLG-57-WP

"CANCO"

2-CLG-26-WP

2-CLG-67-WP

STARFIRE

2-CLG-35-WP

2-CLG-47-WP

2-CLG-66-WP

2-CLG-39-WP

ND (1.0)

ND (1.0)/ND (1.0)

VACATED DEY STREET

LEGEND:

● CEILING SAMPLE LOCATION

"WP" WIPE SAMPLE

2.1 PCB CONCENTRATION (ug/100cm^2)

ND(1.0) NOT DETECTED (REPORTING LIMIT)

0 20 40 80 120

SCALE IN FEET (APPROXIMATE)

NOTES:

(1) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES

DRAFT - 16 JULY 2013

50 DEY STREET COMPLEX

JERSEY CITY, NEW JERSEY

FIGURE I	PROJECT #12038

WIPE CEILING SAMPLE RESULTS
SECOND FLOOR – TOWERS 4 AND 5

DRAFT
XXX 2013

KEYSTONE E-SCIENCES GROUP

FRAZER, PENNSYLVANIA

J

ST. PAULS AVENUE

TOWER 5

TOWER 4

2-CLG-70-CH
2-CLG-01-CH
2-CLG-13-CH
2-CLG-02-CH
2-CLG-11-CH
2-CLG-14-CH
2-CLG-44-CH
2-CLG-45-CH
2-CLG-22-CH
2-CLG-16-CH
2-CLG-17-CH
2-CLG-25-CH
2-CLG-24-CH
2-CLG-19-CH
2-CLG-27-CH
2-CLG-28-CH
2-CLG-42-CH
2-CLG-43-CH
2-CLG-29-CH
2-CLG-30-CH
2-CLG-31-CH
STARFIRE
2-CLG-34-CH
2-CLG-32-CH
2-CLG-37-CH
2-CLG-36-CH
2-CLG-38-CH
2-CLG-69-CH
2-CLG-10-CH
2-CLG-53-CH
2-CLG-03-CH
2-CLG-55-CH
2-CLG-05,06-CH
2-CLG-04-CH
2-CLG-07-CH
2-CLG-56-CH
"CANCO"
2-CLG-64-CH
2-CLG-63-CH
2-CLG-61-CH
2-CLG-62-CH
2-CLG-60-CH
2-CLG-52-CH
2-CLG-59-CH
2-CLG-46-CH
2-CLG-48,49-CH
2-CLG-50-CH
2-CLG-58-CH
2-CLG-51-CH
2-CLG-40-CH
2-CLG-41-CH
2-CLG-33-CH

0.18 | 0.49 | 0.07 | 0.53 | 0.46 | 0.68 | 0.70 | 0.25 | 0.42 | 0.36 | 0.65 | 0.88 | 7.0 | 0.48 | 0.07/0.31 | 0.13 | ND (0.03) | 0.55 | 0.03 | 0.26 | 0.57 | 0.65 | 0.86 | 1.0 | 0.41 | 0.04 | 0.30 | 0.37 | 0.48 | 0.49 | 0.06 | 0.67 | 1.3 | 0.63 | 0.52 | 0.25 | 1.3 | 0.71 | 0.41 | 1.2 | 0.57 | 0.65 | 0.56 | 0.67 | 0.54 | 0.50 | 0.58 | 0.44 | 0.71 | 0.81/0.78

VACATED DEY STREET

LEGEND:

● CEILING SAMPLE LOCATION

"CH" CONCRETE CHIP SAMPLE

1.0 PCB CONCENTRATION (MG/KG)

0 20 40 80 120

SCALE IN FEET (APPROXIMATE)

NOTES:

(1) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES

DRAFT - 16 JULY 2013

50 DEY STREET COMPLEX

JERSEY CITY, NEW JERSEY

FIGURE ~~E~~ J	PROJECT #12038

CONCRETE CHIP CEILING SAMPLE RESULTS
SECOND FLOOR – TOWERS 4 AND 5

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XXX 2013

KEYSTONE E-SCIENCES GROUP

FRAZER, PENNSYLVANIA

(K)

ST. PAULS AVENUE

TOWER 5

TOWER 4

2-PX-FLR-04

2-PX-FLR-10

2-PX-FLR-22

2-PX-FLR-03

2-PX-FLR-02

2-PX-FLR-23

2-PX-FLR-05/06

2-PX-FLR-21

2-PX-FLR-07

2-PX-FLR-20

STARFIRE

"CANCO"

2-PX-FLR-12

2-PX-FLR-19

2-PX-FLR-08

2-PX-FLR-15/16

2-PX-FLR-13

2-PX-FLR-18

2-PX-FLR-14

2-PX-FLR-17

2-PX-FLR-11

2-PX-FLR-01

2-PX-FLR-09

VACATED DEY STREET

LEGEND:

● SAMPLE LOCATION

NOTE: 4 ADDITIONAL CONCRETE FLOOR SAMPLES TO BE COLLECTED ON OR ABOUT 18 JULY

0 20 40 80 120

SCALE IN FEET (APPROXIMATE)

NOTES:

(1) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES

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50 DEY STREET COMPLEX

JERSEY CITY, NEW JERSEY

FIGURE K	PROJECT #12038

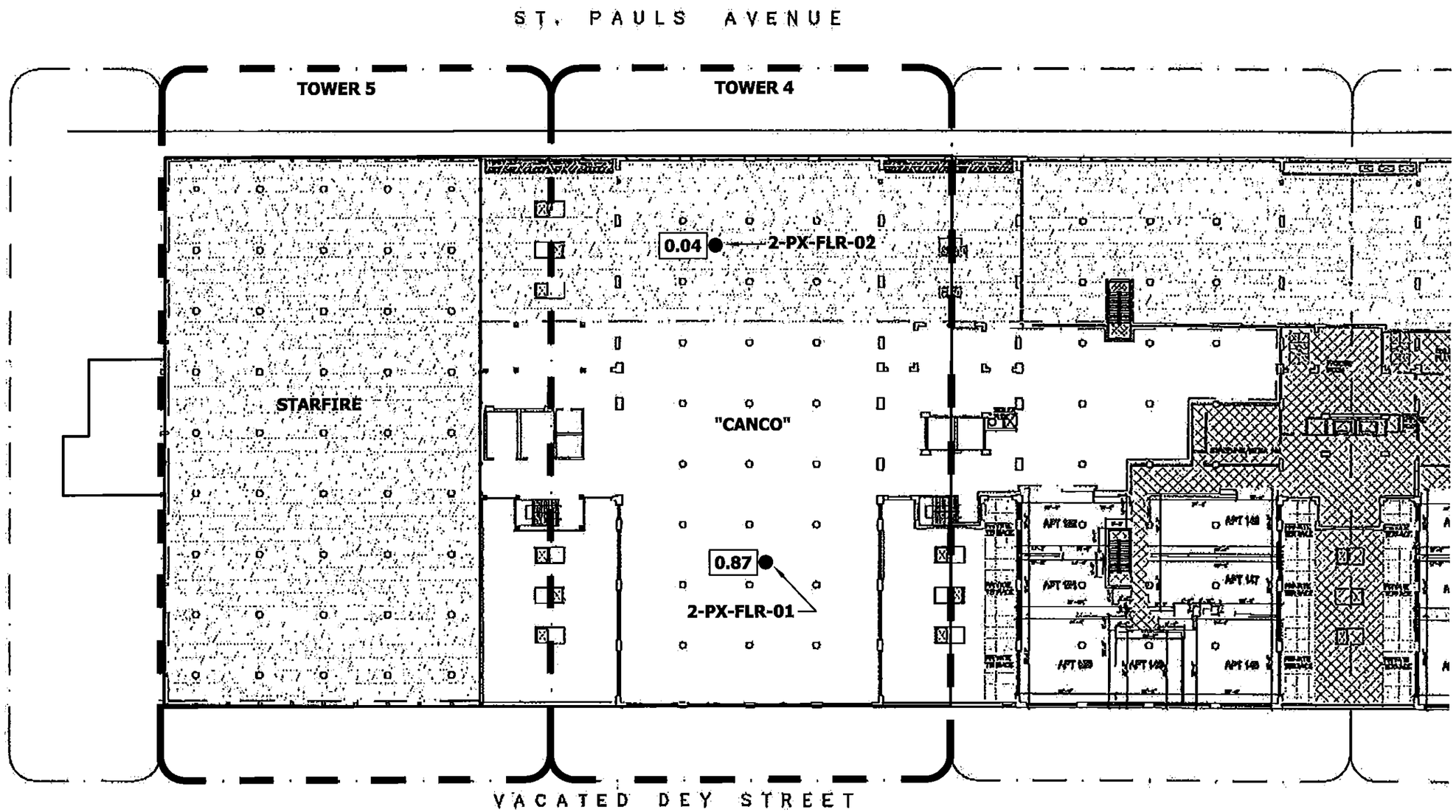
POST WOOD BLOCK REMOVAL CONCRETE FLOOR SAMPLE LOCATIONS
SECOND FLOOR – TOWERS 4 AND 5

XXX 2013

KEYSTONE E-SCIENCES GROUP

FRAZER, PENNSYLVANIA

L



LEGEND:

● SAMPLE LOCATION

0.87 PCB CONCENTRATION (MG/KG)

NOTE: ADDITIONAL RESULTS TO BE AVAILABLE BY LATE JULY

0 20 40 80 120

SCALE IN FEET (APPROXIMATE)

DRAFT - 16 JULY 2013

50 DEY STREET COMPLEX

JERSEY CITY, NEW JERSEY

FIGURE L	PROJECT #12038

POST WOOD BLOCK REMOVAL CONCRETE FLOOR SAMPLE PCB RESULTS
SECOND FLOOR – TOWERS 4 AND 5

XXX 2013

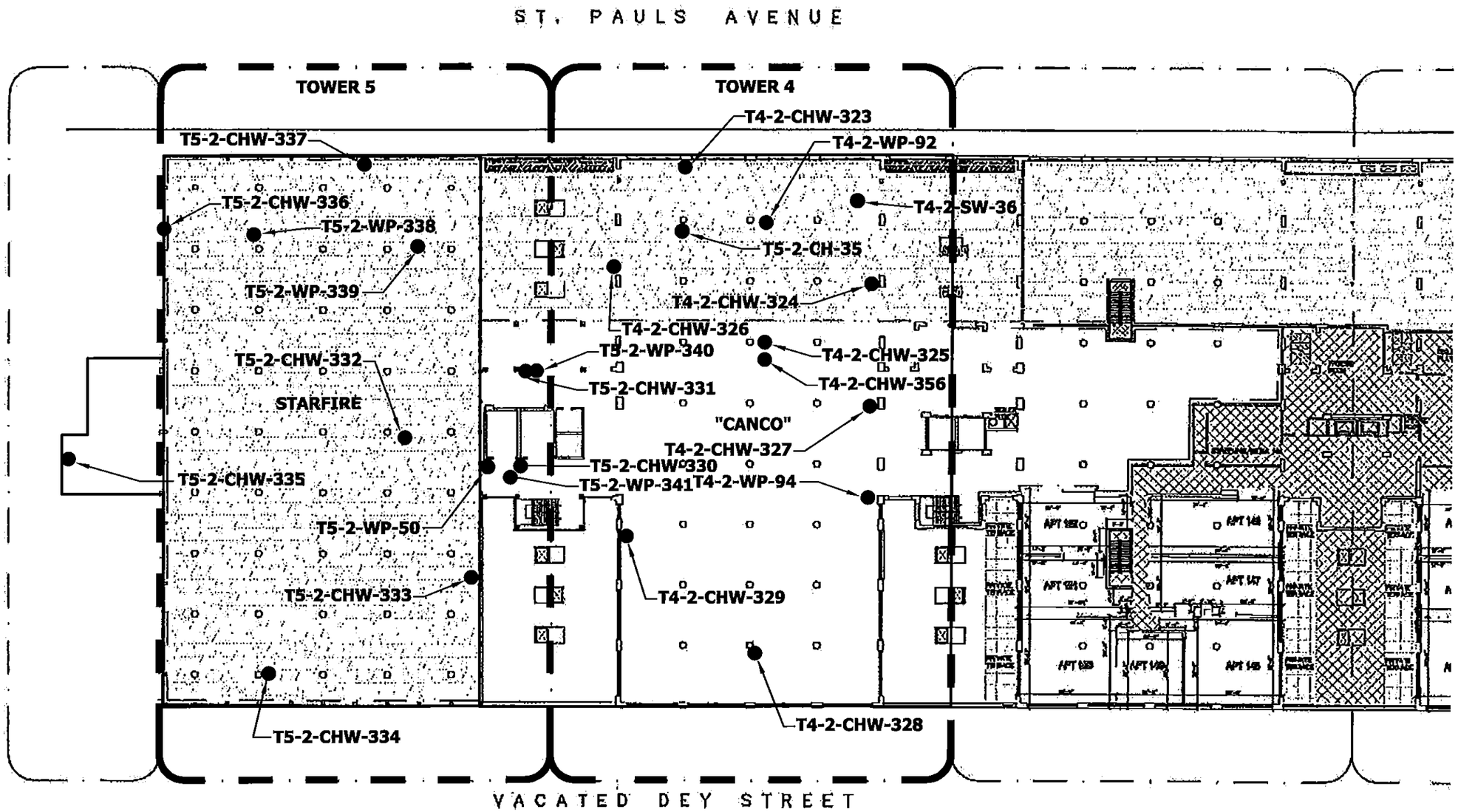
KEYSTONE E-SCIENCES GROUP

FRAZER, PENNSYLVANIA

NOTES:

(1) BASE MAP DEVELOPED FROM "50 DEY–MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E–SCIENCES

M1



LEGEND:

● NON-WOOD BLOCK BUILDING MATERIAL CHARACTERIZATION LOCATION

0 20 40 80 120

SCALE IN FEET (APPROXIMATE)

NOTES:

(1) BASE MAP DEVELOPED FROM "50 DEY-MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E-SCIENCES

DRAFT - 16 July 2013

50 DEY STREET COMPLEX

JERSEY CITY, NEW JERSEY

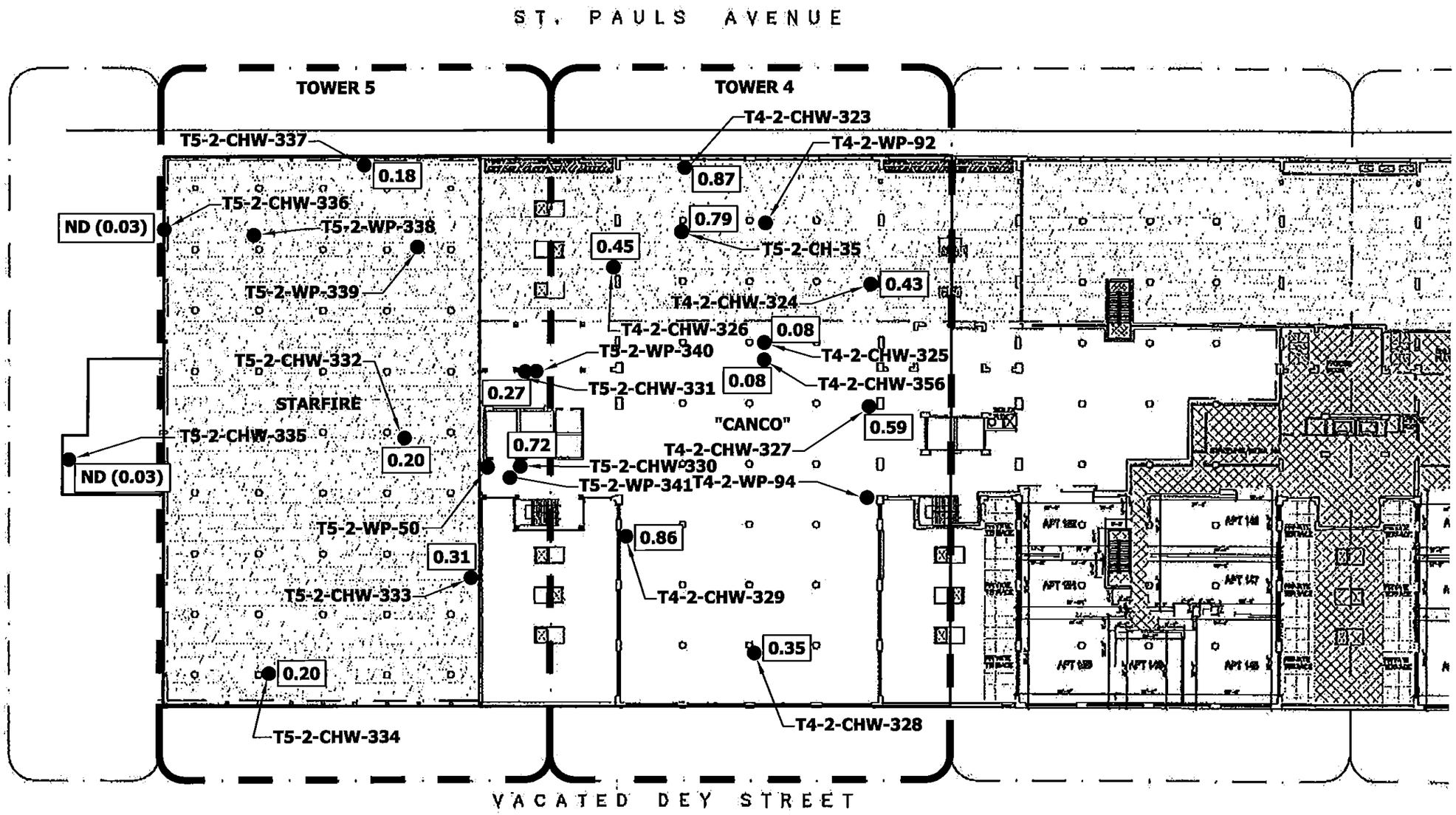
FIGURE ~~3~~ M	PROJECT #12038

BUILDING MATERIAL CHARACTERIZATION
SAMPLE LOCATION PLAN (NON-WOOD BLOCK)
SECOND FLOOR – TOWERS 4 AND 5

SUPPLEMENTAL SIRP
XXX 2013

KEYSTONE E-SCIENCES GROUP

FRAZER, PENNSYLVANIA



LEGEND:

● NON-WOOD BLOCK BUILDING MATERIAL CHARACTERIZATION LOCATION

"WP" WIPE SAMPLE (RESULTS ALL BELOW 10ug/100cm^2)

0.18 PCB CONCENTRATION (MG/KG)

0 20 40 80 120

SCALE IN FEET (APPROXIMATE)

NOTES:

(1) BASE MAP DEVELOPED FROM "50 DEY-MASTER UNIT DIAGRAM WITH COMMON AND LIMITED COMMON ELEMENT DESIGNATIONS" PROVIDED THROUGH SELLER; FLOOR SPECIFIC INFORMATION ADDED THROUGH FIELD OBSERVATIONS BY KEYSTONE E-SCIENCES

DRAFT- 16 JULY 2013

50 DEY STREET COMPLEX

JERSEY CITY, NEW JERSEY

FIGURE ~~7~~ N	PROJECT #12038

BUILDING MATERIAL CHARACTERIZATION
SAMPLE PCB RESULTS (NON-WOOD BLOCK)
SECOND FLOOR – TOWERS 4 AND 5

DRAFT
XXX 2013

KEYSTONE E-SCIENCES GROUP

FRAZER, PENNSYLVANIA

APPENDIX G

Gloucester County Improvement Authority (GCIA), May 14, 2013

GCIA Board Members

Charles Fentress
Chairman

Daniel Christy
Paul W. Lenkowski
Ashley C. Nichols

Gloucester County Improvement Authority
Solid Waste Complex
503 Monroeville Road
Swedesboro, NJ 08085
Phone: 856.478.6045
Fax:856.478-4858
www.gcianj.com

George D. Strachan
Acting Executive Director

Robert Damminger
Freeholder Liaison

May 14, 2013

Ms. Donna Pantaleo
Samboney Enterprises LLC
3614 Lakeside Drive
Williamstown, NJ 08094

Re: WASTE MATERIAL DISPOSAL APPROVAL
ID13 – Bulky – PCB contaminated Wood Block Flooring

Dear Ms. Pantaleo:

The Gloucester County Solid Waste Complex agrees with the conditions as listed below to accept the referenced waste material providing that the incoming load(s) for disposal is consistent with the waste material description data supplied on April 30, 2013.

GENERATOR NAME: Mana Art Center LLC Property, 50 Dey Street, Jersey City, NJ
WASTE MATERIAL NAME: PCB Contaminated Wood Block Flooring
WASTE MATERIAL ORIGIN: Hudson, NJ
QUANTITY: __300-500____ TONS
FREQUENCY: YEAR ___ MONTH _____ ONE TIME DISPOSAL ___X___
REGISTERED HAULER NAME: R & B Debris

IMPORTANT INFORMATION: The GCSWC is open Monday through Friday from 7:30 AM to 3:30 PM for disposal of waste type of ID13. A properly registered NJDEP solid waste hauler must transport the material. A bill of lading must accompany each load. An escrow account shall be established by the generator or hauler prior to disposal of the waste material with the Authority. If an account is not already established please contact at 856/423-5318 ext. 102.

The GCSWC reserves the right to terminate disposal approvals temporarily and/or permanently if waste material appears to be inconsistent with the material description data provided, consistency does not meet the GCSWC acceptable standards, if additional information is required or for other reasons in the best interest of the authority.

If you have any questions, please do not hesitate to contact me at (856) 478-6045 ext 25.

Very truly yours,

Kimberly Faustino
Environmental Specialist

APPENDIX H

Waste Management, Emelle Treatment Facility, Emelle, Alabama

WASTE MANAGEMENT

WASTE MANAGEMENT
Emelle Treatment Facility
36964 AL Highway 17
P.O. Box 55
Emelle. AL 35459
(205) 652-9721

October 19, 2012

To: Whom it May Concern

From: Robert Anthony, Environmental Manager

RE: TSCA Permit Current Status

The Chemical Waste Management (CWM) TSCA Permit ID # ALD 000 622 464 issued in 04/13/2007 is still valid. EPA-4 has not renewed the permit as of date. The TSCA Permit continues to be CWM's current Permit and is the one we currently are operating by. This is due to the fact that all requests for renewal by CWM were received by EPA-4 180 days prior to expiration of this Permit.

From everyday collection to environmental protection, Think Green.® Think Waste Management.

Printed on 100% post-consumer recycled paper.

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

APR 16 2007

4APT-PTSB

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

RECEIVED
APR 1 3 2007
WASTE MANAGEMENT
EMELLE, ALABAMA

Dr. Roger Henson
Landfill Division Manager
Chemical Waste Management
P.O. Box 55
Emelle, AL 35459

Dear Dr. Henson:

Enclosed is a document entitled "Approval for Commercial Storage, Processing, and Landfill Disposal of Polychlorinated Biphenyls (PCBs) and PCB Items." This document permits Chemical Waste Management, Inc., (CWM) to store, process and dispose of PCB waste subject to the conditions of the approval. This approval is issued pursuant to Section 6(e)(1) of the Toxic Substances Control Act (TSCA) and the federal PCB regulations, 40 CFR Part 761.

A public notice of the availability of the draft approval for review and request for comments was published in the Sumter County Record-Journal on March 1, 2007. The public notice along with a copy of the draft approval and CWM's approval renewal application was also posted on EPA Region 4's PCB home page. EPA did not receive any comments on the draft approval during the 30-day public comment period.

This approval is effective today, on the date of signature and will expire concurrently with CWM's Resource Conservation and Recovery Act Part B permit on November 7, 2009. This approval may be modified, withdrawn or further conditions may be added to it at any time EPA has reason to believe that CWM's PCB disposal or storage activities present an unreasonable risk of injury to health or the environment. Withdrawal of the approval or imposition of further conditions may also result from future EPA rulemaking with respect to PCBs. Moreover, violation of any condition included as part of this approval and/or applicable PCB regulations may subject CWM to TSCA enforcement action and/or termination of this approval.

It is the responsibility of CWM to comply with all applicable provisions of TSCA, the federal PCB regulations, and this approval in storing, processing and disposal of PCBs. Furthermore, this approval does not relieve CWM of any responsibility to comply with all other applicable federal, state, and local regulations and ordinances for operation and maintenance of the facility. EPA reserves the right to inspect the CWM Emelle

facility and the records that CWM is required to maintain under the federal PCB regulations during operation and at other reasonable times.

Please contact Craig Brown of the EPA Region 4 staff at (404) 562-8990 if you have any questions regarding this approval.

Sincerely,

Richard C. Schutt for

Beverly H. Banister
Director
Air, Pesticides and Toxics
Management Division

Enclosure

cc: Larry Bryant, ADEM

ALD 000 622 464
Rev 0: 4/5/07

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

IN THE MATTER OF	)	APPROVAL FOR COMMERCIAL
CHEMICAL WASTE MANAGEMENT INC.,	)	STORAGE, PROCESSING, AND
EMELLE TREATMENT FACILITY	)	LANDFILL DISPOSAL OF
EMELLE, ALABAMA	)	POLYCHLORINATED BIPHENYLS
	)	(PCBs) AND PCB ITEMS

AUTHORITY

This approval is issued pursuant to Section 6(e) of the Toxic Substances Control Act, Public Law No. 94-469, and the federal regulations promulgated thereunder at 40 CFR Part 761.

BACKGROUND

Section 6(e)(1) of the Toxic Substances Control Act (TSCA) requires that the U.S. Environmental Protection Agency (EPA) promulgate rules for the disposal of PCBs. Rules implementing TSCA Section 6(e) were published in the May 31, 1979, Federal Register (44 FR 31542) and recodified in the May 6, 1982, Federal Register (47 FR 19527). Those rules also regulated the storage of PCB waste prior to disposal under the TSCA Section 6(e)(1) disposal authority for PCBs. Amendments to those rules were published in the December 21, 1989, Federal Register (54 FR 52746). Additional changes to the PCB disposal rules, which were largely deregulatory in nature, were published in the June 29, 1998, Federal Register (63 FR 35384).

Chemical Waste Management, Inc. (CWM) owns and operates a commercial hazardous waste treatment, storage and disposal facility located in Sumter County, Alabama on Highway 17 North at Mile Marker 163, latitude N32° 47′ 30″ and longitude W88° 18′ 45″. This facility has been in operation since 1977. At the Emelle facility, CWM receives and manages a broad range of Resource Conservation and Recovery Act (RCRA) hazardous wastes, TSCA regulated PCBs and PCB Items and non-hazardous/non-TSCA industrial wastes. Liquids and solid wastes are received at the Emelle facility in both bulk and containerized shipments. CWM also receives drained and undrained PCB electrical equipment and other PCB articles. After waste identification and acceptability for management has been confirmed, an incoming load may be sent directly to the operating landfill cell for disposal, off-loaded to container storage units or storage tanks for temporary storage, or directed to a treatment unit for processing prior to landfill disposal. PCB transformers and articles that arrive at the facility are drained and flushed as necessary prior to landfill disposal of the carcasses. PCB liquids containing $\geq$ 50 parts per million (ppm) are stored on-site prior to shipment and off-site disposal at a TSCA incinerator.

CWM holds several federal and state permits/approvals governing its waste management operations. Key among these are a hazardous waste treatment, storage and disposal permit issued by the Alabama Department of Environmental Management (ADEM) in November 2004, a PCB

storage and disposal approval issued by EPA on March 27, 2001, and a National Pollutant Discharge Elimination System (NPDES) permit issued by ADEM on July 25, 2006.

The 2001, EPA-issued PCB storage and disposal approval expired on March 27, 2006. Six months before the expiration date, CWM wrote to the EPA requesting renewal of their PCB storage and disposal approval. CWM has not made, nor proposed any substantive changes to their PCB storage and landfill disposal operations in recent years. Additionally, CWM's most recent RCRA Part B Application, Revision 2.3, dated March 1, 2004, contained detailed design and operations information on all waste management units at the Emelle facility, including units that are used exclusively to store PCB waste. Therefore, EPA, in lieu of requesting new TSCA PCB storage and disposal approval application materials, has reviewed CWM's March 2004 RCRA Part B Application (hereafter referred to as the Application or the approved application materials). As part of its review of CWM's PCB storage and disposal operations, EPA also examined the November 8, 2004, hazardous waste permit issued by ADEM and relevant information contained in CWM's TSCA PCB disposal and storage approval file. After a completeness and technical adequacy review of the Application and relevant file documents, EPA has determined that the applicable regulatory criteria, identified at 40 CFR §§761.65(d) and 761.75(c) have been satisfied.

APPLICABLE REGULATIONS

The conditions of this approval were developed in accordance with the applicable requirements of 40 CFR Part 761. The regulations governing PCB storage facilities are codified at 40 CFR § 761.65, "Storage for disposal." Those rules require, among other things, that facilities which store PCB waste generated by others, in quantities greater than 500 gallons, obtain a written approval issued by EPA. Regulations that establish the requirements for landfill disposal of PCBs are codified at 40 CFR §761.75, "Chemical Waste Landfills."

FINDINGS

1. EPA has determined that Trenches 22 - 24 at CWM's Emelle facility merit approval as chemical landfill units for disposal of PCBs. This approval is based upon the Agency's determination that these landfill units meet all of the requirements of 40 CFR §761.75(b) with the following exception:

> The bottom of the landfill units at Emelle are not located at least 50 feet above the groundwater table as required by 40 CFR §761.75(b)(3).

2. For the reasons outlined herein, the Agency has determined that a waiver of the hydrologic conditions requirement of 40 CFR §761.75(b)(3) will not present an unreasonable risk of injury to health or the environment from PCBs.

- The landfill units are designed, constructed and operated to meet current RCRA standards.

- Each cell or unit is constructed with a primary and secondary liner system composed of compacted chalk overlain by high-density polyethylene.

- The leachate collection system located above the primary liner is designed to collect and remove leachate, such that the depth of leachate over the liner does not exceed one foot.

- The leachate collection system between the liners is designed to detect, collect and remove leaks of hazardous constituents at the earliest practicable time.

- Groundwater level conditions external to the landfill cells in concert with the internal leachate depth limitations create an inward hydraulic gradient, effectively preventing leachate migration.

- The regional drinking water aquifer, the Eutaw Formation is located approximately 600 - 750 feet below land surface and is overlain by the low-permeability Selma Chalk.

3. PCBs are listed as hazardous constituents under RCRA. Releases of hazardous constituents from closed and inactive landfill units at the Emelle facility are subject to the RCRA 40 CFR 264 Subpart F monitoring and corrective action requirements.

4. Pollutant discharge limitations and monitoring requirements for surface water at the Emelle facility are set forth in the NPDES permit issued by ADEM. The NPDES permit contains limited requirements for PCB monitoring at a specific outfall.

5. In view of findings 3 and 4, it is appropriate to defer to or coordinate with other regulatory programs on some aspects of PCB monitoring and release response actions for surface water and groundwater.

6. CWM has a consolidated RCRA/TSCA closure plan and a post-closure care plan for the Emelle facility. CWM has established financial assurance to cover closure and post-closure care costs for all RCRA, TSCA, and combined RCRA/TSCA waste management units.

7. EPA has determined that CWM's PCB storage, processing and landfill disposal operations at the Emelle, Alabama facility as described in the Application and carried out in accordance with the approval conditions established herein, will not pose an unreasonable risk of injury to human health or the environment.

APPROVAL

Approval is hereby granted to CWM of Emelle, Alabama (EPA ID # ALD 000 622 464), to commercially store, process, and dispose of PCBs and PCB items subject to the approval conditions stated herein.

This approval shall become effective on the date of signature and shall expire concurrently with CWM's RCRA Part B permit on November 7, 2009, unless revoked, suspended, or terminated in accordance with the approval conditions stated herein.

This approval does not relieve CWM from compliance with all applicable federal, state and local regulatory requirements, including the federal PCB regulations at 40 CFR Part 761, and any amendments or revisions thereto.

Beverly H. Banister, Director
Air, Pesticides and Toxics
Management Division

4/13/07
Date

APPENDIX I

Project Schedule

Appendix I

Project Schedule
SIP 50 Dey Street
Jersey City, NJ

Task	Material	Source	Timeframe
Off Site Disposal	Staged PCB impacted wood block flooring	2nd & 7th Floors	December 2013 - January 2014
Off Site Disposal	Staged PCB impacted concrete	2nd & 7th Floors	December 2013 - January 2014
On Site operations	concrete sandblasting/scarification	2nd & 7th Floors	December 2013 - March 2014
Off Site Disposal	concrete sandblasting/scarification byproduct	2nd & 7th Floors	January - March 2014
Wood flooring removal & staging	PCB impacted wood block flooring	1,3,4,5,6 floors	spring - summer 2014
Off Site Disposal	Staged PCB wood block flooring	1,3,4,5,6 floors	summer - fall 2014
Concrete island removal & staging	PCB impacted concrete island	1,3,4,5,6 floors	summer 2014
Off Site Disposal	Staged PCB impacted concrete	1,3,4,5,6 floors	fall 2014
On Site operations	concrete sandblasting/scarification	1,3,4,5,6 floors	summer-winter 2014
Off Site Disposal	concrete sandblasting/scarification byproduct	1,3,4,5,6 floors	winter 2014

Notes:
environmental sampling of the media to acocmmomdate the SIP II will be completed coincident with the defined tasks/operations.