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September 22, 2015

Mr. James Haklar USEPA Facilities Raritan Depot 2890 Woodbridge Avenue Edison, NJ 08837-3679

Re: Revised Pages and MMIP for Request for Approval of TSCA Risk-Based Clean-Up of PCBs

370 Jay Street, Brooklyn, NY 11201 TRC Project # 221253.0000.0000

Dear Mr. Haklar:

Thank you for your assistance. Attached are the revised documents for the submittal referenced above. Based on discussions with EPA, TRC has incorporated some minor changes for your review.

Should you have any questions or need additional information, please do not hesitate to contact us at (212) 221-7822.

Very truly yours,

TRC ENVIRONMENTAL CORPORATION

Daren J. Bryant Senior Project Manager

Attached: One (1) copy of final submittal of the Risk-Based Clean-Up of PCBs for 370 Jay Street

One (1) copy of final submittal of the Maintenance and Monitoring Implementation Plan (MMIP)



# REQUEST FOR APPROVAL OF TSCA RISK-BASED CLEAN-UP OF PCBS

# 370 JAY STREET BROOKLYN, NEW YORK

Site Location

370 JAY STREET BROOKLYN, NY 11201

Prepared For



10 Astor Place, 6<sup>th</sup> Floor New York, New York 10003

Prepared By



TRC Environmental Corporation

1430 Broadway, 10<sup>th</sup> Floor New York, New York 10018

September 22, 2015

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#### 1.0 INTRODUCTION

TRC Environmental Corporation (TRC) has prepared this Request for Approval of a Risk-Based Clean-Up of Polychlorinated Biphenyls (PCBs) (Request) in accordance with the Toxic Substances Control Act (TSCA), on behalf of New York University (NYU). The Request is provided for planned exterior window activities associated with the full gut renovation of the former Metropolitan Transit Authority (MTA) headquarters building, located at 370 Jay Street located in downtown Brooklyn, New York (Site). NYU is currently in a 99 year lease/buyout authorization agreement with the New York City Economic Development Corporation (NYCEDC) in regard to the Site (as of March 7, 2015) and will have legal authorization to act as the Owner. NYU will have contract oversight for the work contained in this Request and, therefore, will be responsible for the clean-up.

• Multiple exterior caulk material samples around exterior windows have been identified as containing PCBs at concentrations greater than 50 parts per million (ppm). It is believed that the caulk was manufactured containing PCBs and therefore defined as PCB Bulk Product Waste. Materials abutting PCB Bulk Product Waste have also been identified in concentrations exceeding 1 ppm and therefore are defined by TSCA as PCB Remediation Waste. This Request is provided to support the exterior window replacement activities where PCB Bulk Product Waste and PCB Remediation Waste have been identified. As these window areas are exterior locations at elevation, they are considered low occupancy areas per §761.3. In summary, all PCB Bulk Product Waste associated with the window replacement will be removed and PCB Remediation Waste exceeding 25 ppm encapsulated.

The goal of Site remediation detailed in this Request is to achieve compliance with applicable federal regulations as stated in 40 CFR §761.61(a), §761.61(c), §761.62(a), for a risk-based clean-up plan.

Correspondences of final approvals or actions should be addressed to:

Entity: New York University

Address: 10 Astor Place, 6th Floor

New York, NY 10003

Contact: Stephanie Kung Telephone: (212) 998-1439

Email: stephanie.kung@nyu.edu

#### 2.0 SITE BACKGROUND AND HISTORY

#### 2.1 Subject Building Description and Location

The Site was the former MTA headquarters with an original certificate of occupancy by the New York City Department of Buildings in 1951 for the New York City Transit Authority. It is a fourteen story building with three (3) mechanical penthouse floors (fifteenth, sixteenth, and sixteenth floor plenum floors). The building consists of approximately 460,000 square feet of offices and workshops above ground in an L-shaped layout. The building located along Jay Street from Willoughby Street at the south to Renaissance Plaza at the north, then west to Pearl Street Extension. Two (2) exterior ground floor arcades on the north and south ends of the Jay Street provide stair, escalator and elevator access to the Jay Street-Metrotech subway station below and provide access to the building entrances. Below-grade, part of the building footprint is occupied by the subway station. The remaining space is primarily parking, storage and building service areas on two levels accessible on the north side, with five levels of accessible storage from the south side, and additional dedicated areas used for subway/police communications to be reserved for MTA operations essential to subway service below. Future use of the building will consist of university classrooms and office spaces for the Center for Urban Studies and Progress (CUSP), part of the NYU Polytechnic School of Engineering.

## 2.2 Subject Building Construction and Renovation History

The subject building was constructed in 1951 and remains intact and primarily unrenovated with the exception of the fourteenth floor of the main portion of the building. Interior walls are constructed primarily of plaster and drywall with concrete floors and ceilings. Support columns and beams are constructed of structural steel and reinforced concrete and the façade is primarily bare limestone with metal windows. One (1) set of fire stairs is situated in the subject building core, adjacent to a bank of elevators that serve the structure. An external stair tower is located on the southwest side of the building. NYU is planning a gut renovation of the entire building including replacement of approximately 1,100 exterior windows and 64 exterior doors. The total NYU gross building renovation area will be approximately 460,000 SF.

## 2.3 Previous PCB Investigations

GZA Environmental Inc. (GZA) conducted a hazardous materials inspection in conjunction with a Phase I Environmental Site Assessment in May and June 2012. In the report, "Hazardous Materials Investigation Report 370 Jay Street Brooklyn New York", dated August 2012, GZA identified exterior window caulking material as potentially PCB containing. Initial samples of the caulking materials were collected from accessible areas and analyzed using EPA Method 8082. The results indicated that the window caulk material was both asbestos-containing material (ACM) and PCB bulk product waste, with PCB sample results ranging from 17,000 to 74,000 ppm as presented in the GZA GeoEnvironmental, Inc. Hazardous Materials Investigation Report, dated August 2012. Please note that no appendices including sample location drawings, analytical results or chain-of-custodies were included with this report.

After the caulk sample results were reviewed, the porous limestone and granite facade panels, to which the caulking with PCBs ≥50 ppm was attached, were sampled by GZA at 1-inch, 3-inch, 6-inch, and 12-inch distances from the PCB caulk bead at three (3) exterior locations. Only the 1" and 3" distance samples were analyzed, with the other samples held for possible analysis. The three (3) exterior locations were windows off of the second floor setback roof, seventh floor north setback roof, and fourteenth floor main roof areas. PCB samples 1-4 were collected of limestone from the 2<sup>nd</sup> floor facade accessed from the west setback roof; PCB samples 5-8 were collected of limestone from the 7<sup>th</sup> floor facade accessed from the north setback roof; and PCB samples 9-12 were collected of the stucco material from the 14<sup>th</sup> floor south and east facades. Of the six (6) samples analyzed, PCBs were detected in two (2) samples representing the limestone facade collected at the 1" distance. PCBs were not detected in the samples collected at the 3" distances. Two (2) PCB samples representing the 1" distance sample collected from the limestone facades were 3 ppm and 3.4 ppm.

GZA concluded that PCB window caulking with PCB concentrations ≥ 50 ppm is not authorized for use according to EPA, and must be disposed of as PCB bulk product waste according to 40 CFR 761.62. PCB remediation waste (porous facade stone) contaminated by the surrounding window caulking is subject to the cleanup and disposal requirements of 40 CFR 761.61.

ALC Environmental (ALC) was retained by NYU in March 2014 to perform supplemental asbestos and PCB sampling. Several Progress Memorandums and Meeting Minutes between NYU and ALC, dated March 28, 2014 to August 7, 2014, indicated ALC's progression of work performed at the Site. The sample summary table and laboratory results from ALC and Phoenix Environmental Laboratories, Inc. identify PCB caulk (≥50 ppm) around the windows on the third through thirteenth floor elevations on the north, south, east or west facades ranging from 82 ppm to 97,000 ppm. There was also one (1) sample collected from a window on the fourteenth floor elevation (no indication on which façade it was collected) which had a concentration of 5,300 ppm. Caulk samples collected from the first floor, second floor and roof parapet and roof facade had PCB concentrations below 50 ppm.

As a result of the findings from both the GZA and ALC investigations, TRC was requested by NYU to perform additional quality assurance sampling of caulk materials, perform a detailed caulk substrate characterization, and develop a remedial approach for the ACM/PCB window caulk at 370 Jay Street in Brooklyn, New York. The following presents the results of the additional sampling efforts and the remedial approach.

#### 2.4 PCB Characterization Sampling

This section outlines the additional building material PCB characterization sampling that has been conducted by TRC in addition to the aforementioned previous PCB investigations at the Site. Sampling evaluated items identified by NYU as to be disturbed during proposed exterior window replacement activities.

TRC conducted a survey and sampling of areas of the proposed window replacement on the interior and exterior of the building between August 6, 2014 and October 10, 2014. A combination of twenty-one (21) discrete and twelve (12) composite samples were collected of caulk materials. For discrete samples, one (1) discrete sample was collected of each homogenous caulk material. For composite samples, three (3) sub-samples (approximately 10 grams each) of each homogenous caulk material were collected to form a composite material. The laboratory created one (1) composite sample of each homogenous caulk material from equal mass portions of the sub-samples. Sampling methodology for the caulk

involved removing and collecting all layers of caulk applied down to the substrate at each location. Caulk samples were collected with hand tools.

The Site was surveyed following techniques generally employed in the Building Sciences industry to identify, locate and sample homogeneous building materials (i.e. Asbestos survey approach). TRC was able to access the exterior of the building, at all elevations, by utilizing suspended scaffolds and a scissor lift which were already in place for exterior façade probes by the general contractor onsite.

Limestone and stucco substrate samples were collected in general accordance with Region I, EPA-New England, *Standard Operating Procedure for Sampling Porous Surfaces for PCBs* (May 5, 2011). A rotary hammer drill with a 1-inch carbide drill bit was used to drill ½-inch into the facade. Each ½-inch penetration generated approximately 10 grams of powder. Multiple holes were located closely adjacent to each other to generate sufficient sample volume. The fine powder cuttings from drilled holes were collected in laboratory-cleaned jars, and sent to the laboratory for analysis. Sample collection tools were decontaminated including a hexane rinse between samples. Daily equipment rinsate blanks were collected with use of a solvent prior to all sampling activities to verify cleaning procedures and avoidance of cross-contamination between sampling events.

All samples were hand delivered under chain-of-custody procedures to EMSL Analytical, Inc. (EMSL), New York, New York and then couriered or transported via express delivery to EMSL Cinnaminson, New Jersey laboratory for analysis. Samples were analyzed following EPA Method 3540C for soxhlet extraction with analysis by EPA Method 8082.

A total of 148 representative samples were collected from multiple elevations, covering all of the facades, and submitted for PCB laboratory analysis, as summarized below:

- 15 exterior window frame caulk samples;
- 5 window glazing samples;
- 5 exterior door frame caulk samples;
- 8 parapet caulk samples;
- 113 limestone samples; and
- 2 stucco samples.

Please note that as stated previously, TRC's investigation and sampling strategy was prepared in order to supplement previous investigations and sampling conducted by both GZA and ALC. TRC reviewed this previous data and collected either confirmatory window frame caulk samples or samples of window frame caulk not previously identified, hence the reason for collecting only 15 additional samples (15 total window frame caulk samples). Two (2) additional stucco samples had been collected and analyzed as there had been uncertainty where a previous window frame caulk was sampled by ALC on the 14<sup>th</sup> floor with results at 5,300 ppm. During TRC's investigation, it was identified that the ALC window frame caulk sample in question from the 14<sup>th</sup> floor had actually been collected from the exterior stairwell (limestone façade) and not from the limited area of newer construction where the stucco is present. The stucco substrate samples were found to be non-detect for PCBs and both the initial caulk on stucco sample results from ALC as well as confirmatory caulk on stucco sampling performed by TRC were found to be below 50 ppm.

Approximate substrate sample locations are shown on Figures PCB101.00 to PCB104.00.

As described further in the next section, window caulk and glazing above the first floor was found to be greater than 50 ppm PCB and therefore PCB bulk product waste. Limestone façade substrate immediately adjacent to the PCB caulk was found to be above 1 ppm PCB and therefore PCB remediation waste. Note that all window and door caulk identified and sampled on the first floor associated with the granite substrate was determined to be < 50 ppm and considered Excluded PCB Products. TRC also characterized the presence of asbestos at the Site to facilitate window/door replacement. TRC confirmed that the exterior window caulk and the window glaze are also asbestos-containing materials as defined by applicable rules and regulations.

## 2.5 PCB Laboratory Analysis Results

PCBs were identified in some of the materials analyzed. The following subsections are organized by building material type. The laboratory analytical reports are attached in Appendix 1, and laboratory results are tabulated in Table 1.

## 2.5.1 Caulk Sampling

TRC analyzed 15 caulk samples from between two (2) types of metal window frames and the abutting substrate. All samples were collected from the exterior. Total PCB concentrations in the exterior window caulk ranged from 1.3 to 57,000 ppm. All samples of window caulk associated with the limestone façade were found to be greater than 50 ppm. All window caulk samples associated with the stucco and granite façades were found to be less than 50 ppm.

TRC analyzed five (5) exterior caulk samples from between door frames and the abutting substrate and other caulk observed along the first floor granite substrate. The exterior door frame caulk collected from the first floor east elevation was found at concentrations of 16.2 ppm, 11 ppm, and 2.6 ppm. Other caulk identified, such as caulk at the garage gate along the south elevation and along a mural at the east elevation, was sampled and identified at 2.5 ppm and 3.1 ppm, respectively. No other doors on the exterior of the building were identified with exterior caulk.

## 2.5.2 Limestone Sampling

TRC analyzed 113 samples from the abutting limestone substrate. Limestone is the predominant façade material present on all four (4) sides of the building between the second floor and the sixteenth floor elevator penthouse. Limestone substrate samples were collected where caulk was present >50 ppm.

Prior to sampling of the limestone substrate, the PCB-containing caulk in the area to be sampled was removed using hand tools and the substrate was cleaned with a mild detergent using wire brushes in order to simulate standard ACM/PCB caulk removal procedures. Once the caulk was removed, samples were collected from the surface to a depth of approximately ½ inch in sets at the 0" line (directly under where the caulk was removed), 1", 3" and 6" lines away from the caulk. All samples collected at the 0", 1" and 3" lines and select 6" line samples were analyzed.

Limestone samples collected at the 0" line had a concentration range of 57 to 990 ppm. The 1" line had a concentration range of 0.61 to 31 ppm. Samples collected at the 3" line

had a concentration range of below the laboratory detection limit to 9.7 ppm. Samples analyzed from the 6" line had a concentration range of 0.5 to 1.8 ppm.

## 2.5.3 Granite Sampling

Granite is present on all four (4) facades of the first floor only. No substrate samples were collected of the granite substrate as all caulk identified and sampled on the first floor tested at concentrations below 50 ppm and are considered Excluded PCB Products.

#### 2.5.4 Stucco Sampling

Stucco is also present on all four (4) sides of the building at the fourteenth floor, which is a section of the building located on top of the thirteenth floor roof and is of newer construction. All caulk associated with the stucco façade that was sampled on the fourteenth floor tested at concentrations below 50 ppm and are considered Excluded PCB Products.

The table on the following page is a summary of TRC's window caulk/substrate sampling:

# TRC – PCB Window Caulk/Substrate Sampling Summary Table

# 370 Jay Street, Brooklyn, NY

Floor	Substrate	Caulk Samples Collected	Minimum Value (Caulk)	Maximum Value (Caulk)	Sub	strate Colle	Sam ected	ples			m Valu ate) PF		Maximum Value (Substrate) PPM			
		Conected	PPM	PPM	0"	1"	3"	6"	0"	1"	3"	6"	0"	1"	3"	6"
14th Floor	Stucco	2	ND	1.3	2	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA
14th Floor	Limestone	0	NA	NA	1	1	1	NA	110	5.4	0.89	NA	110	5.4	0.89	NA
13th Floor	Limestone	0	NA	NA	3	3	3	NA	280	4.7	1.3	NA	580	33	7.1	NA
12th Floor	Limestone	0	NA	NA	3	3	3	NA	190	8.4	1.1	NA	350	14	2.1	NA
11th Floor	Limestone	0	NA	NA	3	3	3	NA	210	4.4	0.93	NA	380	27	2.5	NA
10th Floor	Limestone	0	NA	NA	3	3	3	1	280	7	0.82	1.8	410	17	2.5	1.8
9th Floor	Limestone	0	NA	NA	3	3	3	NA	190	5.7	0.5	NA	420	26	2.2	NA
8th Floor	Limestone	2	23,000	25,000	2	2	2	NA	220	19	8.0	NA	320	20	8.0	NA
7th Floor	Limestone	2	8,000	15,000	2	2	2	1	57	0.68	0.81	0.5	140	24	9.7	0.5
6th Floor	Limestone	0	NA	NA	2	2	2	1	340	7.4	8.0	0.63	380	14	0.9	0.63
5th Floor	Limestone	0	NA	NA	3	3	3	NA	240	13	0.49	NA	480	30	2.1	NA
4th Floor	Limestone	2	21,000	57,000	3	3	3	NA	220	7.2	0.5	NA	990	41	1.1	NA
3rd Floor	Limestone	2	230	35,000	4	4	4	1	120	0.61	0.5	0.56	570	17	1.0	0.56
2nd Floor	Limestone	2	20,000	32,000	4	4	4	NA	150	7.3	0.49	NA	490	38	0.78	NA
1st Floor	Granite	3	4.1	6.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ND = Non Detect PPM = Parts Per Million NA = Not Analyzed

#### 3.0 QUALITY ASSURANCE

All samples collected for this program were analyzed by EMSL Analytical, Inc. (EMSL) of Cinnaminson, NJ (ELAP # 10872). The analytical data generated from this field sampling program was evaluated to determine the integrity and suitability of the analytical results to support the data evaluation, and the conclusions and recommendations as detailed in this report.

The acceptability of the analytical data was ascertained by evaluating the following parameters:

- Sample Holding Time
- Surrogate Recovery
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Precision
- Laboratory Spike
- Detection limits
- Data Package Completeness

The laboratory analytical data was found to be acceptable with several qualifications noted for field blank contamination, and laboratory spike sample non conformances. TRC qualified the data when sampling and/or analytical errors were noted in the analytical reports.

#### 4.0 NATURE AND EXTENT OF PCBS

This section summarizes the building materials impacted by PCBs and its extent as required by 40 CFR 761.61(a)(3)(i)(A) and 40 CFR 761.61(a)(3)(i)(C).

## 4.1 PCB Bulk Product Waste (≥50 ppm)

All caulk with total PCB concentrations ≥50 mg/kg are PCB Bulk Product Waste and were included in this category.

- Exterior window frame caulk (second to sixteenth floor penthouse)
- Window glaze (second to sixteenth floor penthouse)

## 4.2 Excluded PCB Products (<50 ppm)

The exterior caulk on the first floor as well as the exterior window frame caulk on the more recent fourteenth floor construction (stucco façade) was determined to be federally Excluded PCB Product as the in-situ total PCB concentrations were <50 mg/kg, it is believed that the caulk was original as installed, and the total PCB concentration had not been modified by subsequent activities.

#### 4.3 PCB Remediation Waste

Building material substrates impacted by PCBs from a source not authorized for use at any concentrations are considered to be PCB Bulk Remediation Wastes. Sampling included the collection at 0" (point of contact), 1", 3", and 6" lines from the caulk line in each location for each type of PCB Bulk Product ( $\geq$  50 ppm) and associated porous substrate. In general, the following PCB Bulk Remediation Waste materials were identified:

 Limestone abutting the exterior window frame caulk (second floor to sixteenth floor penthouse.

#### 5.0 RISK ASSESSMENT

In accordance with 40 CFR 761.61 (c) a human health risk assessment was completed. The purpose of this risk assessment is to evaluate potential Site exposures and provide a justification for the controls proposed to address these exposures. A risk assessment is required since the removal of all PCB Remediation Waste >1 ppm (i.e. limestone surrounds) is not anticipated due to the following reasons:

- Removal of the stone is not part of the overall scope of work for the planned renovation activities.
- Overall removal and cutting of the limestone façade adds increased safety risk and exposure during renovation activities.

Because PCB Bulk Product Waste window caulk and glazing will be removed:

- It is anticipated that the proposed remediation program will adequately control exposure to residual PCBs in the limestone that represents a PCB Remediation Waste.
- With PCB Bulk Product Waste ("source" material) removed, encapsulation and installation of a recessed window is anticipated to be as protective as removal as it is a low occupancy area with limited exposure potential.

#### 5.1 PCB Source

The PCB source is the exterior window caulk and window glazing. The PCB Bulk Product Waste caulk has impacted limestone surrounds. All exterior window caulk and glaze will be removed. Impacted limestone surrounds greater than 25 ppm will be encapsulated. Potential PCB sources inside the building will be removed as part of the full gut renovation activities as the building is being stripped down to its bare structural elements (aside from the exterior façade).

## 5.2 Potential Human Receptors

Current human receptors present at the Site or in the surrounding environment, and who as a result, may be exposed to the identified PCBs are considered to be tenants, visitors,

construction and utility workers, and trespassers. The current likelihood of humans coming in contact with PCBs is considered to be very low. This is because the PCB Bulk Product with caulk will be removed, lower level PCB Remediation Wastes greater than 25 ppm encapsulated, and the impacted materials are located in areas not easily or regularly contacted.

In addition, all of the PCB Remediation Waste to remain are located above the first floor of the Site building and are not accessible to the public. The proposed PCB Bulk Product removal, encapsulation and window installation system is believed to control future human exposure to these remnant PCBs at the Site.

## 5.3 Potential Exposure Points, Pathways and Controls

Potential human exposure points are direct contact with (touching or ingesting PCB containing materials) or indirect contact (inhalation of PCBs that might be in air). The potential human exposure pathways are dermal absorption, ingestion, inhalation of PCB.

- Window unit glazing and caulking represent a potential exposure point. Their removal will eliminate this exposure point.
- Window exterior limestone surrounds have been impacted by the window caulk and represent a potential exposure point. The primary exposure pathway would be via direct contact. Due to the location, exterior to the building and/or concealed within the window frame, and application of an encapsulant, this potential route of exposure is unlikely. Secondary exposure pathways may include inhalation if residual PCBs were to volatilize and migrate into the building or be ingested. TRC does not believe either of these routes would be significant since PCB levels in the limestone under the removed caulk had a range of 57 to 990 ppm at the 0" line and the concentration reduced to a range of 0.61 to 41 ppm at the 1" line, and again reduced to a range of below the detection limit (0.49 ppm) to 9.7 ppm at the 3" line away from the caulk, and exterior limestone areas greater than 25 ppm will be encapsulated, interior accessible limestone locations will also be encapsulated and interior locations further enclosed within the new non porous window frame assembly.

Exposure to residual PCBs in limestone will be controlled as follows:

- All exterior limestone remediation waste greater than 25 ppm associated with window surrounds will be encapsulated as described in Section 6.4.
- Interior limestone remediation waste, if present, will also be encapsulated and enclosed within the newer non-porous window frame assembly;
- Because limestone remediation waste is above the first floor, and windows will not open, this material is generally not accessible.

The removal activities and encapsulation/enclosure systems will be shown to be performing adequately to manage residual PCBs in accessible limestone surrounds if future wipe samples of encapsulated accessible surfaces in low occupancy areas have concentrations no greater than  $100 \, \mu g/100 \, cm^2$  as per 40 CFR Part 761.61(a)(4)(i)(B)(ii) and as described in Section 6.5.

If this value is exceeded, additional evaluations will be performed to determine if these levels present an actual risk to building users and if additional PCB remediation activities are required.

#### 6.0 REMEDIATION PROCEDURES

The goal of building material remediation efforts is to ensure that all PCB Bulk Product Waste caulk/glaze classified as PCB Bulk Product Wastes are removed and disposed of together from window areas prior to building renovation activities. PCB Bulk Product Wastes (window caulk and glazing classified as PCB Bulk Product Wastes) will be removed utilizing abatement work practices and engineering controls to limit the potential release of PCB dust/debris. As these materials are also characterized as asbestoscontaining materials (ACM), proper ACM removal techniques as applicable to all federal, state, and city regulations will be followed. Detailed procedures as required by the New York City Department of Environmental Protection (NYCDEP) Asbestos Control Program shall be implemented using approved procedures for the removal of asbestos-containing exterior caulk from vertical building surfaces. The work will be performed by a specialty contractor utilizing workers afforded appropriate hazard communication training and under the supervision of an appropriately trained and experienced site supervisor. Work

will be overseen by a third party (field inspector) who will monitor that appropriate removal techniques are utilized and confirm thorough removal of identified materials. All removed materials will be containerized and then transported offsite for appropriate disposal.

No segregation of PCB wastes will be performed during building material abatement work and the caulk and glazing will be removed and disposed of as bulk product waste together with the window system at each location.

## 6.1 Safety and Monitoring Requirements

The renovation project will be performed as described above and it is anticipated that building occupants will not be present in areas during scheduled remediation/abatement work. However, to prevent exposure of onsite workers to potentially PCB-contaminated dust, Control Areas will be established outside of the Regulated/Containment Areas. Only properly trained personnel associated with the removal and abatement will be allowed within the Control Areas that will be established by placing barriers with signs indicating that access to the area is restricted. The Contractor will maintain the Control Areas and escort unauthorized personnel from the area promptly. Only those personnel actively working on the removal and abatement will be allowed within the Regulated/Containment Area and they shall be equipped with Personal Protective Equipment (PPE). Workers performing this work shall also be required to enter and exit work areas through a Worker Decontamination Enclosure System as per NYCDEP Asbestos Control Program procedures, with all properly bagged and sealed waste leaving work areas cleaned through a separate Waste Decontamination Enclosure System also required by NYCDEP.

For PCB-contaminated material removals, periodic dust monitoring will be performed in the Control Area immediately outside the Regulated/Containment Area prior to initiating the removal action, during performance of the action, and following the removal which will include the break-down of the Regulated/Containment Area. In addition, required asbestos project air sampling will be performed throughout the project. For PCB-contaminated material removals, monitoring will be performed for total suspended particulates (TSP). Real-time readings will be collected utilizing a TSI Model 8533 DustTrak DRX Aerosol Monitor (DustTrak) or similar. The background concentration within interior Control Areas will be determined prior to initiating remedial actions and a

control area background level will be established. If, during the performance of air monitoring during removals, dust levels outside the Regulated/Containment Area are observed to exceed 150 micrograms per cubic meter (µg/m³) over background level determined prior to the remediation, the contractor shall be instructed to stop work and to inspect and reestablish the Regulated/Containment Area and improve associated engineering controls, as necessary. The Contactor shall then be required to decontaminate the Control Area outside Regulated/Containment Area if it is found that the containment or engineering controls failed or were not functioning properly.

## 6.2 Engineering Control Descriptions

Engineering controls to be implemented for exterior remediation will follow along similar guidelines as used when conducting asbestos abatement activities. Engineering controls for remedial work will be modeled after exterior OSHA Class II asbestos engineering controls for exterior remediation work as well as New York City Department of Environmental Protection (NYCDEP) Asbestos Control Program requirements. A description of these activities is as follows. More detailed descriptions will be provided in specifications for the work which shall serve as the Contractor's Work Plan.

Exterior remediation procedures are as follows and shall conform to NYCDEP "Exterior Vertical Surface Procedures":

- During removal of PCB Bulk Product (caulk and glazing), ground surfaces area will be covered with 2 layers of 6 mil polyethylene sheeting to capture/collect any debris generated, and secured to prevent movement. The sheeting will extend a minimum of ten feet beyond the building area to be remediated. Barrier tape will be used to delineate this as the regulated area.
- Any building openings such as windows, doors, vents, etc. in the immediate vicinity
  of the exterior remediation areas will be sealed off with critical barriers consisting
  of a minimum of one (1) layer of six (6) mil polyethylene sheeting securing the
  edges with tape.
- Signs will be posted outside the regulated area to deter unauthorized personnel from entering.
- Removal work practices within the regulated area will be implemented which facilitate the removal of the PCB Bulk Product and associated building material

while also limiting the amount of dust and debris to be generated. Acceptable removal equipment will include hand tools, pneumatic hammers or other similar equipment. If the Contractor chooses to use grinding or cutting tools during the removal they shall be required to establish a Negative Pressure Enclosure.

 All building materials removed during the remediation will be wrapped in poly sheeting and/or six (6) mil black asbestos-like bags and transported to the waste storage area. The poly sheeting/bags will be secured with tape to ensure that no dust is released during the transport and the contractor will be responsible for the remediation of any new releases caused by spillage.

## 6.3 Limestone Surround Surface Repair

If encountered, damaged limestone surround surfaces will be repaired prior to encapsulant application. When working within areas identified as being impacted by the PCB-containing caulk, repair work will only occur after existing surround caulk is removed. Grinding, chipping, or using power tools on PCB impacted materials shall be done within a negative pressure tent enclosure. Grinders will be equipped with shrouds and vacuums with HEPA filters or other means to capture dust and small debris in the grinding zone. Grinding or chipping power tools will only occur after it is determined that work cannot be satisfactorily completed with non-power tools. When using the pneumatic chipping gun, a two (2) person crew will be used. One (1) person will operate the chipping gun and the other will wet the work area and use a HEPA vacuum to capture dust and small debris in the chipping zone. Grinding activities with power tools will be stopped immediately upon observation of dust or debris emissions outside of the tent containment

All work using manual methods/hand tools will be performed within the containment required as per the NYCDEP Asbestos Control Program procedures for exterior caulk removal on vertical building surfaces. If this containment spans an area significantly greater than the caulk removal containment area, additional containment will be constructed to further contain debris.

It is anticipated that only minor limestone surface repair shall occur, as the construction design details currently call for the new windows to fit directly in the existing window openings.

## 6.4 Encapsulant Application

The proposed encapsulant, Sikaguard 670W, will be used for this remediation approach. A specification sheet is provided in Appendix B. Sikaguard 670W is a water dispersed, clear, acrylic, protective coating. Sikaguard 670W prevents moisture ingress, is water vapor permeable and provides an excellent carbonation barrier. All surfaces to be coated must be clean, dry, sound, and frost-free with curing compound residues and any other contaminants removed. The encapsulant will be applied to limestone from the original caulk line to at least 6" away in all directions to the extent possible as summarized below:

 Exterior vertical and horizontal window surrounds – Note that in some locations the limestone surface within 6 inches of the caulk line is enclosed with masonry and therefore these limited locations will not be encapsulated.

Two (2) layers of the encapsulant will be applied. This encapsulant system's intent is to maintain surface PCB levels at  $100 \mu g/100 \text{ cm}^2 \text{ ppm}$  or less.

## 6.5 Confirmatory Wipe Sampling

To confirm that the encapsulant meets performance requirements, confirmatory wipe sampling will be performed at locations potentially accessible to building maintenance personnel. Wipe samples will be collected immediately adjacent to (within 6 inches of the original caulk line) where PCB Bulk Product Waste caulking was removed. The wipe sampling will be conducted after the encapsulant has cured approximately six (6) months after application in order to assess the efficacy of the encapsulation.

Wipe samples will be collected per standard wipe test protocols in accordance with 40 CFR 761.123. Gauze pads which are pre-moistened with hexane, or other appropriate wetting agent, shall be used to collect wipe samples. A one-use template or site specific outline will be used to delineate a 100 cm<sup>2</sup> sampling area. Wipes shall be collected within the sampling area by first wiping in an "S" like motion side to side, followed by folding the wipe media inwards and then wiping the sampling area in an "S" like motion up and down. The wipe media shall then be placed in a glass jar with a Teflon covered lid for transportation in a

cooler where they will be analyzed at a state-certified laboratory for PCBs via EPA Method 8082 and extracted via EPA Method 3540C.

The encapsulant will be shown to be performing adequately if all wipe samples have concentrations of less than 100  $\mu$ g/100 cm<sup>2</sup>. This level was selected because the encapsulant will form a non-porous surface after application. The following confirmatory wipe sampling program is proposed:

- Four (4) exterior wipe samples (per floor) representing all facades
- One (1) trip blank sample for laboratory quality control purposes, per sampling event
- One (1) duplicate sample for laboratory quality control purposes, per sampling event

In total, a minimum of 56 surface samples (in addition to the quality assurance trip and duplicate samples referenced above) will be submitted for laboratory analysis.

If any of the confirmatory wipe samples indicates a PCB concentration greater than 100  $\mu g/100~cm^2$ , and depending upon the extent of the exceedance, and with input from the EPA, NYU will take actions which may include preparation of a more detailed site specific risk assessment to determine if the exposure pathway is complete and if the 100  $\mu g/100~cm^2$  action level is appropriate or if re-coating and re-sampling is appropriate.

Following the wipe sampling at the six (6) month mark (after initial encapsulant application and appropriate response actions, as needed), additional wipe sampling shall be performed at the three (3) and five (5) year mark.

Upon results of these inspections at the six (6) month mark, three (3) year mark, and five (5) year mark, a reevaluation of long term monitoring requirements will be discussed with EPA to determine whether or not additional sampling shall be performed.

## 6.6 Confirmatory Indoor Air Sampling

To support evaluating the efficacy of the remediation program, indoor air sampling will be conducted after all work is completed. Samples will be collected using a Polyurethane Foam (PUF) Media cartridge following EPA Method TO- 10A, Determination and PCBs in Ambient Air Using Low Volume. Samples will be submitted for PCB analysis by EPA Method 680 Modified. The PUF cartridges will be attached to a stand located in the middle of the room being sampled and at a height of approximately 3-5 feet above the floor. The pumps will be calibrated to draw air through the cartridges at an approximate flow rate of five (5) liters per minute for approximately seven (7) hours each. A total of 53 samples from the following locations will be included the program: (four (4) samples per floor from the second floor through 14th floor, and one (1) sample at the sixteenth floor). Samples will be collected from two classroom spaces, an office space, and common area for each of these floors, with the exception of the sixteenth floor where the space is utilized as a mechanical space not accessible to general building occupants. In addition, each floor where sampling is performed shall include one of these spaces from a southern side of the building. Five (5) duplicate samples will be collected as part of the overall project QA/QC measures.

The removal activities and encapsulant systems will be shown to be performing adequately to manage residual PCBs in accessible limestone surrounds if indoor air levels are below the EPA's public health target of 500 nanograms per cubic meter (ng/m3) value for 12 to 15 year olds (middle school population) and adults. If these values are exceeded, additional evaluations will be performed. This may include preparation of a more detailed site specific risk assessment to determine if the target level is appropriate, reviewing surface wipe sample results and determining if HVAC system is providing adequate fresh air exchanges.

#### 6.7 Inspections

Beginning three (3) years following the completion of the confirmatory wipe sampling, NYU will perform an inspection of encapsulated surfaces, focusing on those areas that would be directly accessible to building maintenance personnel. The inspections will be visual in nature, and will be intended to confirm that the coated surfaces are in good condition. The

inspector will visually observe representative coated surfaces at the Site. Evidence of deterioration of the encapsulant, including wear, chipping, or flaking, will be noted.

If encapsulant deterioration (minor chipping, flaking, or wear spots) are noted through visual inspection, NYU will arrange to have those areas re-coated with a double layer of the appropriate product. Following the inspection (and appropriate response actions, as needed) at the three (3) year mark, an additional inspection procedure shall be performed at the five (5) year mark.

The inspections, and any necessary repairs to the coated surfaces, will be documented on an official inspection form, and the forms will be maintained for the life of the building, or until the PCB contaminated material is removed. The inspection form, along with a cover letter outlining any repair of the coated surfaces NYU intends to undertake, will be maintained. An associated Long-Term Monitoring and Maintenance Implementation Plan (MMIP) can be found in Appendix C.

Upon evaluation of the three (3) and five (5) year inspections, a re-evaluation of long term monitoring shall be presented to EPA to determine whether or not additional long term monitoring will need to be performed.

#### 6.8 Deed Notice

NYU, as legal building owner, will record a deed notice for the Site after completion of PCB remedial activities. The deed notice will follow the TSCA requirements outlined at 40 CFR 761.61(a)(8), and will inform any potential future purchaser of the Site that:

- 1. Where PCB Remediation Waste and other PCB containing materials remain;
- Ongoing sampling and monitoring of conditions related to residual PCBs at the Site are required;
- 3. Implementation of SOPs related to intrusive activities of the façade are required for certain activities taking place at the Site; and

4. Proper removal and disposal of remaining PCB-impacted materials is required upon demolition of all or portions of the Site building. Following recording of the deed notice, a copy, along with certification that the deed notice has been recorded with the registry of deeds, will be provided to the EPA.

## 6.9 Waste Characterization, Transport, and Disposal

Wastes will be pre-characterized to the satisfaction of the selected disposal facility prior to initiating any remedial activities. All wastes generated during building remediation activities will be shipped for disposal as PCB Bulk Product Waste (40 CFR 761.62), per the October 24, 2012 EPA Waste Disposal Interpretation. It is currently anticipated that waste will be transported to a Solid Waste Landfill permitted under RCRA Title D and no attempt will be made to segregate the removed material. Remediation waste will be disposed of in accordance with 40 CFR 761.61.

#### 6.10 Equipment Decontamination

All moveable equipment, tools, and sampling equipment which has contacted PCB Bulk Product, State Regulated Waste or Remediation Waste will be decontaminated prior to leaving the site. Decontamination procedures will comply with either §761.79(b)(3)(i)(A) or §761.79(c)(2).

All decontamination wastes, PPE, and polyethylene that come in contact with PCB Bulk Product or Remediation Wastes will be disposed of as PCB Decontamination Wastes in compliance with §761.79(g). These wastes will be segregated as to matrix, aqueous, non-aqueous liquids, or solid materials (e.g., PPE), and stored in drums or lined containers prior to transport from the site for disposal and disposed of as follows:

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 decontamination shall be disposed of in accordance with
§761.61(a)(5)(v).

Aqueous and non-aqueous liquids will be tested for PCB content in compliance with the federal PCB regulations and shipped offsite. Solid Wastes will be containerized with the other regulated PCB wastes generated during the remediation project for transport and disposal.

#### 6.11 Notification and Certification

The removal and abatement measures described within this Request will be initiated after receiving written approval of the plan from EPA. Notification of intent to perform these remedial measures is provided to EPA with this submittal.

In Section 8.0, in accordance with EPA 40 CFR 761.61(a)(3), is a written certification from NYU indicating the location of all reports detailing sample collection and analysis procedures used to assess or characterize the PCB contamination for this Risk-Based PCB Clean-up Request are available for EPA inspection.

#### 7.0 DOCUMENTATION

Documentation of the field activities will be performed on a daily basis by the contractor and remediation monitor during the performance of the remediation and will be summarized at the conclusion of the remediation in a Remedial Action Report (RAR).

#### 7.1 Field Notes

The field inspector will maintain a daily log of on-site activities. That log will include, but not be limited to the following:

- Daily health and safety meetings
- Personnel and equipment on site
- Field procedures and observations
- Remediation progress and extents
- Sample locations, selection criteria, samples collected, analyses performed, sample handling
- · Telephone or other instructions
- Equipment decontamination
- Building structure substrate/surface cover verification testing
- Waste transporter information

#### 7.2 Photographs

Photographs will be taken of representative activities, such as remediation, sample locations, and surface cover excavation. The final extents of the remediation/excavations will also be photographed. Copies of selected photographs will be included in the RAR.

#### 7.3 Transport and Treatment/Disposal Certifications

Manifests and/or Bills of Lading for the transportation, treatment and disposal of waste materials and certifications of the treatment or disposal of the wastes, if necessary, will be obtained from the transporter and from the treatment/disposal facility. Copies of these forms will be included in the RAR.

## 7.4 Report

The RAR will be prepared upon receipt of all analytical data confirming that the removal action was complete and receipt of certifications of treatment/disposal from the treatment/disposal facility. The RAR will include the following.

- Site description
- A description of field procedures
- Verification sample locations and analytical results
- A photographic record of the remediation, excavations and backfilling
- Waste characterization sample data
- Waste transport and treatment disposal information
- Copies of waste manifests and bills of lading

#### 7.5 Recordkeeping

All records and documents required by 40 CFR Part 761, including all those records required under Subpart K, will be prepared for and maintained by NYU. The records shall be maintained in a centralized location for a minimum of three (3) years and will be available for inspection by representatives of EPA if required.

#### 8.0 OWNER CERTIFICATION

This Section of the Request provides the certification required by 40 CFR 761.61(a)(3)(i)(E).

I certify the Risk-Based PCB Clean-up Plan proposed in this document will meet the following requirements:

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 or will be on file at the following location and are available for U.S. EPA inspection:

## **Applicant/Authorized Owner:**

Stephanie Kung
Assistant Director
Environmental Health & Safety
New York University
Division of Operations
10 Astor Place, 6th Floor
New York, NY 10003
Telephone: (212) 998-1439

Email: Stephanie.kung@nyu.edu

Name (Printed)
Signature
Title
Date

# **TABLE**

## PCB Substrate Characterization 1/14/15

## 370 Jay Street, Brooklyn, NY

FLOOR	TRC SPECIFIC SAMPLE LOCATION/ ELEVATION	DESCRIPTION	GZA CAULK RESULTS June 2012 (ppm)	ALC CAULK RESULTS April 2014 (ppm)	ALC CAULK RESULTS May 2014 (ppm)	TRC CAULK / GLAZING RESULTS (ppm)	TRC SUBSTRATE RESULTS 0" (ppm)	GZA SUBSTRATE RESULTS 1" May-June 2012 (ppm)	TRC SUBSTRATE RESULTS 1" (ppm)	GZA SUBSTRATE RESULTS 3" May-June 2012 (ppm)	TRC SUBSTRATE RESULTS 3" (ppm)	TRC SUBSTRATE RESULTS 6" (ppm)	SUBSTRATE	COMMENTS	CAULK / GLAZING SAMPLE ID	SUBSTRATE SAMPLE ID	DATE COLLECTED	LAB/NOTES
Roof	13th Floor Roof	Coping Stone/Parapet Caulk	N/A	N/A	N/A	1.6	N/A	N/A	N/A	N/A	N/A	N/A	Stone	Non-PCB Caulk <50 ppm	102214-RS-01A 102214-RS-01B 102214-RS-01B	N/A	10/22/2014	EMSL
Roof	15th Roof Roof to Staircase "C"	Coping Stone/Parapet Caulk	N/A	N/A	N/A	1.3	N/A	N/A	N/A	N/A	N/A	N/A	Stone	Non-PCB Caulk <50 ppm	102214-RS-02A 102214-RS-02B 102214-RS-02B	N/A	10/22/2014	EMSL
Roof	7th Floor South Roof	Coping Stone/Parapet Caulk	N/A	N/A	N/A	3.6	N/A	N/A	N/A	N/A	N/A	N/A	Stone	Non-PCB Caulk <50 ppm	102214-RS-03A 102214-RS-03B 102214-RS-03B	N/A	10/22/2014	EMSL
Roof	4th Floor Roof	Coping Stone/Parapet Caulk	N/A	N/A	N/A	6.2	N/A	N/A	N/A	N/A	N/A	N/A	Stone	Non-PCB Caulk <50 ppm	102214-RS-04A 102214-RS-04B 102214-RS-04B	N/A	10/22/2014	EMSL
Roof	2nd Floor Roof	Coping Stone/Parapet Caulk	N/A	N/A	N/A	7.4	N/A	N/A	N/A	N/A	N/A	N/A	Stone	Non-PCB Caulk <50 ppm	102214-RS-05A 102214-RS-05B 102214-RS-05B	N/A	10/22/2014	EMSL
Roof	Concourse Mezzanine Roof	Coping Stone/Parapet Caulk	N/A	N/A	N/A	5.1	N/A	N/A	N/A	N/A	N/A	N/A	Stone	Non-PCB Caulk <50 ppm	102214-RS-06A 102214-RS-06B 102214-RS-06B	N/A	10/22/2014	EMSL
Roof	7th Floor North Roof	Coping Stone/Parapet Caulk (Top Layer)	N/A	N/A	N/A	0.99	N/A	N/A	N/A	N/A	N/A	N/A	Stone	Non-PCB Caulk <50 ppm	102214-RS-07A 102214-RS-07B 102214-RS-07B	N/A	10/22/2014	EMSL
Roof	7th Floor North Roof	Coping Stone/Parapet Caulk (Bottom Layer)	N/A	N/A	N/A	1.1	N/A	N/A	N/A	N/A	N/A	N/A	Stone	Non-PCB Caulk <50 ppm	102214-RS-08A 102214-RS-08B 102214-RS-08B	N/A	10/22/2014	EMSL
5th/7th/ 8th Floors	Staircases B/C	Window Glazing		N/A	N/A	150	N/A	N/A	N/A	N/A	N/A	N/A	Metal	PCB Glazing >50 ppm	STAIRCASES C&B-PCB-WG01A-COMPOSITE (7th Floor) STAIRCASES C&B-PCB-WG01B-COMPOSITE (8th Floor) STAIRCASES C&B-PCB-WG01C-COMPOSITE (5th Floor)	N/A	10/10/2014	EMSL
7th/8th/ 9th Floors	Staircase D	Window Glazing		N/A	N/A	38	N/A	N/A	N/A	N/A	N/A	N/A	Metal	Non-PCB Glazing <50 ppm	STAIRCASE D-PCB-WG02A-COMPOSITE (7th Floor) STAIRCASE D-PCB-WG02B-COMPOSITE (8th Floor) STAIRCASE D-PCB-WG02C-COMPOSITE (9th Floor)	N/A	10/10/2014	EMSL
7th/9th/ 11th Floors	North/South/East Elevations	Window Glazing		N/A	N/A	54	N/A	N/A	N/A	N/A	N/A	N/A	Metal	PCB Glazing >50 ppm	EAST/NORTH/SOUTH-PCB-WG03A-COMPOSITE (7th Floor) EAST/NORTH/SOUTH-PCB-WG03B-COMPOSITE (9th Floor) EAST/NORTH/SOUTH-PCB-WG03C-COMPOSITE (11th Floor)	N/A	10/10/2014	EMSL
7th/8th/ 9th Floors	West Elevation	Window Glazing	"Newer" Window = 17,000; 22,000 / "Older" Window =	N/A	N/A	41	N/A	N/A	N/A	N/A	N/A	N/A	Metal	Non-PCB Glazing <50 ppm	WEST-PCB-WG04A-COMPOSITE (7th Floor) WEST-PCB-WG04B-COMPOSITE (8th Floor) WEST-PCB-WG04C-COMPOSITE (9th Floor)	N/A	10/10/2014	EMSL
1st Floor	East Elevation	Exterior Door Frame Caulk	74,000 (exact locations unknown)	N/A	N/A	16.2	N/A	N/A	N/A	N/A	N/A	N/A	Granite	Non-PCB Caulk <50 ppm	1STFL-DC-PCB-01	N/A	8/13/2014	EMSL
1st Floor	East Elevation	Exterior Door Frame Caulk		N/A	N/A	11	N/A	N/A	N/A	N/A	N/A	N/A	Granite	Non-PCB Caulk <50 ppm	GROUNDFL-PCB-EDC-02	N/A	10/7/2014	EMSL
1st Floor	East Elevation	Exterior Window Frame Caulk		N/A	2.4 East 2.3 North	6.5	N/A	N/A	N/A	N/A	N/A	N/A	Granite	Non-PCB Caulk <50 ppm	1STFL-PCB-WC-01	1STFL-PCB-SUB-WC-02 (0") 1STFL-PCB-SUB-WC-03 (1") 1STFL-PCB-SUB-WC-04 (3")	9/11/2014	EMSL
1st Floor	South Elevation	Exterior Garage Gate Caulk		N/A	N/A	2.5	N/A	N/A	N/A	N/A	N/A	N/A	Granite	Non-PCB Caulk <50 ppm	GROUNDFL-PCB-GGC-01	N/A	10/7/2014	EMSL
1st Floor	East Elevation	Exterior Panel/Map Frame/Joint Caulk		N/A	N/A	3.1	N/A	N/A	N/A	N/A	N/A	N/A	Granite	Non-PCB Caulk <50 ppm	GROUNDFL-PCB-PMC-03	N/A	10/7/2014	EMSL
1st Floor	East Elevation	Exterior Window Frame Caulk		N/A	N/A	4.2	N/A	N/A	N/A	N/A	N/A	N/A	Granite	Non-PCB Caulk <50 ppm	GROUNDFL-PCB-EWC-04	N/A	10/7/2014	EMSL
1st Floor	East Elevation	Exterior Window Frame Glazing		N/A	N/A	26.4	N/A	N/A	N/A	N/A	N/A	N/A	Granite	Non-PCB Glazing <50 ppm	GROUNDFL-PCB-WG-05	N/A	10/7/2014	EMSL
1st Floor	East Elevation	Exterior Window Frame Caulk on Top of Glazing		N/A	N/A	4.1	N/A	N/A	N/A	N/A	N/A	N/A	Granite	Non-PCB Caulk <50 ppm	GROUNDFL-PCB-EWC-06	N/A	10/7/2014	EMSL
1st Floor	East Elevation	Exterior Door Frame Caulk		N/A	N/A	2.6	N/A	N/A	N/A	N/A	N/A	N/A	Granite	Non-PCB Caulk <50 ppm	GROUNDFL-PCB-DC-07	N/A	10/7/2014	EMSL

# PCB Substrate Characterization 1/14/15

# 370 Jay Street, Brooklyn, NY

FLOOR	TRC SPECIFIC SAMPLE LOCATION/ ELEVATION	DESCRIPTION	GZA CAULK RESULTS June 2012 (ppm)	ALC CAULK RESULTS April 2014 (ppm)	ALC CAULK RESULTS May 2014 (ppm)	TRC CAULK / GLAZING RESULTS (ppm)	TRC SUBSTRATE RESULTS 0" (ppm)	GZA SUBSTRATE RESULTS 1" May-June 2012 (ppm)	TRC SUBSTRATE RESULTS 1" (ppm)	GZA SUBSTRATE RESULTS 3" May-June 2012 (ppm)	TRC SUBSTRATE RESULTS 3" (ppm)	TRC SUBSTRATE RESULTS 6" (ppm)	STRATE COMMENTS	CAULK / GLAZING SAMPLE ID	SUBSTRATE SAMPLE ID	DATE COLLECTED	LAB/NOTES
2nd Floor	South Elevation	Exterior Window Frame Caulk		N/A		32,000	370		7.5		0.64	Sample Hold Lime	estone >25 ppm @ 0"	2NDFL-PCB-WC-07	2NDFL-PCB-SUB-WC-07 (0") 2NDFL-PCB-SUB-WC-19 (1") 2NDFL-PCB-SUB-WC-20 (3")	8/6/2014 & 9/8/2014	1 EMSL
2nd Floor	West Elevation	Exterior Window Frame Caulk		N/A	2.2 West	20,000 West	490	3	13	ND ND	0.78	Sample Hold Lime	estone >25 ppm @ 0"	2NDFL-PCB-WC-08	2NDFL-PCB-SUB-WC-08 (0") 2NDFL-PCB-SUB-WC-22 (1") 2NDFL-PCB-SUB-WC-23 (3")	8/6/2014 & 9/8/2014	1 EMSL
2nd Floor	North Elevation	Exterior Window Frame Caulk		N/A	2.6 South	N/A	150		38	- ND	0.49 (RL	) Sample Hold Lime	estone >25 ppm @ 1"	N/A	2NDFL-PCB-SUB-WC-10 (0") 2NDFL-PCB-SUB-WC-11 (1") 2NDFL-PCB-SUB-WC-12 (3")	9/26/2014	EMSL
2nd Floor	West Elevation	Exterior Window Frame Caulk		N/A		N/A	240		7.3	7.3	0.49 (RL	) Sample Hold Lime	estone >25 ppm @ 0"	N/A	2NDFL-PCB-SUB-WC-01 (0") 2NDFL-PCB-SUB-WC-02 (1") 2NDFL-PCB-SUB-WC-03 (3")	9/30/2014	EMSL
3rd Floor	West Elevation	Exterior Window Frame Caulk		N/0		35,000	570	N/A	17	N/A	0.88	Sample Hold Lime	estone >25 ppm @ 0"	3RDFL-PCB-WC-09	3RDFL-PCB-SUB-WC-09 (0") 3RDFL-PCB-SUB-WC-16 (1") 3RDFL-PCB-SUB-WC-17 (3")	8/7/2014 & 9/8/2014	EMSL
3rd Floor	West Elevation	Exterior Window Frame Caulk		N/A	04 000 North 00 000	230	260	N/A	0.61	N/A	0.5 (RL	) Sample Hold Lime	estone >25 ppm @ 0"	3RDFL-PCB-WC-10	3RDFL-PCB-SUB-WC-10 (0") 3RDFL-PCB-SUB-WC-13 (1") 3RDFL-PCB-SUB-WC-14 (3")	8/7/2014 & 9/8/2014	1 EMSL
3rd Floor	South Elevation	Exterior Window Frame Caulk		N/A	81,000 North 80,000 East	N/A	200	N/A	16	N/A	0.86	Sample Hold Lime	estone >25 ppm @ 0"	N/A	3RDFL-PCB-SUB-WC-06 (0") 3RDFL-PCB-SUB-WC-07 (1") 3RDFL-PCB-SUB-WC-08 (3")	9/11/2014	EMSL
3rd Floor	North Elevation	Exterior Window Frame Caulk		N/A		N/A	120	N/A	10	N/A	1.0	0.56 Lime	estone >25 ppm @ 0"	N/A	3RDFL-PCB-SUB-WC-14 (0") 3RDFL-PCB-SUB-WC-15 (1") 3RDFL-PCB-SUB-WC-16 (3") 3RDFL-PCB-SUB-WC-17 (6")	9/26/2014	EMSL
4th Floor	South Elevation	Exterior Window Frame Caulk		N/A		21,000	300	N/A	7.2	N/A	0.5 (RL	Sample Hold Lime	estone >25 ppm @ 0"	4THFL-PCB-WC-11	4THFL-PCB-SUB-WC-11 (0") 4THFL-PCB-SUB-WC-07 (1") 4THFL-PCB-SUB-WC-08 (3")	8/7/2014 & 9/8/2014	1 EMSL
4th Floor	West Elevation	Exterior Window Frame Caulk		N/A	68,000 West 15,000 South	57,000	990	N/A	41	N/A	1.1	Sample Hold Lime	estone >25 ppm @ 1"	4THFL-PCB-WC-12	4THFL-PCB-SUB-WC-12 (0") 4THFL-PCB-SUB-WC-10 (1") 4THFL-PCB-SUB-WC-11 (3")	8/7/2014 & 9/8/2014	1 EMSL
4th Floor	North Elevation	Exterior Window Frame Caulk	"Newer" Window =	N/A		N/A	220	N/A	22	N/A	0.63	Sample Hold Lime	estone >25 ppm @ 0"	N/A	4THFL-PCB-SUB-WC-18 (0") 4THFL-PCB-SUB-WC-19 (1") 4THFL-PCB-SUB-WC-20 (3")	9/26/2014	EMSL
5th Floor	West Elevation	Exterior Window Frame Caulk	17,000; 22,000 / "Older" Window = 74,000 (exact	N/A		N/A	480	N/A	19	N/A	0.49 (RL	) Sample Hold Lime	estone >25 ppm @ 0"	N/A	5THFL-PCB-SUB-WC-29 (0") 5THFL-PCB-SUB-WC-30 (1") 5THFL-PCB-SUB-WC-31 (3")	9/4/2014	EMSL
5th Floor	East Elevation	Exterior Window Frame Caulk	locations unknown)	.,,,,	22,000 East 97,000 North	N/A	640	N/A	30	N/A	2.1	Sample Hold Lime	estone >25 ppm @ 1"	N/A	5THFL-PCB-SUB-WC-13 (0") 5THFL-PCB-SUB-WC-14 (1") 5THFL-PCB-SUB-WC-15 (3")	8/28/2014	EMSL
5th Floor	North Elevation	Exterior Window Frame Caulk		N/A	N/A	240	N/A	13	N/A	0.64	Sample Hold Lime	estone >25 ppm @ 0"	N/A	5THFL-PCB-SUB-WC-22 (0") 5THFL-PCB-SUB-WC-23 (1") 5THFL-PCB-SUB-WC-24 (3")	9/26/2014	EMSL	
6th Floor	West Elevation	Exterior Window Frame Caulk			23,000 South	N/A	380	N/A	7.4	N/A	0.9	Sample Hold Lime	estone >25 ppm @ 0"	N/A	6THFL-PCB-SUB-WC-25 (0") 6THFL-PCB-SUB-WC-26 (1") 6THFL-PCB-SUB-WC-27 (3")	9/4/2014	EMSL
6th Floor	East Elevation	Exterior Window Frame Caulk		N/A	27,000 West	N/A	340	N/A	14	N/A	0.8	0.63 Lime	estone >25 ppm @ 0"	N/A	6THFL-PCB-SUB-WC-09 (0") 6THFL-PCB-SUB-WC-10 (1") 6THFL-PCB-SUB-WC-11 (3") 6THFL-PCB-SUB-WC-12 (6")	8/28/2014	EMSL
7th Floor	North Elevation	Exterior Window Frame Caulk		54,000	26,000 North	8,000	57		24		0.81	Sample Hold Lime	estone >25 ppm @ 0"	7THFL-PCB-WC-01	7THFL-PCB-SUBWC-01 (0") 7THFL-PCB-SUB-WC-33 (1") 7THFL-PCB-SUB-WC-34 (3")	8/5/2014 & 9/4/2014	1 EMSL
7th Floor	South Elevation	Exterior Window Frame Caulk		28	41,000 East	15,000	140	3.4	0.68	ND	9.7	0.5 (RL) Lime	estone >25 ppm @ 0"	7THFL-PCB-WC-02	7THFL-PCB-SUB-WC-02 (0") 7THFL-PCB-SUB-WC-36 (1") 7THFL-PCB-SUB-WC-37 (3") 7THFL-PCB-SUB-WC-38 (6")	8/5/2014 & 9/4/2014	1 EMSL
8th Floor	West Elevation	Exterior Window Frame Caulk		N/A	15,000 West	23,000	220	N/A	20	N/A	0.8	Sample Hold Lime	estone >25 ppm @ 0"	8THFL-PCB-WC-03	8THFL-PCB-SUB-WC-03 (0") 8THFL-PCB-SUB-WC-01 (1") 8THFL-PCB-SUB-WC-02 (3")	8/5/2014 & 9/8/2014	1 EMSL
8th Floor	West Elevation	Exterior Window Frame Caulk		IV/A	20,000 South	25,000	320	N/A	19	N/A	0.8	Sample Hold Lime	estone >25 ppm @ 0"	8THFL-PCB-WC-04	8THFL-PCB-SUB-WC-04 (0") 8THFL-PCB-SUB-WC-04 (1") 8THFL-PCB-SUB-WC-05 (3")	8/5/2014 & 9/8/2014	1 EMSL
9th Floor	South Elevation	Exterior Window Frame Caulk				N/A	290	N/A	21	N/A	2.2	Sample Hold Lime	estone >25 ppm @ 0"	N/A	9THFL-PCB-SUB-WC-17 (0") 9THFL-PCB-SUB-WC-18 (1") 9THFL-PCB-SUB-WC-19 (3")	9/5/2014	EMSL
9th Floor	West Elevation	Exterior Window Frame Caulk		N/A	46,000 North 32,000 East	N/A	190	N/A	5.7	N/A	0.5 (RL	) Sample Hold Lime	estone >25 ppm @ 0"	N/A	9THFL-PCB-SUB-WC-21 (0") 9THFL-PCB-SUB-WC-22 (1") 9THFL-PCB-SUB-WC-23 (3")	9/3/2014	EMSL
9th Floor	East Elevation	Exterior Window Frame Caulk				N/A	420	N/A	26	N/A	1.7	Sample Hold Lime	estone >25 ppm @ 1"	N/A	9THFL-PCB-SUB-WC-05 (0") 9THFL-PCB-SUB-WC-06 (1") 9THFL-PCB-SUB-WC-07 (3")	8/27/2014	EMSL

## PCB Substrate Characterization 1/14/15

# 370 Jay Street, Brooklyn, NY

FLOOR	TRC SPECIFIC SAMPLE LOCATION/ ELEVATION	DESCRIPTION	GZA CAULK RESULTS June 2012 (ppm)	ALC CAULK RESULTS April 2014 (ppm)	ALC CAULK RESULTS May 2014 (ppm)	TRC CAULK / GLAZING RESULTS (ppm)	TRC SUBSTRATE RESULTS 0" (ppm)	GZA SUBSTRATE RESULTS 1" May-June 2012 (ppm)	TRC SUBSTRATE RESULTS 1" (ppm)	GZA SUBSTRATE RESULTS 3" May-June 2012 (ppm)	TRC SUBSTRATE RESULTS 3" (ppm)	TRC SUBSTRATE RESULTS 6" (ppm)	SUBSTRATE	COMMENTS	CAULK / GLAZING SAMPLE ID	SUBSTRATE SAMPLE ID	DATE COLLECTED	LAB/NOTES												
10th Floor	South Elevation	Exterior Window Frame Caulk				N/A	410	N/A	17	N/A	0.82	Sample Hold	Limestone	>25 ppm @ 0"	N/A	10THFL-PCB-SUB-WC-13 (0") 10THFL-PCB-SUB-WC-14 (1") 10THFL-PCB-SUB-WC-15 (3")	9/5/2014	EMSL												
10th Floor	West Elevation	Exterior Window Frame Caulk		N/A	N/A	16,000 West 24,000 South	N/A	280	N/A	7	N/A	0.87	Sample Hold	Limestone	>25 ppm @ 0"	N/A	10THFL-PCB-SUB-WC-17 (0") 10THFL-PCB-SUB-WC-18 (1") 10THFL-PCB-SUB-WC-19 (3")	9/3/2014	EMSL											
10th Floor	East Elevation	Exterior Window Frame Caulk				N/A	380	N/A	14	N/A	2.5	1.8	Limestone	>25 ppm @ 0"	N/A	10THFL-PCB-SUB-WC-01 (0") 10THFL-PCB-SUB-WC-02 (1") 10THFL-PCB-SUB-WC-03 (3") 10THFL-PCB-SUB-WC-04 (6")	8/27/2014	EMSL												
11th Floor	South Elevation	Exterior Window Frame Caulk											N/A	56,000 East 45,000 North	N/A	380	N/A	27	N/A	1.4	Sample Hold	Limestone	>25 ppm @ 1"	N/A	11THFL-PCB-SUB-WC-09 (0") 11THFL-PCB-SUB-WC-10 (1") 11THFL-PCB-SUB-WC-11 (3")	9/5/2014	EMSL			
11th Floor	West Elevation	Exterior Window Frame Caulk													N/A	N/A 56,000 East	N/A	210	N/A	4.4	N/A	0.93	Sample Hold	Limestone	>25 ppm @ 0"	N/A	11THFL-PCB-SUB-WC-13 (0") 11THFL-PCB-SUB-WC-14 (1") 11THFL-PCB-SUB-WC-15 (3")	9/2/2014	EMSL	
11th Floor	East Elevation	Exterior Window Frame Caulk		IV/A	N/A	45,000 North	N/A	570	N/A	15	N/A	2.5	Sample Hold	Limestone	>25 ppm @ 0"	N/A	11THFL-PCB-SUB-WC-03 (0") 11THFL-PCB-SUB-WC-04 (1") 11THFL-PCB-SUB-WC-05 (3")	8/26/2014	EMSL											
12th Floor	South Elevation	Exterior Window Frame Caulk	Newer Window = 17,000 ; 22,000 /		17,000 ; 22,000 /	17,000 ; 22,000 /	17,000 ; 22,000 /	17,000 ; 22,000 /										N/A	190	N/A	14	N/A	2.1	Sample Hold	Limestone	>25 ppm @ 0"	N/A	12THFL-PCB-SUB-WC-05 (0") 12THFL-PCB-SUB-WC-06 (1") 12THFL-PCB-SUB-WC-07 (3")	9/5/2014	EMSL
12th Floor	East Elevation	Exterior Window Frame Caulk	"Older" Window = 74,000 (exact locations unknown)	140 32,0	32,000 West 33,000 South	N/A	260	N/A	13	N/A	2.2	Sample Hold	Limestone	>25 ppm @ 0"	N/A	12THFL-PCB-SUB-WC-02 (0") 12THFL-PCB-SUB-WC-06 (1") 12THFL-PCB-SUB-WC-07 (3")	8/25-26/2014	EMSL												
12th Floor	West Elevation	Exterior Window Frame Caulk				N/A	350	N/A	8.4	N/A	1.1	Sample Hold	Limestone	>25 ppm @ 0"	N/A	12THFL-PCB-SUB-WC-09 (0") 12THFL-PCB-SUB-WC-10 (1") 12THFL-PCB-SUB-WC-11 (3")	9/2/2014	EMSL												
13th Floor	South Elevation	Exterior Window Frame Caulk				N/A	280	N/A	33	N/A	7.1	Sample Hold	Limestone	>25 ppm @ 1"	N/A	13THFL-PCB-SUB-WC-01 (0") 13THFL-PCB-SUB-WC-02 (1") 13THFL-PCB-SUB-WC-03 (3")	9/5/2014	EMSL												
13th Floor	East Elevation	Exterior Window Frame Caulk		82	18,000 North 21,000 East	N/A	580	N/A	16	N/A	3.7	Sample Hold	Limestone	>25 ppm @ 0"	N/A	13THFL-PCB-SUB-WC-01 (0") 13THFL-PCB-SUB-WC-08 (1") 13THFL-PCB-SUB-WC-09 (3")	8/25-26/2014	EMSL												
13th Floor	West Elevation	Exterior Window Frame Caulk				N/A	340	N/A	4.7	N/A	1.3	0.65	Limestone	>25 ppm @ 0"	N/A	13THFL-PCB-SUB-WC-05 (0") 13THFL-PCB-SUB-WC-06 (1") 13THFL-PCB-SUB-WC-07 (3") 13THFL-PCB-SUB-WC-08 (6")	8/29/2014	EMSL												
14th Floor	West Elevation	Exterior Window Frame Caulk		5,300	N/A	N/A	110	N/A	5.4	N/A	0.89	Sample Hold	Limestone	>25 ppm @ 0"	N/A	14THFL-PCB-SUB-WC-01 (0") 14THFL-PCB-SUB-WC-02 (1") 14THFL-PCB-SUB-WC-03 (3")	8/29/2014	EMSL												
14th Floor	East Elevation	Exterior Window Frame Caulk/Expansion Joint Caulk		1.5 0.97	2.1 West 6.7 South	1.3	ND	ND	N/A	ND	N/A	N/A	Stucco	<25 ppm	14THFL-PCB-WC-05	14THFL-PCB-SUB-WC-05	8/6/2014	EMSL												
14th Floor	South Elevation	Exterior Window Frame Caulk		3.37	3.7 30411	ND	ND		N/A		N/A	N/A	Stucco	<25 ppm	14THFL-PCB-WC-06	14THFL-PCB-SUB-WC-06	8/6/2014	EMSL												
AVERAGE SUBSTRATE CONCENTRATION:									15.51		1.41	0.91																		
MEDIAN CONCENTRATION:						295	N/A	14	N/A	0.895	0.64	N/A	<500 ppm @ 0" (Average)	N/A	N/A	N/A	N/A													
					MODE	CONCENTRATION:	380		13		0.245	N/A																		

DAILY SUBSTRATE EQUIPMENT SAMPLES

8/6/2014	Below Reporting Limit (0.47 ppm)
8/7/2014	Below Reporting Limit (0.50 ppm)
8/25/2014	Below Reporting Limit (0.50 ppm)
8/26/2014	Below Reporting Limit (0.50 ppm)
8/27/2014	Below Reporting Limit (0.50 ppm)
8/28/2014	Below Reporting Limit (0.50 ppm)
8/29/2014	Below Reporting Limit (0.50 ppm)
9/2/2014	Below Reporting Limit (0.50 ppm)
9/3/2014	Below Reporting Limit (0.49 ppm)
9/4/2014	Below Reporting Limit (0.49 ppm)
9/5/2014	Below Reporting Limit (0.50 ppm)
9/8/2014	Below Reporting Limit (0.50 ppm)
9/11/2014	Below Reporting Limit (0.50 ppm)
9/26/2014	Below Reporting Limit (0.48 ppm)
9/30/2014	Below Reporting Limit (0.48 ppm)

Notes N/A = Not Analyzed ND = Not Detected ppm = parts per million RL = Reporting Limit

### **FIGURES**

**%**⊢



Checked by:

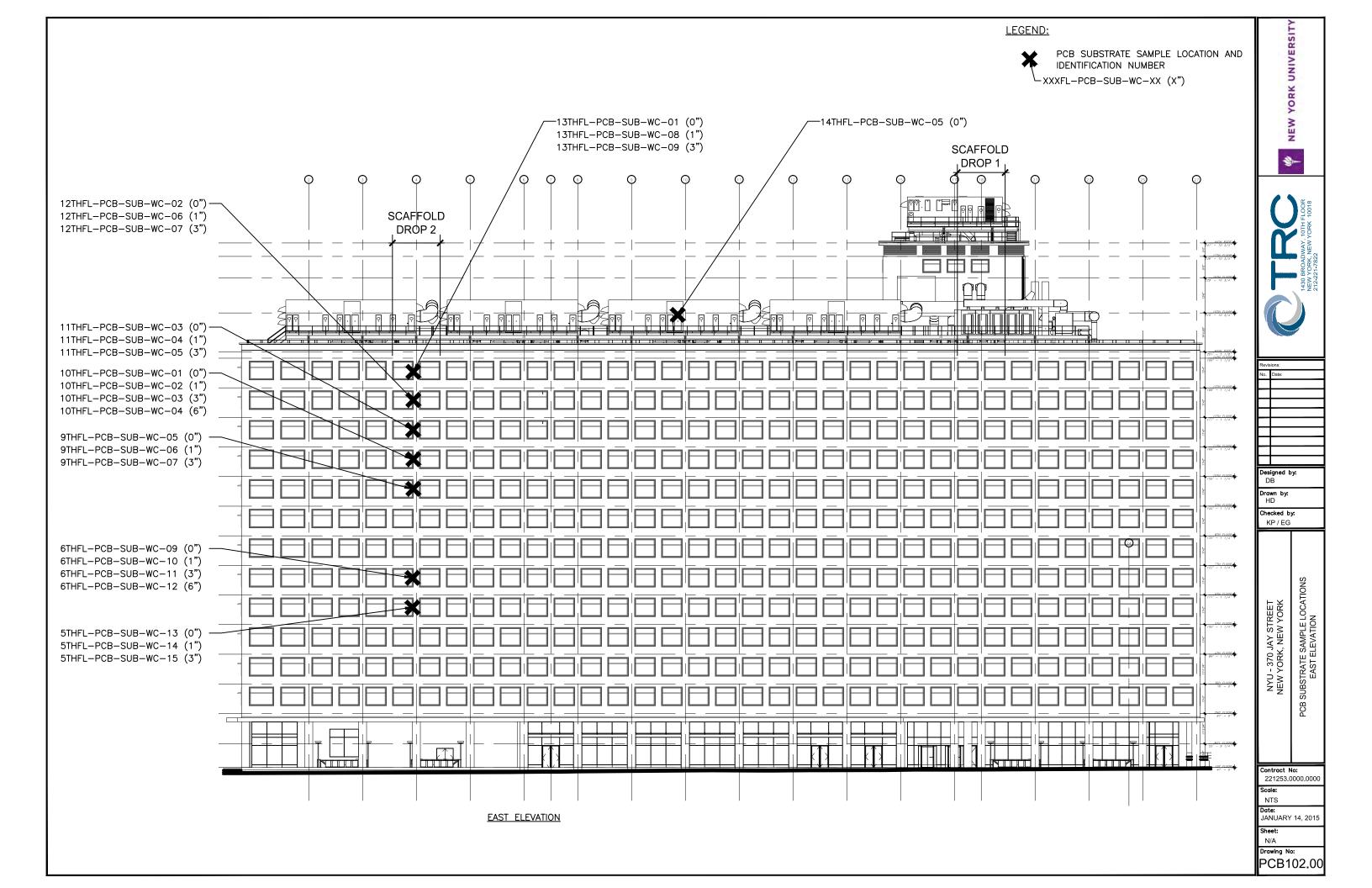
KP/EG

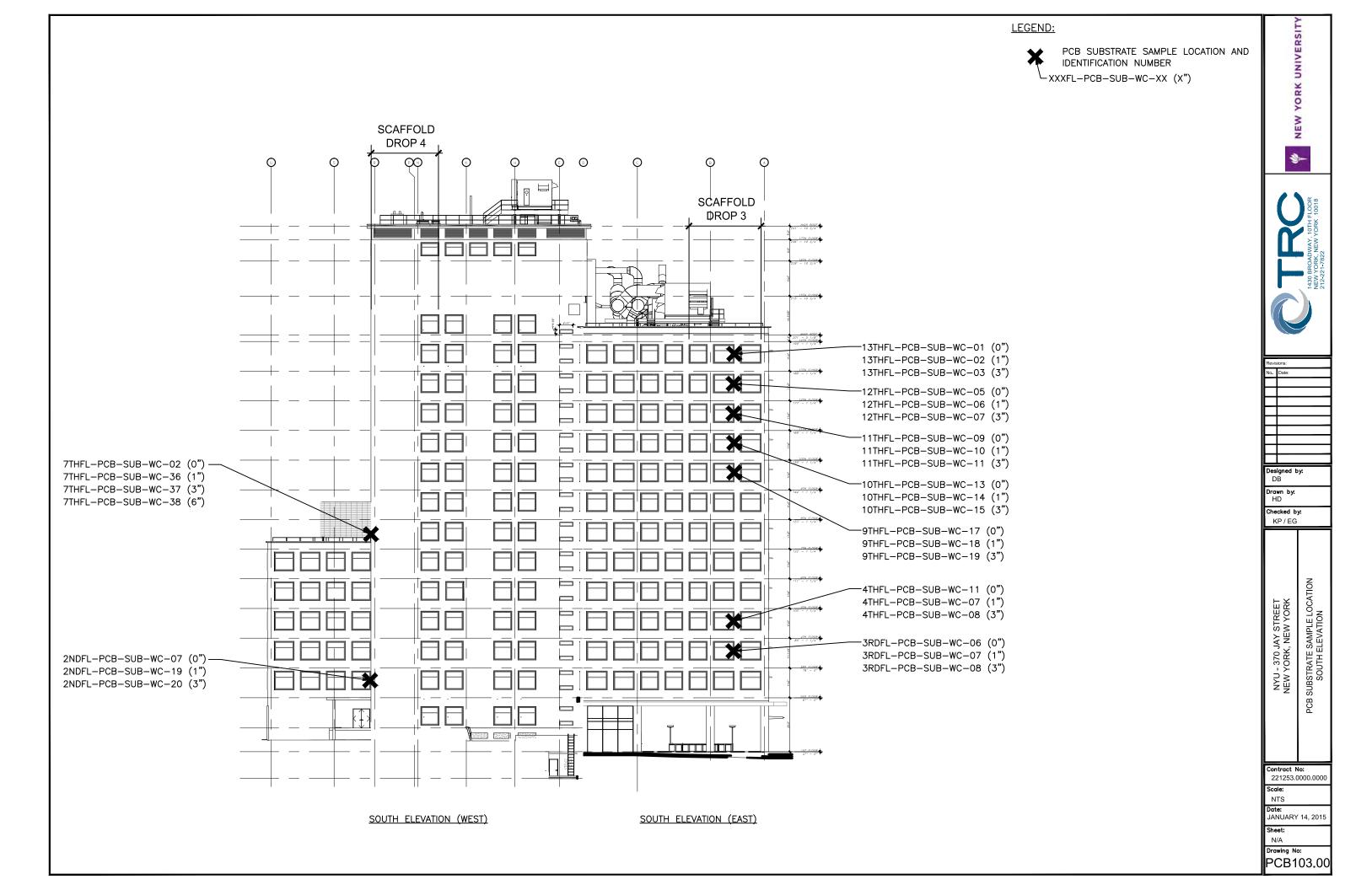
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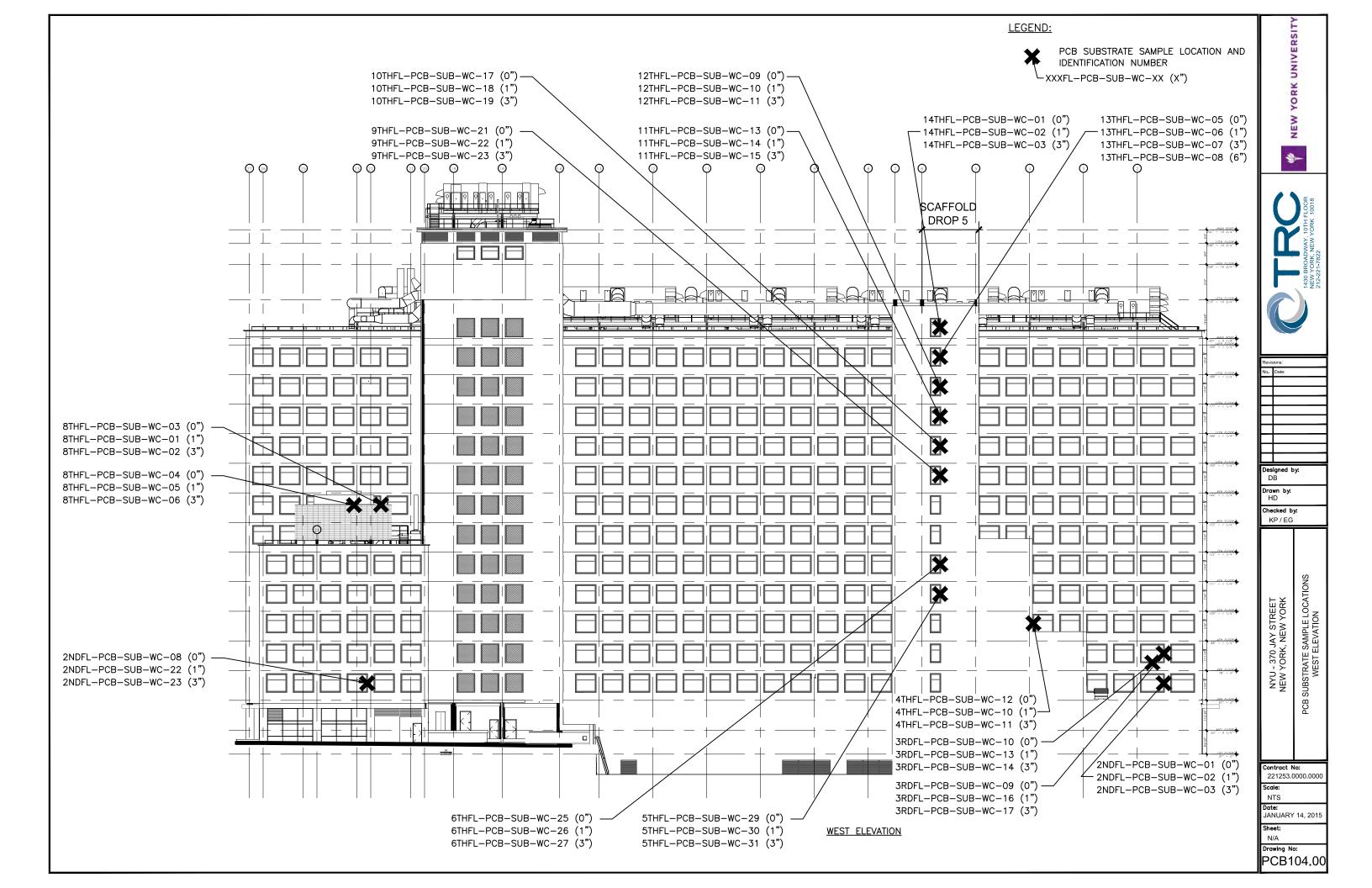
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Date: JANUARY 14, 2015

Drawing No: PCB101.00









AREA OF PCB CAULK AND PCB CONTAMINATED LIMESTONE AROUND WINDOW MASONRY OPENINGS



**NEW YORK UNIVERSITY** 

Designed by: DB

Checked by: KP / EG

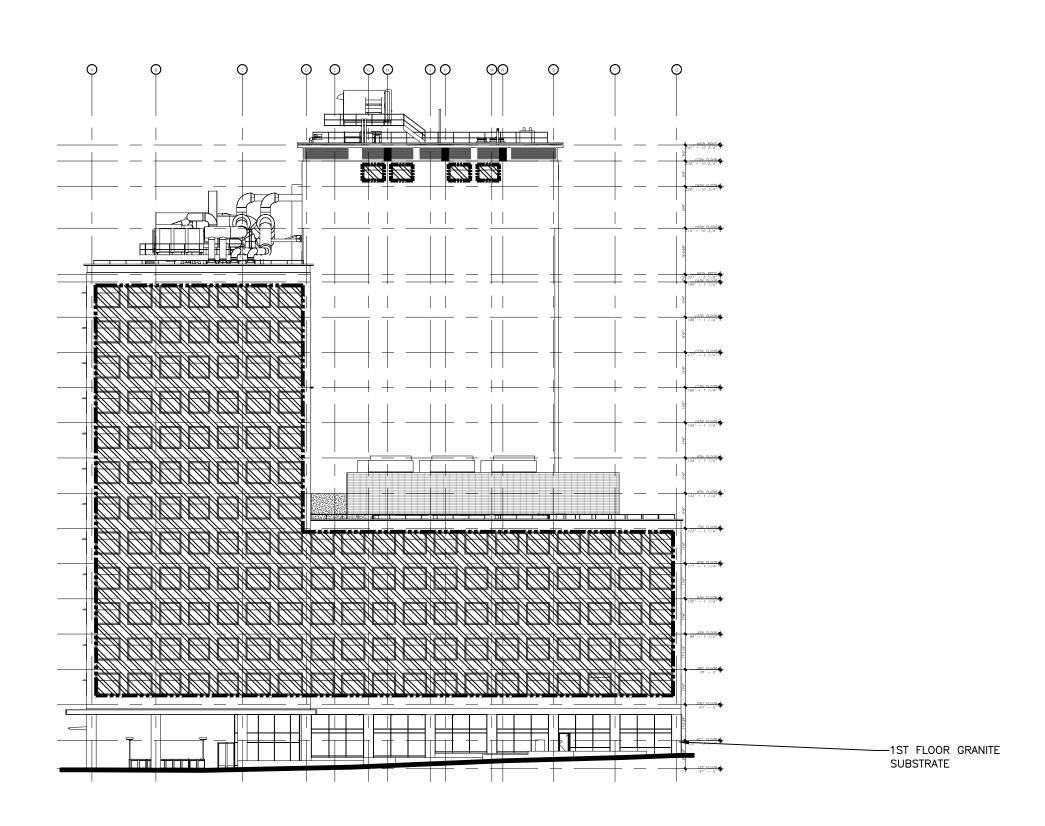
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NEW YORK, NEW YORK
AREAS OF PCB AND PCB CONTAMINATED LIMESTONE
AROUND WINDOW MASONRY OPENINGS
NORTH ELEVATION

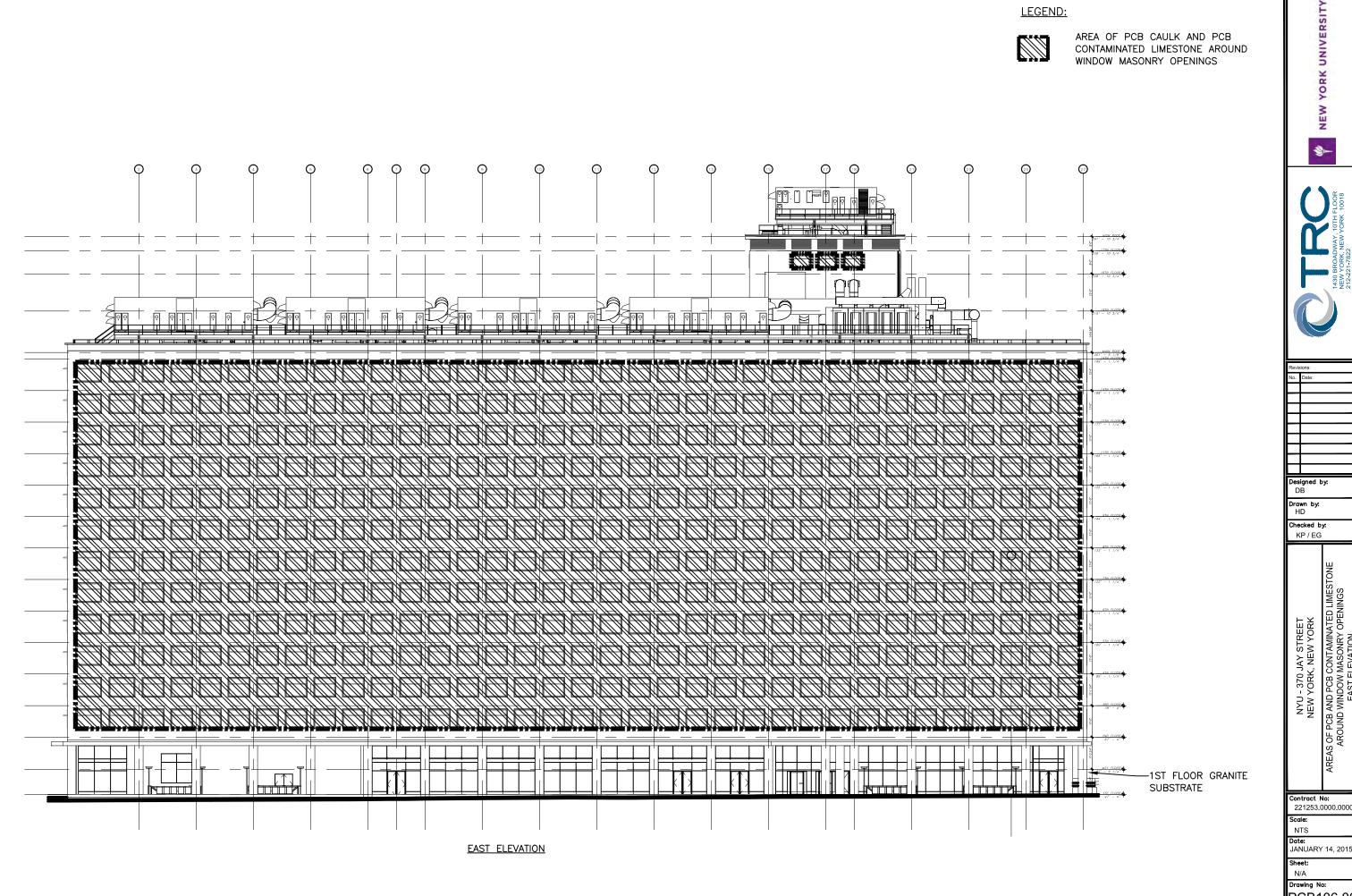
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NTS

Date: JANUARY 14, 2015

Drawing No: PCB105.00





221253.0000.0000

Date: JANUARY 14, 2015

PCB106.00

AREA OF PCB CAULK AND PCB CONTAMINATED LIMESTONE AROUND WINDOW MASONRY OPENINGS



NEW YORK UNIVERSITY

Designed by: DB

> Drawn by: HD

Checked by: KP / EG

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NTO - 3/0 JAT STREET
NEW YORK, NEW YORK
SB AND PCB CONTAMINATEI

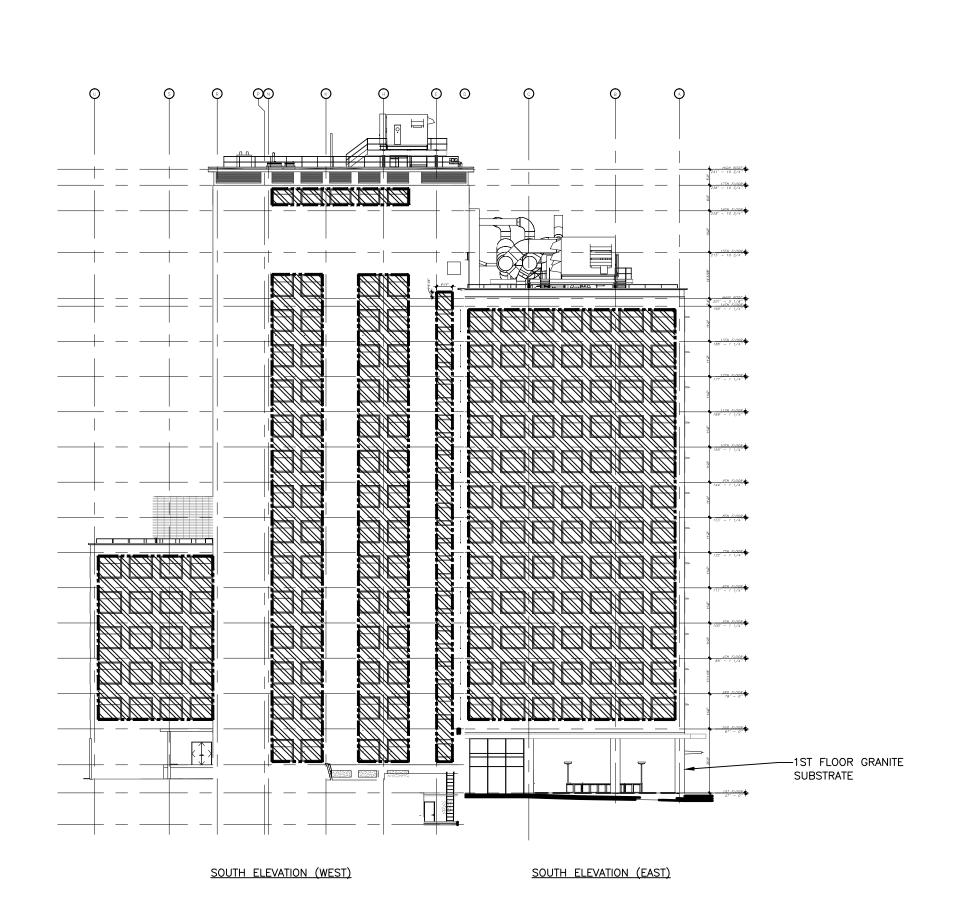
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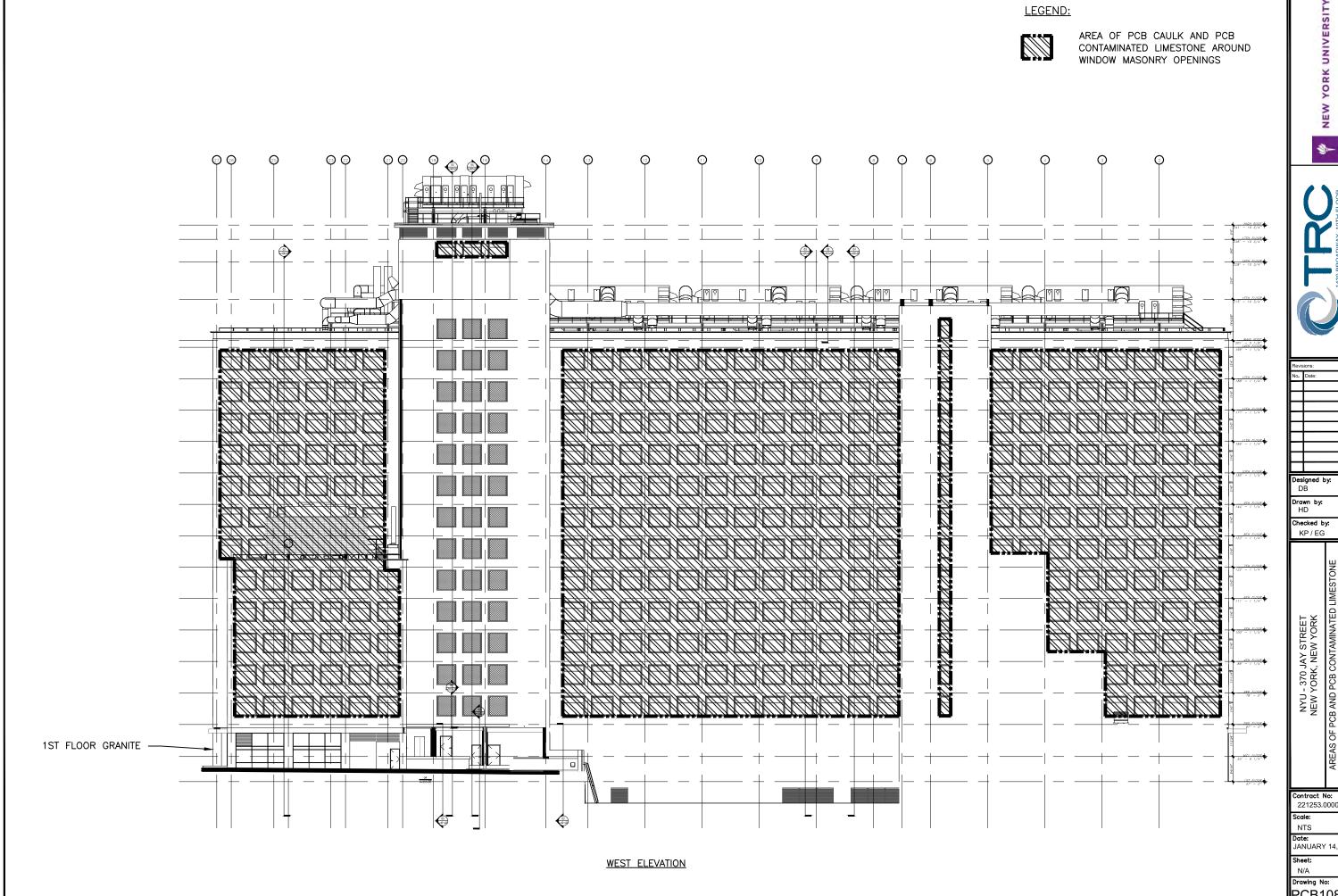
Scale:

Date: JANUARY 14, 2015

> heet: N/A

Drawing No: PCB107.00





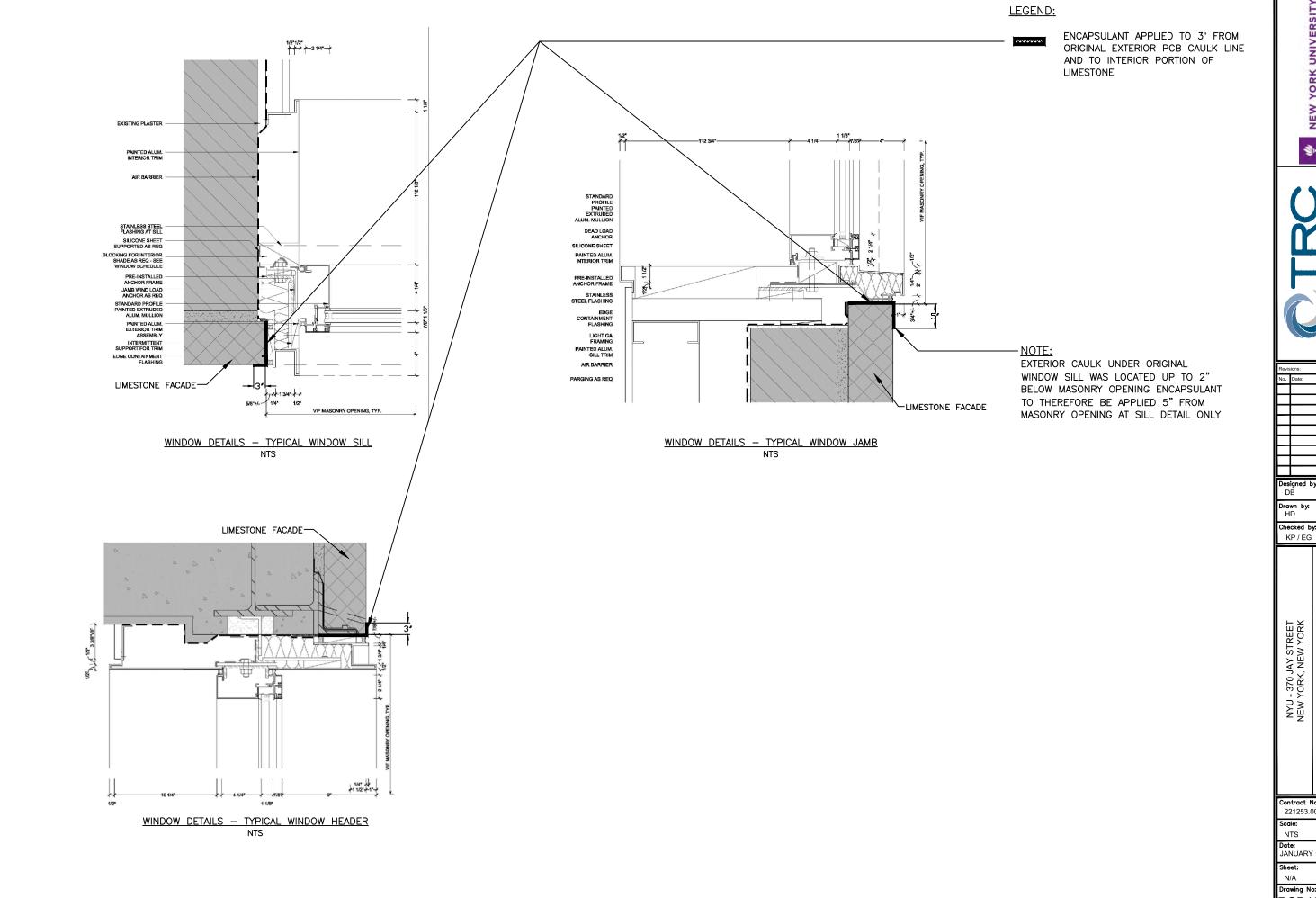




221253.0000.0000

Date: JANUARY 14, 2015

PCB108.00



NEW YORK UNIVERSITY

\$-

Designed by: DB

Checked by:

PCB WINDOW ENCAPSULATION DETAILS 'YPICAL WINDOW SILL, JAMB AND HEADER

Contract No: 221253.0000.000

NTS

Date: JANUARY 14, 2015

Drawing No: PCB109.00

### APPENDIX A LABORATORY ANALYTICAL DATA



200 Route 130 North, Cinnaminson, NJ 08077

Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com Phone: (856) 303-2500

Attn:

**Daren Bryant TRC Environmental Corporation** 1430 Broadway 10th Floor New York, NY 10018

Fax:

Phone: (212) 221-7822 (212) 221-7840

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 8/6/2014. The results are tabulated on the attached data pages for the following client designated project:

221253.0000.000 / 370 Jay St., Brooklyn, NY

The reference number for these samples is EMSL Order #011404131. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Reviewed and Approved By:

Julie Smith - Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted. NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

Revised Report- Sample ID for -0001 revised to reflect the client COC. - Original Report 8/14/14

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

8/14/2014



Attn: Daren Bryant

### **EMSL** Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

http://www.EMSL.com EnvChemistry2@emsl.com EMSL Order: CustomerID: CustomerPO: 011404131 TRCE51

ProjectID:

Phone: Fax: Received: (212) 221-7822 (212) 221-7840 08/06/14 9:30 AM

**TRC Environmental Corporation** 1430 Broadway 10th Floor New York, NY 10018

Project: 221253.0000.000 / 370 Jay St., Brooklyn, NY

		Analytical F	Result	S				
Client Sample Desc	7th FIPCB-SUB-WC-01 Substrate below ext. wind		•	Collected:	8/5/2014 9:39:00 AM	Lab ID:	0001	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	4.9	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1221	ND	4.9	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1232	ND	4.9	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1242	ND	4.9	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1248	ND	4.9	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1254	57	4.9	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1260	ND	4.9	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1262	ND	4.9	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1268	ND	4.9	mg/Kg	8/8/2014	AB	8/12/2014	EH
Client Sample Desc	cription 7th FIPCB-SUB-WC-02 Substrate below ext. wind			Collected:	8/5/2014 10:32:00 AM	Lab ID:	0002	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	10	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1221	ND	10	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1232	ND	10	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1242	ND	10	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1248	ND	10	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1254	140	10	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1260	ND	10	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1262	ND	10	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1268	ND	10	mg/Kg	8/8/2014	AB	8/12/2014	EH
Client Sample Des	cription 8th FIPCB-SUB-WC-03 Substrate below ext. win			Collected:	8/5/2014 11:48:00 AM	Lab ID:	0003	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	20	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1221	ND	20	mg/Kg	8/8/2014	АВ	8/12/2014	EH
3540C/8082A	Aroclor-1232	ND	20		8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1242	ND	20		8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1248	ND	20	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1254	220	20	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1260	ND	20		8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1262	ND	20	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Aroclor-1268	ND	20	mg/Kg	8/8/2014	AB	8/12/2014	EH



**200 Route 130 North, Cinnaminson, NJ 08077** Phone/Fax: (856) 303-2500 / (856) 858-4571

 EMSL Order: 0
CustomerID: T

011404131 TRCE51

ID: TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant
TRC Environmental Corporation
1430 Broadway
10th Floor
New York, NY 10018

Project: 221253.0000.000 / 370 Jay St., Brooklyn, NY

Phone: (212) 221-7822 Fax: (212) 221-7840 Received: 08/06/14 9:30 AM

**Analytical Results** 

Client Sample Desc	ription	8th FIPCB-SUB-WC		(	Collected:	8/5/2014 11:52:00 AM	Lab ID:	0004	
Method	P	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	А	roclor-1016	ND	25	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Α	roclor-1221	ND	25	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Α	roclor-1232	ND	25	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	А	roclor-1242	ND	25	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	А	roclor-1248	ND	25	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Α	roclor-1254	320	25	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	А	roclor-1260	ND	25	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	А	roclor-1262	ND	25	mg/Kg	8/8/2014	AB	8/12/2014	EH
3540C/8082A	Α	roclor-1268	ND	25	mg/Kg	8/8/2014	AB	8/12/2014	EH

### **Definitions:**

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit

### SOIL / SOLID SURROGATE RECOVERY

Lab Name:

**EMSL Analytical** 

\*: Values outside of QC limits

D: Surrogate diluted out

D. Odirogato anato	4 541					
	Compound Name:	TCX	TCX2	DCB	DCB2	Total Out
	CAS #:	877-09-8	877-09-8	2051-24-3	2051-24-3	
	QC Limits:	(30-137)	(30-137)	(30-138)	(30-138)	
MB 1 OP 3084-35	08/11/14 15:53	85	90	77	83	0
LCS 1 OP 3084-35	08/11/14 16:23	92	95	78	82	0
011403914-1 10X	08/11/14 16:53	116 D	139 D	125 D	140 D	0
011404118-1 10X	08/11/14 17:24	106 D	130 D	112 D	123 D	0
011404118-2 10X	08/11/14 17:54	111 D	134 D	116 D	126 D	0
011404118-3 10X	08/11/14 18:24	109 D	129 D	115 D	125 D	0
011404118-7 4X	08/11/14 18:54	93 D	107 D	92 D	100 D	0
011404118-8 4X	08/11/14 19:24	101 D	119 D	98 D	106 D	0
011404118-9 4X	08/11/14 19:55	93 D	109 D	95 D	103 D	0
011404118-1 MS	08/11/14 22:25	104 D	121 D	107 D	117 D	0
011404140-1 4X	08/11/14 22:25	98 D	102 D	84 D	85 D	0
011404140-2 4X	08/11/14 22:53	56 D	60 D	45 D	47 D	0
011404118-1 MS	08/11/14 22:56	100 D	116 D	105 D	115 D	0
011404140-3 4X	08/11/14 23:21	73 D	78 D	59 D	63 D	0
011404140-4 4X	08/11/14 23:49	101 D	102 D	81 D	81 D	0
011404086-2 4X	08/12/14 01:12	110 D	113 D	96 D	101 D	0
011404086-3 4X	08/12/14 01:39	105 D	108 D	85 D	87 D	0
011404086-4 4X	08/12/14 02:07	100 D	105 D	87 D	84 D	0
011404131-1 100X	08/12/14 09:39	D	D	D	D	0
011404131-2 200X	08/12/14 10:09	D	D	D	D	0
011404131-3 400X	08/12/14 10:40	D	D	D	D	0
011404131-4 500X	08/12/14 11:10	D	D	D	D	0
011404150-1 4X	08/12/14 00:16	61 D	63 D	52 D	53 D	0
011404086-1 4X	08/12/14 00:44	106 D	110 D	93 D	95 D	0

TCX=Tetrachloro-m-xylene DCB=Decachlorobiphenyl

### PCB ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MB 1 OP 3084-35 CU
Lab Name:	EMSL Analytical		
EMSL Sample ID:		Project:	
Lab File ID:	Y32472.D	Sample Matrix:	SOIL / SOLID
Instrument ID:	ECD-Y	Sampling Date:	12:00:00 AM
Analyst:	EH	Date Extracted:	8/8/2014
GC Column:	CLPest I (0.25 mm)	Analysis Date	8/11/2014 3:53:23 PM
GC Column 2:	CLPest II (0.25 mm)	Sample wt/vol:	10 G
% Moisture:	0	Dilution Factor:	1
PH:	0	Concentrated Extract Vol:	10 (mL)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Extraction Type:	3540C	Sulfur Cleanup:	N
Method:	SW846 8081/8082		

CAS NO	COMPOUND	Report Limit (mg/Kg)	CONC. (mg/Kg)	Q
12674-11-2	Aroclor 1016	0.050		U
11104-28-2	Aroclor 1221	0.050		U
11141-16-5	Aroclor 1232	0.050		U
53469-21-9	Aroclor 1242	0.050		U
12672-29-6	Aroclor 1248	0.050		U
11097-69-1	Aroclor 1254	0.050		U
11096-82-5	Arodor 1260	0.050		U
37324-23-5	Aroclor 1262	0.050		U
11100-14-4	Aroclor 1268	0.050		U

### Qualifier Definitions U = Undetected

B = Compound detected in method blank

E = Estimated value
D = Dilution

P = Results between the two columns differ >40%

### SOIL / SOLID LCS/QCS/ LFB RECOVERY

	Lab Name:	EMSL Analy	tical	Original File ID:	LCS 1 OP Y32472.D/Y32	2473.D	
	*: Values outside of Q	С					
	COMPOUND	CAS NO	LOW LIMIT	HIGH LIMIT	SPIKE ADDED mg/Kg	LCS CONC. mg/Kg	LCS REC%
1	Aroclor 1016	12674-11-2	58	123	1.50	1.41	94
2	Aroclor 1260	11096-82-5	63	131	1.50	1.30	86
	1			Total Out			0 of 2

SOIL / SOLID MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

*: Values outside of QC COMPOUND CAS NO LOW LIMIT RPD LIMIT	011404118-1 MS 10X	S 10X					
CAS NO LOW LIMIT HIGH LIMIT RPD LIMIT	Y32475.D/Y32485.D/Y32486.D	35.D/Y32486.D					
CAS NO LOW LIMIT HIGH LIMIT RPD LIMIT							
	SAMPLE CONC.	MS SPIKE MS CONC. ADDED mg/Kg	C. MS REC%	MSD SPIKE ADDED mg/Kg	MSD CONC. mg/Kg	MSD REC%	RPD%
Arodor 1016 12674-11-2 12 164 25	0.00	1.49	1.94 131	1.49	1.92	129	
2 Arador 1260 11096-82-5 43 167 25	0.00	1.49	1.81	1.49	1.81	122	
Total Out			0 of 2			0 of 2	0 of 2

011404131

Client Name:    Project Name and Address:   Samples Collected By   Page:   Address:   S40	@TRC	4	PCB BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM	AND CH	AIN OF CUS	TODY	=ORM		
Requested Turnarbund Time: Standard   Wazk   Dazk   Dazk	Client Name:	, A.P.	oject Name and Address:	70	Samples Collected	By Kl. 7	Page 1	e: 1of	
Room Material Name/Use Location Floor (L. & W) G/D/SD	Date: 8/5/14	8 g	d Титпаг С		Project Manager:	+	Project Nu	umber:	000
Room Material Name/Use Location Floor (L&W) G/D/SD Date Time			PCB BULK SAMPLE INF	PORMATION	書の 一般 大学 大学 一番		子をを	<b>建筑建筑</b>	
	Bulk Sample ID No.	Room	Material Name/Use	Location	Floor (L & W)	_		Time	Photo ID No.

THATI-PCB-SUB-WC-01 Ext. Substrate below ext. windows 3 8th FI-PCB-SUB-WC-02 Ext. Long Coulk 3 8th FI-PCB-SUB-WC-04 Ext.	inda 7 353 8/5/14 1932	8 212 BE/14	11/2/8		20,	1 A	VG.	5	PH	2:	36	
	2000 K		<b>→</b>									

Condition:		Spec	Special Instruction to Laboratory	ion to Lal	oratory:				
G-Good, D-Damaged, SD-Significantly Damaged	ıtly Damaged	Chanto	ate one (1)	B, C sam composit analysis	Composite A, B, C samples S, R /9/14 Geato one (4) composite sample of each famogen extraction and analysis was EPA Method 8082 for a	eous-material-fi	rom-equal-me	Composite A, B, C samples 2, 8 /4 14 Ceate one (4) composite sample of each tiomogeneous-material from equal mass-portions (4-5%) of the three (3) subsamp correction and analysis wa EPA Method 8082 for the following Arochlors: 1016, 1221, 1232, 1242, 1248, 1254, 1260.	inree (3) subsamples for
	,	CHAIN O	F CUSTO	DY INFC	CHAIN OF CUSTODY INFORMATION AND LABORATOR FINFORMATION	RATORYINE	ORMATION		· · · · · · · · · · · · · · · · · · ·
Relinquished By:		Date /	Time	4	Received By:	Date	Tjme	Method Of Submittal	
1. (Print): J. Cakhoch		K/2/14	1420	1		85	13 Car Field	V Field	
(Sign):		1		3	)		-	Walk In	
II. (Print);/								Fed-Ex	
(Signér								Others	
	Analytical Method:	ethod:		T	Lab Comments:			Analyzed By: Date	Date & Time:
								Print Name:	
	* See special instructions box	8082 instructions	box					Sign:	



200 Route 130 North, Cinnaminson, NJ 08077

Phone: (858) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn:

Daren Bryant TRC Environmental Corporation 1430 Broadway 10th Floor New York, NY 10018

Phone: (212) 221-7822 Fax: (212) 221-7840

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 8/8/2014. The results are tabulated on the attached data pages for the following client designated project:

### 221253

The reference number for these samples is EMSL Order #011404177. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Reviewed and Approved By:

Julie Smith - Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted. NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

Revised Report (3)- Sample analysis for -0012, -0013, -0017,-0018, -0021 and -0022 analyzed per the client's request. -Revised Report 8/22/13

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

8/27/2014



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http://www.EMSL.com

EnvChemistry2@emsl.com

EMSL Order: CustomerID:

011404177 TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant **TRC Environmental Corporation** 1430 Broadway 10th Floor New York, NY 10018

Phone: Fax:

(212) 221-7822 (212) 221-7840

Received:

08/08/14 8:00 AM

Project: 221253

Analytical Results

•	ription 7th FI-PCB-WC-01 Exterior window frame caulk		Collected:	8/6/2014	Lab ID:	0001	
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	500 mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1221	ND	500 mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1232	ND	500 mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1242	ND	500 mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1248	ND	500 mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1254	8000	500 mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1260	ND	500 mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1262	ND	500 mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1268	ND	500 mg/Kg	8/11/2014	AB	8/13/2014	EH
Madh and				Prep			
88 - 41 J				Drop			
Method	Parameter	Result	RL Units	Date	Analyst	Analysis Date	Analys
	Parameter Aroclor-1016	Result ND	RL Units 480 mg/Kg		Analyst AB		Analys EH
3540C/8082A				Date	-	Date	_
3540C/8082A 3540C/8082A	Aroclor-1016	ND	480 mg/Kg	<i>Date</i> 8/11/2014	AB	Date 8/13/2014	EH
8540C/8082A 8540C/8082A 8540C/8082A	Aroclor-1016 Aroclor-1221	ND ND	480 mg/Kg 480 mg/Kg	8/11/2014 8/11/2014	AB AB	8/13/2014 8/13/2014	EH EH
3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A	Aroclor-1016 Aroclor-1221 Aroclor-1232	ND ND ND	480 mg/Kg 480 mg/Kg 480 mg/Kg	8/11/2014 8/11/2014 8/11/2014	AB AB AB	8/13/2014 8/13/2014 8/13/2014	EH EH EH
3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242	ND ND ND ND	480 mg/Kg 480 mg/Kg 480 mg/Kg 480 mg/Kg	8/11/2014 8/11/2014 8/11/2014 8/11/2014	AB AB AB AB	8/13/2014 8/13/2014 8/13/2014 8/13/2014	EH EH EH
3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248	ND ND ND ND	480 mg/Kg 480 mg/Kg 480 mg/Kg 480 mg/Kg 480 mg/Kg	Date 8/11/2014 8/11/2014 8/11/2014 8/11/2014 8/11/2014	AB AB AB AB AB	Date  8/13/2014  8/13/2014  8/13/2014  8/13/2014  8/13/2014	EH EH EH EH
3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254	ND ND ND ND ND	480 mg/Kg 480 mg/Kg 480 mg/Kg 480 mg/Kg 480 mg/Kg 480 mg/Kg	8/11/2014 8/11/2014 8/11/2014 8/11/2014 8/11/2014 8/11/2014	AB AB AB AB AB AB AB	Date  8/13/2014  8/13/2014  8/13/2014  8/13/2014  8/13/2014	EH EH EH EH EH
8540C/8082A 8540C/8082A 8540C/8082A 8540C/8082A 8540C/8082A 8540C/8082A 8540C/8082A	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260	ND ND ND ND ND 15000	480 mg/Kg 480 mg/Kg 480 mg/Kg 480 mg/Kg 480 mg/Kg 480 mg/Kg 480 mg/Kg	8/11/2014 8/11/2014 8/11/2014 8/11/2014 8/11/2014 8/11/2014 8/11/2014	AB AB AB AB AB AB AB AB AB	Date  8/13/2014  8/13/2014  8/13/2014  8/13/2014  8/13/2014  8/13/2014	EH EH EH EH EH EH
3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268	ND ND ND ND ND 15000 ND	480 mg/Kg	8/11/2014 8/11/2014 8/11/2014 8/11/2014 8/11/2014 8/11/2014 8/11/2014 8/11/2014	AB	Date  8/13/2014  8/13/2014  8/13/2014  8/13/2014  8/13/2014  8/13/2014  8/13/2014	

Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	200	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1221	ND 1	200	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1232	ND ND	200	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1242	ND	200	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1248	ND	1200	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1254	23000	200	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1260	ND	200	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1262	ND	1200	mg/Kg	8/11/2014	AB	8/13/2014	EH

EH

AB

8/11/2014

8/13/2014

Aroclor-1268

3540C/8082A

1200 mg/Kg



**200 Route 130 North, Cinnaminson, NJ 08077** Phone/Fax: (856) 303-2500 / (856) 858-4571

 EMSL Order: CustomerID:

ProjectID:

011404177

CustomerID: TF CustomerPO:

TRCE51

Attn: Daren Bryant

**TRC Environmental Corporation** 

1430 Broadway 10th Floor

New York, NY 10018

Project: 221253

Phone:

(212) 221-7822

Fax:

(212) 221-7840

Received:

08/08/14 8:00 AM

**Analytical Results** 

		, mining mount					
Client Sample Description	on 8th FI-PCB-WC-04 Exterior window frame caulk		Collected:	8/6/2014	Lab ID:	0004	
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	1200 mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1221	ND	1200 mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1232	ND	1200 mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1242	ND	1200 mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1248	ND	1200 mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1254	25000	1200 mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1260	ND	1200 mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1262	ND	1200 mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1268	ND	1200 mg/Kg	8/11/2014	AB	8/13/2014	EH

Client Sample Description	14th FI-PCB-WC-05	Collected:	8/6/2014	Lab ID:	0005
Exterior window frame caulk					

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	1.0	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1221	ND	1.0	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1232	ND	1.0	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1242	ND	1.0	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1248	ND	1.0	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1254	1.3	1.0	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1260	ND	1.0	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1262	ND	1.0	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1268	ND	1.0	mg/Kg	8/11/2014	AB	8/13/2014	EH

Client Sample Description	14th FI-PCB-WC-06	Collected:	8/6/2014	Lab ID:	0006
	Exterior window frame caulk				

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.94	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1221	ND	0.94	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1232	ND	0.94	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1242	ND	0.94	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1248	ND	0.94	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1254	ND	0.94	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1260	ND	0.94	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1262	ND	0.94	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1268	ND	0.94	mg/Kg	8/11/2014	AB	8/13/2014	EH



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EMSL Order: CustomerID:

ProjectID:

011404177 TRCE51

CustomerPO:

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New York, NY 10018

Project: 221253

Phone:

(212) 221-7822

Fax:

(212) 221-7840

Received: 08/08/14 8:00 AM

**Analytical Results** 

		Analytical	toounto				
Client Sample Descrip	otion 8/6/14-EBLANK Equipment Blank		Collected:	8/6/2014	Lab ID:	0007	
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
3580A/8082	Aroclor-1016	ND	0.47 mg/Kg	8/12/2014	AB	8/12/2014	TL
3580A/8082	Aroclor-1221	ND	0.47 mg/Kg	8/12/2014	AB	8/12/2014	TL
3580A/8082	Aroclor-1232	ND	0.47 mg/Kg	8/12/2014	AB	8/12/2014	TL
3580A/8082	Aroclor-1242	ND	0.47 mg/Kg	8/12/2014	AB	8/12/2014	TL
3580A/8082	Aroclor-1248	ND	0.47 mg/Kg	8/12/2014	AB	8/12/2014	TL
3580A/8082	Aroclor-1254	ND	0.47 mg/Kg	8/12/2014	AB	8/12/2014	TL
3580A/8082	Aroclor-1260	ND	0.47 mg/Kg	8/12/2014	AB	8/12/2014	TL
3580A/8082	Aroclor-1262	ND	0.47 mg/Kg	8/12/2014	AB	8/12/2014	TL
3580A/8082	Aroclor-1268	ND	0.47 mg/Kg	8/12/2014	AB	8/12/2014	TL

Collected: 8/6/2014 Lab ID: 0008 14th FI-PCB-SUB-WC-05 Client Sample Description

Substrate under exterior window frame caulk

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND (	0.98	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1221	ND (	0.98	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1232	ND (	0.98	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1242	ND (	0.98	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1248	ND (	0.98	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1254	ND (	0.98	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1260	ND (	0.98	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1262	ND (	0.98	mg/Kg	8/11/2014	AB	8/13/2014	EH
3540C/8082A	Aroclor-1268	ND (	0.98	mg/Kg	8/11/2014	AB	8/13/2014	EH

8/6/2014 Lab ID: 0009 Client Sample Description 14th FI-PCB-SUB-WC-06 Collected:

Substrate under exterior window frame caulk

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.97	mg/Kg	8/18/2014	AB	8/19/2014	EH
3540C/8082A	Aroclor-1221	ND	0.97	mg/Kg	8/18/2014	AB	8/19/2014	EH
3540C/8082A	Aroclor-1232	ND	0.97	mg/Kg	8/18/2014	AB	8/19/2014	EH
3540C/8082A	Aroclor-1242	ND	0.97	mg/Kg	8/18/2014	AB	8/19/2014	EH
3540C/8082A	Aroclor-1248	ND	0.97	mg/Kg	8/18/2014	AB	8/19/2014	EH
3540C/8082A	Aroclor-1254	ND	0.97	mg/Kg	8/18/2014	AB	8/19/2014	EH
3540C/8082A	Aroclor-1260	ND	0.97	mg/Kg	8/18/2014	AB	8/19/2014	EH
3540C/8082A	Aroclor-1262	ND	0.97	mg/Kg	8/18/2014	AB	8/19/2014	EH
3540C/8082A	Aroclor-1268	ND	0.97	mg/Kg	8/18/2014	AB	8/19/2014	EH



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011404177

TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant

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New York, NY 10018

Project: 221253

3540C/8082A

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Fax:

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Received:

08/08/14 8:00 AM

8/12/2014

AB

8/14/2014

EΗ

**Analytical Results** 

Client Sample Description	n 2nd FI-PCB-WC-07 Ext. window frame caulk		(	Collected:	8/6/2014	Lab ID:	0010	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	2400	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1221	ND	2400	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1232	ND	2400	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1242	ND	2400	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1248	ND	2400	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1254	32000	2400	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1260	ND	2400	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1262	ND	2400	mg/Kg	8/12/2014	AB	8/14/2014	EH

Client Sample Description Collected: 8/6/2014 Lab ID: 2nd FI-PCB-WC-08 0011

ND

2400 mg/Kg

Ext. window frame caulk

Aroclor-1268

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	1200	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1221	ND	1200	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1232	ND	1200	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1242	ND	1200	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1248	ND	1200	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1254	20000	1200	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1260	ND	1200	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1262	ND	1200	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1268	ND	1200	mg/Kg	8/12/2014	AB	8/14/2014	EH

2nd FI-PCB-SUB-WC-07 Collected: 8/6/2014 Lab ID: 0012 Client Sample Description

Substrate under ext. win. frame caulk

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1221	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1232	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1242	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1248	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1254	370	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1260	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1262	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1268	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA



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CustomerID: CustomerPO: ProjectID:

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08/08/14 8:00 AM

**Analytical Results** 

Client Sample Des	cription	2nd FI-PCB-SUB-WC-08			Collected:	8/6/2014	Lab ID:	0013	
		Substrate under ext. win.	frame caulk						
						Prep		Analysis	
Method	P	arameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Α	roclor-1016	ND	50	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	А	roclor-1221	ND	50	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	А	roclor-1232	ND	50	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	А	roclor-1242	ND	50	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Α	roclor-1248	ND	50	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Α	roclor-1254	490	50	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	А	roclor-1260	ND	50	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Α	roclor-1262	ND	50	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Α	roclor-1268	ND	50	mg/Kg	8/21/2014	AB	8/25/2014	EA

**Client Sample Description** 8/7/14-EBLANK Collected: 8/7/2014 Lab ID: 0014 **Equipment Blank** 

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3580A/8082	Aroclor-1016	ND (	0.50	mg/Kg	8/12/2014	AB	8/12/2014	TL
3580A/8082	Aroclor-1221	ND (	0.50	mg/Kg	8/12/2014	AB	8/12/2014	TL
3580A/8082	Aroclor-1232	ND (	0.50	mg/Kg	8/12/2014	AB	8/12/2014	TL
3580A/8082	Aroclor-1242	ND (	0.50	mg/Kg	8/12/2014	AB	8/12/2014	TL
3580A/8082	Aroclor-1248	ND (	0.50	mg/Kg	8/12/2014	AB	8/12/2014	TL
3580A/8082	Aroclor-1254	ND (	0.50	mg/Kg	8/12/2014	AB	8/12/2014	TL
3580A/8082	Aroclor-1260	ND (	0.50	mg/Kg	8/12/2014	AB	8/12/2014	TL
3580A/8082	Aroclor-1262	ND (	0.50	mg/Kg	8/12/2014	AB	8/12/2014	TL
3580A/8082	Aroclor-1268	ND	0.50	mg/Kg	8/12/2014	AB	8/12/2014	TL

Collected: 8/7/2014 Lab ID: 0015 3rd FI-PCB-WC-09 Client Sample Description Ext. window frame caulk

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	2300	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1221	ND	2300	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1232	ND	2300	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1242	ND	2300	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1248	ND	2300	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1254	35000	2300	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1260	ND	2300	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1262	ND	2300	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1268	ND	2300	mg/Kg	8/12/2014	AB	8/14/2014	EH



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Lab ID: 0016

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08/08/14 8:00 AM

8/7/2014

Analytical Results

		Allalytical Nesults			
Client Sample Description	3rd FI-PCB-WC-10	Collected:			
	Ext. window frame caulk				

·	Ext. window frame caull	<						
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	12	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1221	ND	12	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1232	ND	12	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1242	ND	12	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1248	ND	12	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1254	230	12	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1260	ND	12	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1262	ND	12	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1268	ND	12	mg/Kg	8/12/2014	AB	8/14/2014	EH

Client Sample Description

3rd FI-PCB-SUB-WC-09

Substrate under ext. win frame caulk

Collected:	8/7/2014	Lab ID:	0017

Mark and	Parameter Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
Method	rarameter	Nesun		Omto		•		
3540C/8082A	Aroclor-1016	ND	50	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1221	ND	50	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1232	ND	50	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1242	ND	50	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1248	ND	50	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1254	570	50	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1260	ND	50	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1262	ND	50	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1268	ND	50	mg/Kg	8/21/2014	AB	8/25/2014	EA

Client Sample Description

3rd FI-PCB-SUB-WC-10

Substrate under ext. win frame caulk

Conectea:	6///2014	Lab IU:	0010

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1221	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1232	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1242	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1248	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1254	260	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1260	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1262	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1268	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA



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ProjectID:

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0019

TRCE51

Attn: Daren Bryant

**TRC Environmental Corporation** 

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08/08/14 8:00 AM

8/12/2014

AB

8/14/2014

EH

**Analytical Results** 

Client Sample Description			(	Collected:	8/7/2014	Lab ID:
	Ext. window frame caulk				Prep	
Method	Parameter	Result	RL	Units	Date	Analys

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	1200	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1221	ND	1200	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1232	ND	1200	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1242	ND	1200	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1248	ND	1200	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1254	21000	1200	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1260	ND	1200	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1262	ND	1200	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1268	ND	1200	mg/Kg	8/12/2014	AB	8/14/2014	EH

Client Sample Description 4th FI-PCB-WC-12 Collected: 8/7/2014 Lab ID: 0020

Ext. window frame caulk

		•••						
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND 2	2500	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1221	ND 2	2500	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1232	ND 2	2500	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1242	ND 2	2500	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1248	ND 2	2500	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1254	57000 2	2500	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1260	ND 2	2500	mg/Kg	8/12/2014	AB	8/14/2014	EH
3540C/8082A	Aroclor-1262	ND 2	2500	mg/Kg	8/12/2014	AB	8/14/2014	EH

Client Sample Description 4th FI-PCB-SUB-WC-11 Collected: 8/7/2014 Lab ID: 0021

ND

2500 mg/Kg

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1221	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1232	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1242	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1248	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1254	300	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1260	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1262	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1268	ND	25	mg/Kg	8/21/2014	AB	8/25/2014	EA

Aroclor-1268

Substrate under ext. win frame caulk



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TRCE51

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Project: 221253

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Received: 08/08/14 8:00 AM

**Analytical Results** 

Client Sample Des	•		Collected:	8/7/2014	Lab ID:	0022	
	Substrate under ext. wi	in frame caulk					
				Prep		<b>Analysis</b>	
Method	Parameter	Result	RL Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	99 mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1221	ND	99 mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1232	ND	99 mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1242	ND	99 mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1248	ND	99 mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1254	990	99 mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1260	ND	99 mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1262	ND	99 mg/Kg	8/21/2014	AB	8/25/2014	EA
3540C/8082A	Aroclor-1268	ND	99 mg/Kg	8/21/2014	AB	8/25/2014	EA

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit

### SOIL / SOLID SURROGATE RECOVERY

Lab Name:

**EMSL Analytical** 

\*: Values outside of QC limits

D: Surrogate diluted out

	Compound Name:	TCX	TCX2	DCB	DCB2	Total Out
	CAS #:	877-09-8	877-09-8	2051-24-3	2051-24-3	
	QC Limits:	(30-137)	(30-137)	(30-138)	(30-138)	
011404177-9 100X	08/13/14 22:09	D	D	D	D	0
MB 1 OP 3084-40	08/13/14 14:54	105	98	87	83	0
LCS 1 OP 3084-40	08/13/14 15:22	103	98	89	84	0
011404052-1 4X	08/13/14 15:49	92 D	97 D	81 D	87 D	0
011404052-1 20X	08/13/14 16:17	D	D	D	D	0
011404052-2 4X	08/13/14 16:45	83 D	87 D	76 D	82 D	0
011404177-5 4X	08/13/14 17:07	100 D	119 D	101 D	106 D	0
011404052-2 20X	08/13/14 17:12	D	D	D	D	0
011404177-6 4X	08/13/14 17:37	103 D	122 D	102 D	116 D	0
011404052-3 700X	08/13/14 17:40	D	D	D	D	0
011404052-4 4X	08/13/14 18:07	82 D	86 D	74 D	82 D	0
011404177-8 10X	08/13/14 18:07	109 D	133 D	122 D	127 D	0
011404052-5 4X	08/13/14 18:34	68 D	76 D	66 D	71 D	0
011404177-9 10X	08/13/14 18:38	105 D	128 D	124 D	128 D	0
011404052-6 4X	08/13/14 19:02	92 D	97 D	86 D	94 D	0
011404052-7 4X	08/13/14 19:29	87 D	92 D	82 D	100 D	0
011404052-8 4X	08/13/14 19:57	113 D	115 D	100 D	115 D	0
011404177-1 2KX	08/13/14 20:09	D	D	D	D	0
011404052-9 4X	08/13/14 20:24	104 D	110 D	88 D	92 D	0
011404177-2 2KX	08/13/14 20:39	D	D	D	D	0
011404052-10 4X	08/13/14 20:52	105 D	111 D	89 D	91 D	0
011404177-3 5KX	08/13/14 21:09	D	D	D	D	0
011404052-11 4X	08/13/14 21:19	108 D	114 D	93 D	95 D	0
011404177-4 5KX	08/13/14 21:39	D	D	D	D	0
011404052-12 4X	08/13/14 21:47	106 D	112 D	92 D	95 D	0
011404177-8 MS	08/14/14 10:13	107 D	127 D	109 D	119 D	0
011404177-8 MSD	08/14/14 10:43	91 D	106 D	100 D	110 D	0

TCX=Tetrachloro-m-xylene DCB=Decachlorobiphenyl

Printed: 08/15/14 02:02:07 PM SampleList: QC Batch OP 3084-40

ERM: K:\EMSL\_ENV\ERMs\8081-8082\8082soil.erm

### PCB ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MB 1 OP 3084-40 CU
Lab Name:	EMSL Analytical	-	
EMSL Sample ID:		Project:	
Lab File ID:	X35909.D	Sample Matrix:	SOIL / SOLID
Instrument ID:	ECD-X	Sampling Date:	12:00:00 AM
Analyst:	EH	Date Extracted:	8/11/2014
GC Column:	CLPest I (0.25 mm)	Analysis Date	8/13/2014 2:54:38 PM
GC Column 2:	CLPest II (0.25 mm)	Sample wt/vol:	10 G
% Moisture:	0	Dilution Factor:	1
PH:	0	Concentrated Extract Vol:	10 (mL)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Extraction Type:	3540C	Sulfur Cleanup:	N
Method:	SW846 8081/8082		

CAS NO	COMPOUND	Report Limit (mg/Kg)	CONC. (mg/Kg)	Q
12674-11-2	Aroclor 1016	0.050		U
11104-28-2	Aroclor 1221	0.050		U
11141-16-5	Aroclor 1232	0.050		U
53469-21-9	Aroclor 1242	0.050		U
12672-29-6	Aroclor 1248	0.050		U
11097-69-1	Aroclor 1254	0.050		U
11096-82-5	Aroclor 1260	0.050		U
37324-23-5	Aroclor 1262	0.050		U
11100-14-4	Aroclor 1268	0.050		U

### Qualifier Definitions

U = Undetected

B = Compound detected in method blank

E = Estimated value
D = Dilution

P = Results between the two columns differ >40%

### SOIL / SOLID LCS/QCS/ LFB RECOVERY

	Lab Name:	EMSL Analy	tical	Original File ID:	LCS 1 OP X35909.D/X3	5910.D	
	*: Values outside of QC						
	COMPOUND	CAS NO	LOW LIMIT	HIGH LIMIT	SPIKE ADDED mg/Kg	LCS CONC. mg/Kg	LCS REC%
1	Aroclor 1016	12674-11-2	58	123	1.50	1.51	101
2	Aroclor 1260	11096-82-5	63	131	1.50	1.35	90
		1		Total Out			0 of 2

# SOIL / SOLID MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	EMSLA	EMSL Analytical	Original		011404177-8 MS 10X	MS 10X						
*: Values outside of QC	de of QC		File ID:		Y32547.D/Y3	Y32547.D/Y32579.D/Y32580.D	80.D					
COMPOUND		CAS NO LOW LIMIT HIGH LIMIT RPD LIMIT	HIGH LIMIT	RPD LIMIT	SAMPLE CONC.	MS SPIKE ADDED mg/Kg	MS CONC. mg/Kg	MS REC%	MSD SPIKE ADDED mg/Kg	MSD CONC. mg/Kg	MSD REC%	RPD %
Aroclor 1016	12674-11-2	1-2 12	164	25	0.00	2.93	3.92	134	2.95	3.61	123	6
Aroclor 1260	11096-82-5	2-5 43	167	25	0.00	2.93	3.59	123	2.95	3.49	118	4
			Total Out					0 of 2			0 of 2	0 of 2

### ORGANIC PCB SURROGATE RECOVERY

Lab Name:

**EMSL Analytical** 

\*: Values outside of QC limits

D: Surrogate diluted out

	Compound Name:	TCX	TCX2	DCB	DCB2	Total Out
	CAS #:	877-09-8	877-09-8	2051-24-3	2051-24-3	
	QC Limits:	(30-140)	(30-140)	(30-140)	(30-140)	
MB 1 3084-41	08/12/14 17:49	85	114	122	111	0
LCS 1 3084-41	08/12/14 18:12	94	122	122	111	0
LCS 2 3084-41	08/12/14 18:36	96	125	124	113	0
3749-11	08/12/14 19:23	97	107	129	115	0
4185-1	08/12/14 19:46	83	71	61	55	0
4185-2	08/12/14 20:10	101	111	133	119	0
4177-7	08/12/14 20:33	88	110	122	107	0
4177-14	08/12/14 20:57	87	116	124	109	0

TCX=Tetrachloro-m-xylene DCB=Decachlorobiphenyl

### PCB ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MB 1 3084-41
Lab Name:	EMSL Analytical		
EMSL Sample ID:		Project:	
Lab File ID:	H05382.D	Sample Matrix:	Organic
Instrument ID:	GC-ECD-H	Sampling Date:	12:00:00 AM
Analyst:	TL	Date Extracted:	8/12/2014
GC Column:	CLPest I (0.32 mm)	Analysis Date	8/12/2014 5:49:00 PM
GC Column 2:	CLPest II (0.32 mm)		1 G
% Moisture:	0	Dilution Factor:	1
PH:	0	Concentrated Extract Vol:	10 (mL)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Extraction Type:	3580A	Sulfur Cleanup:	N
Method:	SW846 8081b/8082a		

CAS NO	COMPOUND	Report Limit (mg/kg)	CONC. (mg/kg)	Q
12674-11-2	Aroclor 1016	0.50		U
11104-28-2	Aroclor 1221	0.50		U
11141-16-5	Aroclor 1232	0.50		U
53469-21-9	Aroclor 1242	0.50		U
12672-29-6	Aroclor 1248	0.50		U
11097-69-1	Aroclor 1254	0.50		U
11096-82-5	Aroclor 1260	0.50		U
37324-23-5	Aroclor 1262	0.50		U
11100-14-4	Aroclor 1268	0.50		U

### Qualifier Definitions

U = Undetected

B = Compound detected in method blank

E = Estimated value

P = Results between the two columns differ >40%

PCB's by 3580a/8082a

Laboratory Control Spike/ Laboratory Control Spike Duplicate Recovery Form

Matrix mg/Kg Spike Added

Organic 15.000

H140812 Analytical Sequence #

OP 3084-41 Analytical Batch # Analytical Batch # Analytical Batch Extraction Date

LCS 2 OP 3084-41	1
LCS 1 OP 3084-41	
a File:	

Data File:	LCS 1 OP 3084-41	3084-41	LCS 2 OP 3084-41	084-41			
Data File:	H05383.D		H05384.D				
Analysis Time/Date	8/12/14 6:12 PM	2 PM	8/12/14 6:36 PM	PM			
	LCS 1	LCS 1	LCS 2	LCS 2	Recovery		RPD
Compound	mg/Kg	RECOVERY	mg/Kg	RECOVERY	Limits	RPD	Limits
Aroclor 1016	17.9	119	18.2	122	78 - 201	2	20
Aroclor 1260	18.2	121	18.7	125	57 - 218	က	20

### SOIL / SOLID SURROGATE RECOVERY

Lab Name:

**EMSL** Analytical

\*: Values outside of QC limits

D: Surrogate diluted out

	Compound Name:	TCX	TCX2	DCB	DCB2	Total Out
	CAS #:	877-09-8	877-09-8	2051-24-3	2051-24-3	
	QC Limits:	(30-137)	(30-137)	(30-138)	(30-138)	
011404221-1 MS	08/13/14 10:19	106 D	109 D	90 D	91 D	0
011404221-1 MSD	08/13/14 10:47	101 D	105 D	87 D	89 D	0
MB 1 OP 3084-42	08/13/14 08:56	105	99	87	82	0
LCS 1 OP 3084-42	08/13/14 09:24	101	96	88	82	0
011404221-1 4X	08/13/14 09:51	113 D	116 D	94 D	98 D	0
011404034-1 4X	08/14/14 01:10	100 D	119 D	84 D	93 D	0
011404034-2 4X	08/14/14 01:40	64 D	78 D	59 D	64 D	0
MB 1 OP 3084-42	08/14/14 10:52	71	74	82	89	0
011404169-1 4X	08/14/14 11:13	73 D	83 D	76 D	84 D	0
LCS 1 OP 3084-42	08/14/14 11:14	73	71	82	89	0
011404083-1 4X	08/14/14 11:37	72 D	62 D	94 D	75 D	0
011404169-2 2kX	08/14/14 11:44	D	D	D	D	0
011404059-1 10kX	08/14/14 12:14	D	D	D	D	0
011404034-3 4X	08/14/14 02:10	78 D	90 D	88 D	95 D	0
011404034-4 4X	08/14/14 02:40	92 D	108 D	88 D	98 D	0
011404034-5 4X	08/14/14 03:10	106 D	124 D	98 D	110 D	0
011404230-1 2X	08/14/14 15:21	41 D	51 D	32 D	39 D	0
011404034-6 3X	08/14/14 03:40	102 D	117 D	86 D	98 D	0
011404230-2 4X	08/14/14 15:52	100 D	136 D	77 D	83 D	0
011404230-1 10X	08/14/14 16:26	51 D	60 D	45 D	42 D	0
011404187-1 4X	08/14/14 04:41	110 D	128 D	109 D	117 D	0
011404230-2 10X	08/14/14 16:56	52 D	64 D	56 D	59 D	0
011404177-10	08/14/14 17:26	D	D	D	D	0
011404177-11 5kX	08/14/14 17:57	D	D	D	D	0
011404177-15	08/14/14 18:27	D	D	D	D	0
011404177-19 5kX	08/14/14 18:57	D	D	D	D	0
011404177-20	08/14/14 19:27	D	D	D	D	0
011404177-16 50X	08/14/14 08:42	D	D	D	D	0

TCX=Tetrachloro-m-xylene DCB=Decachlorobiphenyl

### PCB ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MB 1 OP 3084-42 CU
Lab Name:	EMSL Analytical		
EMSL Sample ID:		Project:	
Lab File ID:	X35896.D	Sample Matrix:	SOIL / SOLID
Instrument ID:	ECD-X	Sampling Date:	12:00:00 AM
Analyst:	EH	Date Extracted:	8/12/2014
GC Column:	CLPest I (0.25 mm)	Analysis Date	8/13/2014 8:56:54 AM
GC Column 2:	CLPest II (0.25 mm)	Sample wt/vol:	10 G
% Moisture:	0	Dilution Factor:	1
PH:	0	Concentrated Extract Vol:	10 (mL)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Extraction Type:	3540C	Sulfur Cleanup:	N
Method:	SW846 8081/8082		

CAS NO	COMPOUND	Report Limit (mg/Kg)	CONC. (mg/Kg)	Q
12674-11-2	Aroclor 1016	0.050		U
11104-28-2	Aroclor 1221	0.050		U
11141-16-5	Aroclor 1232	0.050		U
53469-21-9	Aroclor 1242	0.050		U
12672-29-6	Aroclor 1248	0.050		U
11097-69-1	Aroclor 1254	0.050		U
11096-82-5	Aroclor 1260	0.050		U
37324-23-5	Aroclor 1262	0.050		U
11100-14-4	Aroclor 1268	0.050		U

### Qualifier Definitions

U = Undetected

B = Compound detected in method blank E = Estimated value

D = Dilution

P = Results between the two columns differ >40%

### SOIL / SOLID LCS/QCS/ LFB RECOVERY

	Lab Name:	EMSL Analy	tical	Original File ID:	LCS 1 OP X35896.D/X35	5897.D	
	*: Values outside of QC						
	COMPOUND	CAS NO	LOW LIMIT	HIGH LIMIT	SPIKE ADDED mg/Kg	LCS CONC. mg/Kg	LCS REC%
1	Aroclor 1016	12674-11-2	58	123	1.50	1.43	96
2	Aroclor 1260	11096-82-5	63	131	1.50	1.33	89
		- L	-	Total Out			0 of 2

## SOIL / SOLID MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:		<b>EMSL Analytical</b>	tical	Original	-	011404221-1 MS 4X CU	MS 4X CU						
*:Values ou	*: Values outside of QC			File ID:		X35898.D/X3	X35898.D/X35899.D/X35900.D	0.00c					
COMP	COMPOUND		LOW LIMIT	CAS NO LOW LIMIT HIGH LIMIT RPD LIMIT	RPD LIMIT	SAMPLE CONC.	MS SPIKE ADDED mg/Kg	MS CONC. mg/Kg	MS REC%	MSD SPIKE ADDED mg/Kg	MSD CONC. mg/Kg	MSD REC%	RPD%
Aroclor 1016		12674-11-2	12	164	25	00.00	7.39	8.60	116	7.21	80.8	112	,
Aroclor 1260		11096-82-5	43	167	. 25	00.00	7.39	7.34	66	7.21	7.05	86	
				Total Out					0 of 2			0 of 2	0 of 2

### SOIL PESTICIDE/PCB SURROGATE RECOVERY

Lab Name:

EMSL Analytical

\* : Values outside of QC limits

D: Surrogate diluted out

	Compound Name:	TCX	TCX2	DCB	DCB2	Total Out
	CAS #:	877-09-8	877-09-8	2051-24-3	2051-24-3	
	QC Limits:	(30-137)	(30-137)	(30-138)	(30-138)	
011404156-1 4X	08/19/14 14:00	115 D	119 D	108 D	110 D	0
011404156-2 4X	08/19/14 14:27	108 D	112 D	99 D	102 D	0
011404156-3 5X	08/19/14 14:55	81 D	85 D	124 D	124 D	0
011404303-1 4X	08/19/14 15:33	96 D	115 D	86 D	92 D	0
011404171-1 4X	08/19/14 16:03	96 D	113 D	93 D	104 D	0
011404341-1 400X	08/19/14 17:22	D	D	D	D	0
011404156-3 100X	08/19/14 17:53	D	D	D	D	0
MB 1 OP 3102-3	08/19/14 08:37	85	90	89	99	0
011404274-47 MS	08/19/14 08:47	94 D	112 D	91 D	96 D	0
LCS 1 OP 3102-3	08/19/14 09:00	85	84	87	95	0
011404274-47	08/19/14 09:17	89 D	104 D	88 D	94 D	0
011404022-7 CU	08/19/14 09:22	83	90	88	92	0
011404274-52 10X	08/19/14 09:32	101 D	110 D	94 D	99 D	0
011404177-6R 4X	08/19/14 09:45	86 D	93 D	113 D	81 D	0
011404274-47 10X	08/19/14 09:48	112 D	132 D	109 D	114 D	0
011404274-53 10X	08/19/14 10:00	96 D	104 D	91 D	94 D	0
011404177-9R 10X	08/19/14 10:07	73 D	80 D	122 D	117 D	0
011404274-48 10X	08/19/14 10:18	96 D	115 D	102 D	110 D	0
011404274-54 10X	08/19/14 10:28	98 D	108 D	91 D	98 D	0
011404274-49 10X	08/19/14 10:48	99 D	119 D	102 D	110 D	0
011404274-55 10X	08/19/14 10:56	100 D	110 D	94 D	99 D	0
011404274-50 10X	08/19/14 11:19	104 D	124 D	104 D	113 D	0
011404274-56 10X	08/19/14 11:23	100 D	109 D	94 D	100 D	0
011404274-51 10X	08/19/14 11:49	100 D	120 D	102 D	112 D	0
011404274-57 10X	08/19/14 11:51	86 D	96 D	92 D	99 D	0

TCX=Tetrachloro-m-xylene DCB=Decachlorobiphenyl

### PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MB 1 OP 3102-3 CU
Lab Name:	EMSL Analytical		
EMSL Sample ID:		Project:	
Lab File ID:	G06258.D	Sample Matrix:	SOIL / SOLID
Instrument ID:	GC-ECD-G	Sampling Date:	12:00:00 AM
Analyst:	EH	Date Extracted:	8/18/2014
GC Column:	CLPest I (0.32 mm)	Analysis Date	8/19/2014 08:37:00 AM
GC Column 2:	CLPest II (0.32 mm)	Sample wt/vol:	10 G
% Moisture:	0	Dilution Factor:	1
PH:	0	Concentrated Extract Vol:	10 (mL)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Extraction Type:	3540C	Sulfur Cleanup:	N
Method:	SW846 8081b/8082a		

CAS NO	COMPOUND	Report Limit (mg/Kg)	CONC. (mg/Kg)	Q
12674-11-2	Aroclor 1016	0.050		U
11104-28-2	Aroclor 1221	0.050		U
11141-16-5	Aroclor 1232	0.050		U
53469-21-9	Aroclor 1242	0.050		U
12672-29-6	Aroclor 1248	0.050		U
11097-69-1	Aroclor 1254	0.050		U
11096-82-5	Aroclor 1260	0.050		U
37324-23-5	Aroclor 1262	0.050		U
11100-14-4	Aroclor 1268	0.050		U

### Qualifier Definitions

U = Undetected

B = Compound detected in method blank

E = Estimated value

P = Results between the two columns differ >40%

### SOIL PESTICIDE/PCB LCS/QCS/ LFB RECOVERY

	Lab Name:  *: Values outside of Q	EMSL Analy	tical	Original File ID:	LCS 1 OP G06258.D/G	06259.D	
	COMPOUND	CAS NO	LOW LIMIT	HIGH LIMIT	SPIKE ADDED mg/Kg	LCS CONC. mg/Kg	LCS REC%
1	Aroclor 1016	12674-11-2	58	123	1.50	1.37	91
2	Aroclor 1260	11096-82-5	63	131	1.50	1.41	94
		-	1	Total Out			0 of 2

# SOIL PESTICIDE/PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<b>EMSL Analytical</b>	ical	Original		011404274-4	)11404274-47 MS 4X CU						
* · Values outside of OC			File ID:		r32692.D/Y3	Y32692.D/Y32690.D/Y32691.D	91.D					
COMPOUND		CAS NO LOW LIMIT HIGH	HIGH LIMIT	LIMIT RPD LIMIT	SAMPLE CONC.	MS SPIKE ADDED mg/Kg	MS CONC. mg/Kg	MS REC%	MSD SPIKE MSD CONC. ADDED mg/Kg	MSD CONC. mg/Kg	ISD CONC. mg/Kg MSD REC%	RPD%
Aroclor 1016	12674-11-2	12	164	25	00.00	7.21	8.48	118	7.39	8.44	114	c
Aroclor 1260	11096-82-5	43	167	25	00:00	7.21	7.64	106	7.39	7.70	104	2
			Total Out					0 of 2			0 of 2	0 of 2

### SOIL PESTICIDE/PCB SURROGATE RECOVERY

Lab Name:

**EMSL** Analytical

\*: Values outside of QC limits

D: Surrogate diluted out

	Compound Name:	TCX	TCX2	DCB	DCB2	Total Out
	CAS#:	877-09-8	877-09-8	2051-24-3	2051-24-3	
	QC Limits:	(49-113)	(49-113)	(42-121)	(42-121)	
for QC ONLY	08/22/14 23:55	9 *	10 *	10 *	11 *	2
011404367-1 4X	08/23/14 01:13	91 D	101 D	83 D	89 D	0
011404367-2 4X	08/23/14 01:43	91 D	109 D	85 D	92 D	0
011404177-17 MS	08/23/14 01:44	100 D	105 D	89 D	91 D	0
011404177-17	08/23/14 02:12	95 D	101 D	91 D	90 D	0
011404367-3 4X	08/23/14 02:13	86 D	101 D	79 D	86 D	0
011404412-1 4X	08/23/14 02:39	84 D	79 D	87 D	85 D	0
011404367-4 4X	08/23/14 02:43	91 D	107 D	85 D	92 D	0
011404380-1 4X	08/23/14 03:07	78 D	69 D	62 D	62 D	0
011404367-5 4X	08/23/14 03:13	94 D	110 D	89 D	98 D	0
011404381-1 4X	08/23/14 03:35	92 D	95 D	82 D	76 D	0
011404367-6 4X	08/23/14 03:43	91 D	106 D	84 D	93 D	0
011404397-1 5X	08/23/14 04:02	59 D	60 D	46 D	46 D	0
011404367-7 4X	08/23/14 04:13	95 D	110 D	88 D	96 D	0
011404367-8 4X	08/23/14 04:43	99 D	114 D	88 D	97 D	0
011404367-9 4X	08/23/14 05:13	95 D	111 D	86 D	94 D	0
011404367-10 4X	08/23/14 05:43	95 D	110 D	88 D	96 D	0
MB 1 OP 3102-11	08/23/14 00:12	85	94	74	79	0
LCS 1 OP 3102-11	08/23/14 00:43	85	92	75	80	0
4177-12 500X	08/25/14 19:35	D	D	D	D	0
4177-13 1000X	08/25/14 20:03	D	D	D	D	0
4177-17 1000X	08/25/14 20:32	D	D	D	D	0
4177-18 500X	08/25/14 20:59	D	D	D	D	0
4177-21 500X	08/25/14 21:27	D	D	D	D	0
4177-22 2000X	08/25/14 21:54	D	D	D	D	0

TCX=Tetrachloro-m-xylene DCB=Decachlorobiphenyl

### PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MB 1 OP 3102-11 CU
Lab Name:	EMSL Analytical		
EMSL Sample ID:		Project:	
Lab File ID:	Y32776.D	Sample Matrix:	Soil
Instrument ID:	ECD-Y	Sampling Date:	12:00:00 AM
Analyst:	EH	Date Extracted:	8/21/2014
GC Column:	CLPest I (0.25 mm)	Analysis Date	8/23/2014 12:12:00 AM
GC Column 2:	CLPest II (0.25 mm)	Sample wt/vol:	10 G
% Moisture:	0	Dilution Factor:	1
PH:	0	Concentrated Extract Vol:	10 (mL)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Extraction Type:	3540C	Sulfur Cleanup:	N
Method:	SW846 8081b/8082a		

CAS NO	COMPOUND	Report Limit (mg/kg)	CONC. (mg/kg)	Q
12674-11-2	Aroclor 1016	0.050		U
11104-28-2	Aroclor 1221	0.050		U
11141-16-5	Aroclor 1232	0.050		U
53469-21-9	Aroclor 1242	0.050		U
12672-29-6	Aroclor 1248	0.050		U
11097-69-1	Aroclor 1254	0.050		U
11096-82-5	Aroclor 1260	0.050		U
37324-23-5	Aroclor 1262	0.050		U
11100-14-4	Aroclor 1268	0.050		U

### Qualifier Definitions

U = Undetected

B = Compound detected in method blank

E = Estimated value

D = Dilution

P = Results between the two columns differ >40%

### SOIL PESTICIDE/PCB LCS/QCS/ LFB RECOVERY

	Lab Name:	EMSL Analyt	tical	Original File ID:	LCS 1 OP Y32776.D/Y3	2777.D	
	* : Values outside of Q	C					
	COMPOUND	CAS NO	LOW LIMIT	HIGH LIMIT	SPIKE ADDED mg/kg	LCS CONC. mg/kg	LCS REC%
1	Aroclor 1016	12674-11-2	50	124	1.50	1.36	91
2	Aroclor 1260	11096-82-5	65	112	1.50	1.22	81
		1	1	Total Out			0 of 2

SOIL / SOLID MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

	Lab Name:	<b>EMSL Analytical</b>		Original		011404177-17 MS 4X CU	7 MS 4X CU						
		i I		File ID:		X36178.D/X36182.D/X36183.D	6182 D/X361	83.D					
	*: Values outside of QC												
	COMPOUND	CAS NO	CAS NO LOW LIMIT HIGH LIMIT RPD LIMIT	HIGH LIMIT	RPD LIMIT	SAMPLE CONC.	MS SPIKE ADDED mg/kg	MS CONC. MS mg/kg	MS REC%	MSD SPIKE ADDED mg/kg	MSD CONC. mg/kg	MSD REC%	RPD %
	Aroclor 1016	12674-11-2	12	164	25	0.00	7.46	24.3	326 *	7.08	20.4	288 *	12
1	Aroclor 1260	11096-82-5	43	167	25	0.00	7.46	175.	2341 *	7.08	150.	2121 *	-
				Total Out					2 of 2			2 of 2	0 of 2

ms/msD accoveries outside of method childeria due to high concentralism of Andor 1254 detected in the sumple chusen for spille, LCS recovery meets all reduced conteving. The gasky

QTRC	ď	PCB BULK SAMP	SAMPLE DATA AND CHAIN OF CUSTODY FORM	IND CH	4IN OI	OF CUSTOD	TODY	FORM	4	
Client Name: NYU Date: 8   6   14	S S S S	Project Name and Address:  370 Sou S. F.  Requested Turnareinnd Time: Standard	8 melslyn,	400	Samples Froject I	Samples Collected By  7. Destreicht Project Manager:	13	A Khimich 1 Project Num	Page:  I of  Project Number:	_
		PCB BI	PCB BULK SAMPLE INFORMATION	ORMATION		が				10 金融
Bulk Sample ID No.	Room	Material Name/Use		Location	Floor	Quantity (L&W)	Condition G/D/SD	Date	Time	Photo ID No.
JIN BJO-14HE	RX+	Exterior windows	Land coult		7	,	L.	8/4/14	OCE	Ш
- DM-		-Air ampage	7	•	14	1	-	1-	-	
-PCR-INIC -				-	00	1		-	1008	
PCR-MC-	4 Ext.			ī	00	,	<b>→</b>	4	Clal	
S INTIT-PCB-MC-05	5 Ext.			1	五	1	6	11/9/8	ro401	
0 14th FI-PUB-INC 06	EM.	->		1	3	1	4	41/9/8	1058	
* 18/6/14-02ANK	ı	Equipment Blan	7.K				1	1/9/8	41124	
6 14#FI-PASIR WC	.05 Ext.	Substrate under e	ulder exterior		ות	1	Δ	11/9/8	105	
9 HMF1- R.B. SUB MC-	06 Ext.	Window frame	o coulk	1	ļų	1	0	/ 1	1111	
3 JAFI PCR-INC-OFF	t   [	Ext. window from	no coulk	1	2	1			1401	
1 225-14CB-14C-08				3	3	ı			1412	
V 22451-9CB-SUR-WC.07	1	Substrate under ext	rext. Win. for coult	-	~	_			14635	Ľ,
7 2251PCB-SUB-WC-OS	8	7		)	0	1	7	>	川西	31
		0		3			111		UG	5
THE TRUIN - DIS	: 1005 MP	mand and	CAR PRIME	DN 100	DID CFM	D 250	1 × 10		-7	
CERT IM	MESS- INSTR	TELE	4-1-17	11/8/8	15 AND PO	1	TIMU LO	eromy Egupplants	15 FINA.	0
Condition: G-Good, D-Damaged, SD-Si	SD-Significantly Damaged	Special Instruction to Laboratory:  Composite A. B. C. Samples. No. Composite All Crops Servelles. Do 8/6/14  Crops Servells somposite sample of each from an anterial from equal mass portions (1) somposite sample of each from unaterial from equal mass portions (1) 373, 134, 134, 134, 135, 134, 135, 134, 135, 134, 135, 134, 135, 134, 135, 134, 135, 135, 135, 135, 135, 135, 135, 135	Struction to Laboratory:  6. A. B. C. Samples. 10. Congo S. Re. All Corab Scanples. JO. 8/6/14  10. Congo S. Re. All Corab Scanpostic sample of each from equal mass portions (1.3%) of the transferred programmers. 1016, 1221, 1232, 1248.	Site. All mageneous ma	Grab S crial frame	proples	JO 8 JO 8 JORIGHS (1-5)	16/14 76) of the thr	1784 (3) 310samp	E S
Delineited B.	*	N.OF CU	STODY INFORMATION AND LABORATORY INFORMATION WHITE	ABORATOR	VINFORM	ATTION	196 196 24			
1. (Print): ). Og. 4 Pro Op.	5	8/7/14 1500	Keccived By:	1.7 B 1.7	1 2	S:09 PH Fi	Merhod Of Submittal	mittai		
II. (Print): (Sign.):							Fed-Ex			П
JOastreicher Stresolutions.	Analytical Method:	Method:	Lab Comments:			1	Analyzed By:	Date	Date & Time:	Н
DBryant @ tresolutions com	73	EPA Method 8082				- 0	Frint Name:			

		PCB BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM	IPLE DATA,	AND CH	AINC	P CUS	STODY	FORM	-	
Client Name:	а. (4	Project Name and Address:			Sample	s Collected	By	Pa	Page:	
Date:		d Turnaround Tim	Scoklyn, 47	2	J. C.	J. Clesticicher	- Khimich	200	1 of	-
8/7/14		M   F/8 brebring	Week		D. B.	Bewant		A21253	S. 3	
Bulk Sample ID No.	Roc	Material Name/Use	se Location F	Location	100	Quantity	Condition	Date		Photo
							Ginish			ID No.
-	tx;	Equipment blan	4	١	1	1	,	11/2/8	1	
C) SKDR-PCB-WC-09	衣	Ext. window ?	Ann man	1	~	,	1	4	100	
TO SOFT RS - WC-10		>	1	1	700	,	1	-	1006	
20-74-548-14C-03		Substrate under ex	ext. win transcoult	ı	M	ı			100	
00	LY.	<b>&gt;</b>		1	M	1	>	-	1027	
8	100	Ext. windows for	Cance Coulk	ı	7	,	1	-	100	
727	F.F.			1	7		1-	-	7(2)	
-	Ext.	Sabstrateunbrex	under ext. win from Coult	ł	7	1	-	+	+ 0% -	l
12-12-86-548-12	Ext.	7	The Chair		7	1	-	1	1900	
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									261	EM
					1				4 A	31
APP DE DE PARIS	VIND. 116	-m2		10.00	Ī	-			-	HAR DE
	#	#	/ Provide M	14 MA	10	J Contra	116.50	4.00	70%	H/
Condition:							E	(68/1)	PM	F7:
9 – Damaged,	ntfy Dam	Special Instruction to Laboratory:  Composite A, B, C samples )  Create one (4) composite cample  extraction and analysis via EP.	istraction to Laboratory:  15 A: B: C. samples S. O. 8/7-/14 - All Grab Samples  16 A: B: Composite sample of each transpersors material from equal transportions (± 5%) or Remoderies via EPA Method 8082 for the following Argendace, 1016	- All Gr	al Sa	moles	907Figure (± 5%)	of the three	O Status (3) Subsamples (as	les far
Relinquished By		TODY	FORMATION AND L	RORATIORY	TNFORM	CTION	Tal Incar in	4, 1248, 1234,	, 1260.	THE PARTY
. (Sign)		8/3/W/C00	Received By:	Date 8(5)	Time 1.08	Time Method 3:08 PPA Field	Method Of Submittal	N. Daniel		15
II. (Pring:			3.3%	4.0 0/8	2	-	Walk In Fed-Ex			П
Destructor Stresolutions. Smatrical Method: DBryant@ +resolutions. Con EPA Method 8082	Analytical	Analytical Method:  EPA Method 8082	Lab Сопшенts:			Others Analyz Print N	Others Analyzed By: Print Name:	Date & Time:	ime	
	and sheet	THE THE PART OF THE				- Orthograph				



200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858

Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn: Daren Bry

Daren Bryant TRC Environmental Corporation 1430 Broadway 10th Floor

New York, NY 10018

Phone: (212) 221-7822 Fax: (212) 221-7840

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 8/14/2014. The results are tabulated on the attached data pages for the following client designated project:

221253

The reference number for these samples is EMSL Order #011404303. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Reviewed and Approved By:

8/21/2014

Julie Smith - Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.

NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.



200 Route 130 North, Cinnaminson, NJ 08077 (856) 303-2500 / (856) 858-4571 Phone/Fax:

http://www.EMSL.com

EnvChemistry2@emsl.com

EMSL Order: CustomerID: CustomerPO: 011404303

TRCE51

ProjectID:

Attn: Daren Bryant **TRC Environmental Corporation** 1430 Broadway

10th Floor

New York, NY 10018

Project: 221253

Phone:

(212) 221-7822

Fax:

(212) 221-7840

Received:

08/14/14 8:30 AM

**Analytical Results** 

Client Sample Des	cription 1st FL-DC-PCB-01 Exterior Door Caulk		С	Collected:	8/13/2014	Lab ID:	0001	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analys
3540C/8082A	Aroclor-1016	ND	0.97	mg/Kg	8/18/2014	AB	8/19/2014	EH
3540C/8082A	Aroclor-1221	ND	0.97	mg/Kg	8/18/2014	AB	8/19/2014	EH
3540C/8082A	Aroclor-1232	ND	0.97	mg/Kg	8/18/2014	AB	8/19/2014	EH
3540C/8082A	Aroclor-1242	2.2	0.97	mg/Kg	8/18/2014	AB	8/19/2014	EH
3540C/8082A	Aroclor-1248	ND	0.97	mg/Kg	8/18/2014	AB	8/19/2014	EH
3540C/8082A	Aroclor-1254	14	0.97	mg/Kg	8/18/2014	AB	8/19/2014	EH
3540C/8082A	Aroclor-1260	ND	0.97	mg/Kg	8/18/2014	AB	8/19/2014	EH
3540C/8082A	Aroclor-1262	ND	0.97	mg/Kg	8/18/2014	AB	8/19/2014	EH
3540C/8082A	Aroclor-1268	ND	0.97	mg/Kg	8/18/2014	AB	8/19/2014	EH

### **Definitions:**

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit

### SOIL / SOLID SURROGATE RECOVERY

Lab Name:

**EMSL Analytical** 

\*: Values outside of QC limits

D: Surrogate diluted out

	Compound Name:	TCX	TCX2	DCB	DCB2	Total Out
	CAS #:	877-09-8	877-09-8	2051-24-3	2051-24-3	
	QC Limits:	(30-137)	(30-137)	(30-138)	(30-138)	
011404274-53 10X	08/19/14 10:00	96 D	104 D	91 D	94 D	0
011404177-9R 10X	08/19/14 10:07	73 D	80 D	122 D	117 D	0
011404274-48 10X	08/19/14 10:18	96 D	115 D	102 D	110 D	0
011404274-54 10X	08/19/14 10:28	98 D	108 D	91 D	98 D	0
011404274-49 10X	08/19/14 10:48	99 D	119 D	102 D	110 D	0
011404274-55 10X	08/19/14 10:56	100 D	110 D	94 D	99 D	0
011404274-50 10X	08/19/14 11:19	104 D	124 D	104 D	113 D	0
011404274-56 10X	08/19/14 11:23	100 D	109 D	94 D	100 D	0
011404274-51 10X	08/19/14 11:49	100 D	120 D	102 D	112 D	0
011404274-57 10X	08/19/14 11:51	86 D	96 D	92 D	99 D	0
011404156-1 4X	08/19/14 14:00	115 D	119 D	108 D	110 D	0
011404156-2 4X	08/19/14 14:27	108 D	112 D	99 D	102 D	0
011404156-3 5X	08/19/14 14:55	81 D	85 D	124 D	124 D	0
011404303-1 4X	08/19/14 15:33	96 D	115 D	86 D	92 D	0
011404171-1 4X	08/19/14 16:03	96 D	113 D	93 D	104 D	0
011404341-1 400X	08/19/14 17:22	D	D	D	D	0
011404156-3 100X	08/19/14 17:53	D	D	D	D	0
MB 1 OP 3102-3	08/19/14 08:37	85	90	89	99	0
011404274-47 MS	08/19/14 08:47	94 D	112 D	91 D	96 D	0
LCS 1 OP 3102-3	08/19/14 09:00	85	84	87	95	0
011404274-47	08/19/14 09:17	89 D	104 D	88 D	94 D	0
011404022-7 CU	08/19/14 09:22	83	90	88	92	0
011404274-52 10X	08/19/14 09:32	101 D	110 D	94 D	99 D	0
011404177-6R 4X	08/19/14 09:45	86 D	93 D	113 D	81 D	0
011404274-47 10X	08/19/14 09:48	112 D	132 D	109 D	114 D	0

TCX=Tetrachloro-m-xylene DCB=Decachlorobiphenyl

### PCB ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MB 1 OP 3102-3 CU
Lab Name:	EMSL Analytical		
EMSL Sample ID:		Project:	
Lab File ID:	G06258.D	Sample Matrix:	SOIL / SOLID
Instrument ID:	GC-ECD-G	Sampling Date:	12:00:00 AM
Analyst:	EH	Date Extracted:	8/18/2014
GC Column:	CLPest I (0.32 mm)	Analysis Date	8/19/2014 8:37:00 AM
GC Column 2:	CLPest II (0.32 mm)	Sample wt/vol:	10 G
% Moisture:	0	Dilution Factor:	1
PH:	0	Concentrated Extract Vol:	10 (mL)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Extraction Type:	3540C	Sulfur Cleanup:	N
Method:	SW846 8081b/8082a		

CAS NO	COMPOUND	Report Limit (mg/Kg)	CONC. (mg/Kg)	Q
12674-11-2	Aroclor 1016	0.050		U
11104-28-2	Aroclor 1221	0.050		U
11141-16-5	Aroclor 1232	0.050		U
53469-21-9	Aroclor 1242	0.050		U
12672-29-6	Aroclor 1248	0.050		U
11097-69-1	Aroclor 1254	0.050		U
11096-82-5	Aroclor 1260	0.050		U
37324-23-5	Aroclor 1262	0.050		U
11100-14-4	Aroclor 1268	0.050		U

### Qualifier Definitions

U = Undetected

B = Compound detected in method blank E = Estimated value

D = Dilution

P = Results between the two columns differ >40%

### SOIL / SOLID LCS/QCS/ LFB RECOVERY

	Lab Name:	EMSL Analy	tical	Original	LCS 1 OP		
				File ID:	G06258.D/G0	6259.D	
	*: Values outside of C	iC .					
	COMPOUND	CAS NO	LOW LIMIT	HIGH LIMIT	SPIKE ADDED mg/Kg	LCS CONC. mg/Kg	LCS REC%
1	Aroclor 1016	12674-11-2	58	123	1.50	1.37	91
2	Aroclor 1260	11096-82-5	63	131	1.50	1.41	94
_	,			Total Out			0 of 2

## SOIL / SOLID MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

	Lab Name:	<b>EMSL Analytical</b>	tical	Original		011404274-47 MS 4X	7 MS 4X						
				File ID:		Y32692.D/Y32690.D/Y32691.D	2690.D/Y326	91.D					
	*: Values outside of QC	0											
	COMPOUND	CAS NO	CAS NO LOW LIMIT HIGH I	HIGH LIMIT	LIMIT RPD LIMIT	SAMPLE CONC.	MS SPIKE ADDED mg/Kg	MS CONC. mg/Kg	MS REC%	MSD SPIKE ADDED mg/Kg	MSD CONC. mg/Kg	MSD REC%	RPD%
	Aroclor 1016	12674-11-2	12	164	25	0.00	7.21	8.48	118	7.39	8.44	114	60
2	Aroclor 1260	11096-82-5	43	167	25	0.00	7.21	7.64	106	7.39	7.70	104	2
				Total Out					0 of 2			0 of 2	0 of 2

011404303

©TRC	ď	PCB BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM	ND CH	AIN OF	SUSTODY	FORM		
Client Name:	8.64	Project Name and Address:		Samples Collected By	lected By	Pa I	Page:	
N14	) §	guested Tuffaround Time:		Project Manager:	ager:	Project	Project Number:	
11/2/14	3	Surfact 1.10.1		D. Remond	400	221253	533	
- Bro			<b>建设的基础的</b>	新 語 是 压				
Bulk Sample ID No.	Коот	Material Name/Use	Location	Floor Qua	Quantity Condition (L & W) G/D/SD	Date	Time	Photo ID No.
				-				
1=4-DC-P6-01	Ext.	Exterior Door Galls	Jag. St.	1				
					+			
							201	- 45
							AU	1
							3	34,
							PM	-
							ե։	14.
							43	
								_

Condition: G-Good, D-Damaged, SD-Significantly Damaged		Special Instruction to Laboratory: Composite A, B, C samples Create one (1) composite sample	n to Laboratory: C samples mposite sample	Grab SQ of each homogeneou	mole Sur	Mo Co	Special Instruction to Laboratory:  Composite A, B, C samples  Composite A, B, C sample of each homogeneous material from equal mass portions (15%) of the three (3) substitute one (1) composite sample of each homogeneous material from equal mass portions (15%) of the three (3) substitute one (1) composite sample of each homogeneous material from equal mass portions (15%) of the three (3) substitute (15%) composite sample of each homogeneous material from equal mass portions (15%) of the three (3) substitute (15%) composite sample of each homogeneous material from equal mass portions (15%) of the three (15%) composite sample of each homogeneous material from equal mass portions (15%) of the three (15%) composite sample of each homogeneous material from equal mass portions (15%) of the three (15%) composite sample of each homogeneous material from equal mass portions (15%) of the three (15%) composite sample of each homogeneous material from equal mass portions (15%) of the three (15%) composite sample of each homogeneous material from equal mass portions (15%) of the three (15%) composite sample of each homogeneous material from equal mass portions (15%) composite sample of each homogeneous material from equal mass portions (15%) composite sample (15%) composite sampl	Special Instruction to Laboratory:  Composite A, B, C samples  Composite A, B, C samples  Create one (1) composite sample of each homogeneous fraterior from equal mass portions (±3%) of the three (3) subsamples for Create one (1) composite sample of each homogeneous fraterior from equal mass portions (±3%) of the three (3) subsamples for
0	The Contract of the Contract o	extraction and a	natysis via BPA	nemod 5002 Jor me	COLOMINS AN	TOWNSTON		· · · · · · · · · · · · · · · · · · ·
A Paris Pari	Date	Time	Received By:		Date	Time	Method Of Submittal	
Kellnquished By	8/18	14	100 S	8 Hal 4104 660	18-13-14	18-13-14 4943PH Field	Field	
(Frince)			-		, ,		Walk In	
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II. (Pring:					-		Others	
(Sign)	Analytical Method		Lab Comments:	ents:			Analyzed By:	Date & Time:
	Analytical paramon.						Print Name:	
	* See special instructions	tions box					Sign:	



200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn:

**Daren Bryant TRC Environmental Corporation** 1430 Broadway 10th Floor New York, NY 10018

Phone: (212) 221-7822

Fax:

(212) 221-7840

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 8/28/2014. The results are tabulated on the attached data pages for the following client designated project:

221253.0000.0000

The reference number for these samples is EMSL Order #011404603. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Reviewed and Approved By:

Julie Smith - Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted. NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

9/5/2014



200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 858-4571

EnvChemistry2@emsl.com http://www.EMSL.com

EMSL Order: CustomerID:

011404603

TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant TRC Environmental Corporation 1430 Broadway

10th Floor New York, NY 10018

Project: 221253.0000.0000

Phone:

(212) 221-7822

Fax:

(212) 221-7840

Received: 08/28/14 9:45 AM

**Analytical Results** 

		7 tildly tiour i to					
Client Sample De	scription 8/25/14 - EBLANK Equipment Blank		Collected:	8/26/2014 9:20:00 AM	Lab ID:	0001	
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
3580A/8082	Aroclor-1016	ND	0.50 mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aroclor-1221	ND	0.50 mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aroclor-1232	ND	0.50 mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aroclor-1242	ND	0.50 mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aroclor-1248	ND	0.50 mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aroclor-1254	ND	0.50 mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aroclor-1260	ND	0.50 mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aroclor-1262	ND	0.50 mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aroclor-1268	ND	0.50 mg/Kg	9/5/2014	CF	9/5/2014	TL

Client Sample Description

13th FL - PCB - SUB - WC -01 Sub Under Ext Win Frame Caulk 0" Scaffold Drop #2

Collected:

8/26/2014 Lab ID: 0002

9:45:00 AM

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	49	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1221	ND	49	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1232	ND	49	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1242	ND	49	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1248	ND	49	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1254	580	49	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1260	ND	49	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1262	ND	49	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1268	ND	49	mg/Kg	8/29/2014	CF	9/2/2014	EH
Client Sample Des	cription 12th FL - PCB - SUB - WC -02			Collected:	8/26/2014	Lab ID:	0003	

**Client Sample Description** 

12th FL - PCB - SUB - WC -02 Sub Under Ext Win Frame Caulk 0" Scaffold Drop #2

1:15:00 PM

Analysis

					Prep		Analysis	
Method	Parameter Parame	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	25	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1221	ND	25	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1232	ND	25	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1242	ND	25	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1248	ND	25	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1254	260	25	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1260	ND	25	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1262	ND	25	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1268	ND	25	mg/Kg	8/29/2014	CF	9/2/2014	EH



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http://www.EMSL.com EnvChemistry2@emsl.com

EMSL Order: CustomerID: 011404603

TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant

**TRC Environmental Corporation** 

1430 Broadway 10th Floor

New York, NY 10018

Project: 221253.0000.0000

Phone:

(212) 221-7822

Fax

(212) 221-7840

Received:

08/28/14 9:45 AM

**Analytical Results** 

Client Sample De	•		Collected:	8/26/2014 9:30:00 AM	Lab ID:	0004	
Method	Equipment Blank  Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
3580A/8082	Aroclor-1016	ND	0.50 mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aroclor-1221	ND	0.50 mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aroclor-1232	ND	0.50 mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aroclor-1242	ND	0.50 mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aroclor-1248	ND	0.50 mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aroclor-1254	ND	0.50 mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aroclor-1260	ND	0.50 mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aroclor-1262	ND	0.50 mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aroclor-1268	ND	0.50 mg/Kg	9/5/2014	CF	9/5/2014	TL

Client Sample Description

11th FL - PCB - SUB - WC - 03

Sub Under Ext Win Frame Caulk 0" Scaffold Drop #2 Collected: 8/26

8/26/2014 Lab ID: 0005

10:40:00 AM

Prep Analysis Result RL Units Date **Analyst** Date Analyst Parameter Method 8/29/2014 CF 9/2/2014 EΗ Aroclor-1016 ND 50 mg/Kg 3540C/8082A CF 9/2/2014 EΗ ND 8/29/2014 Aroclor-1221 50 mg/Kg 3540C/8082A ND 50 mg/Kg 8/29/2014 CF 9/2/2014 ΕH Aroclor-1232 3540C/8082A 8/29/2014 CF 9/2/2014 EH ND 50 mg/Kg 3540C/8082A Aroclor-1242 ND 50 mg/Kg 8/29/2014 CF 9/2/2014 EH Aroclor-1248 3540C/8082A CF 9/2/2014 EΗ 8/29/2014 570 mg/Kg 3540C/8082A Aroclor-1254 8/29/2014 CF 9/2/2014 EH ND 50 3540C/8082A Aroclor-1260 mg/Kg ND 50 mg/Kg 8/29/2014 CF 9/2/2014 EΗ 3540C/8082A Aroclor-1262 ND 50 mg/Kg 8/29/2014 CF 9/2/2014 EH 3540C/8082A Aroclor-1268

Client Sample Description

11th FL - PCB - SUB - WC - 04 Sub Under Ext Win Frame Caulk 1"

Scaffold Drop #2

Collected:

8/26/2014 11:10:00 AM

Lab ID: 0006

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1254	15	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH



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EMSL Order: CustomerID:

011404603

TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant

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New York, NY 10018

Project: 221253.0000.0000

Phone:

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Received:

08/28/14 9:45 AM

**Analytical Results** 

11th FL - PCB - SUB - WC - 05 Client Sample Description

Sub Under Ext Win Frame Caulk 3"

Collected:

8/26/2014

Lab ID: 0007

11:30:00 AM

	Scaffold Drop #2						
Method	Parameter	Result F	L Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND 0.4	49 mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1221	ND 0.4	19 mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1232	ND 0.	19 mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1242	ND 0	49 mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1248	ND 0.	49 mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1254	2.5 0	49 mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1260	ND 0.	49 mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1262	ND 0	49 mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1268	ND 0.	49 mg/Kg	8/29/2014	CF	9/2/2014	EH

Client Sample Description

12th FL - PCB - SUB - WC - 06

Sub Under Ext Win Frame Caulk 1" Scaffold Drop #2

Collected:

8/26/2014

Lab ID: 0008

1:15:00 PM

		B //		Unito	Prep	Anniver	Analysis	Amaluat
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1254	13	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH

Client Sample Description

12th FL - PCB - SUB - WC - 07

Sub Under Ext Win Frame Caulk 3"

Scaffold Drop #2

Collected:

8/26/2014

Lab ID: 0009

1:40:00 PM

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
Methon	rarameter					-		
3540C/8082A	Aroclor-1016	ND	0.49	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1221	ND	0.49	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1232	ND	0.49	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1242	ND	0.49	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1248	ND	0.49	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1254	2.2	0.49	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1260	ND	0.49	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1262	ND	0.49	mg/Kg	8/29/2014	CF	9/2/2014	EH



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Received:

08/28/14 9:45 AM

**Analytical Results** 

12th FL - PCB - SUB - WC - 07 **Client Sample Description** 

Sub Under Ext Win Frame Caulk 3"

Scaffold Drop #2

Collected:

8/26/2014 1:40:00 PM Lab ID:

0009

Analysis Prep Date Parameter Result RL Units Date Analyst Analyst Method ND 8/29/2014 9/2/2014 EH 0.49 mg/Kg CF 3540C/8082A Aroclor-1268

Client Sample Description 13th FL - PCB - SUB - WC - 08

Sub Under Ext Win Frame Caulk 1"

Scaffold Drop #2

Collected: 8/26/2014 Lab ID: 0010

2:00:00 PM

Analysis Prep Analyst Date Analyst Parameter Result RL Units Date Method ND 0.50 mg/Kg 8/29/2014 CF 9/2/2014 EH Aroclor-1016 3540C/8082A CF 9/2/2014 8/29/2014 EΗ ND 0.50 mg/Kg 3540C/8082A Aroclor-1221 CF 9/2/2014 8/29/2014 EH 3540C/8082A Aroclor-1232 ND 0.50 mg/Kg ND 0.50 mg/Kg 8/29/2014 CF 9/2/2014 EΗ 3540C/8082A Aroclor-1242 ND 8/29/2014 CF 9/2/2014 EΗ 0.50 mg/Kg 3540C/8082A Aroclor-1248 16 0.50 mg/Kg 8/29/2014 CF 9/2/2014 EΗ 3540C/8082A Aroclor-1254 CF 9/2/2014 EH ND 0.50 mg/Kg 8/29/2014 3540C/8082A Aroclor-1260 8/29/2014 CF 9/2/2014 EΗ ND 0.50 mg/Kg 3540C/8082A Aroclor-1262 8/29/2014 CF 9/2/2014 EH ND 0.50 mg/Kg Aroclor-1268 3540C/8082A

Client Sample Description

13th FL - PCB - SUB - WC - 09

Sub Under Ext Win Frame Caulk 3" Scaffold Drop #2

Collected:

8/26/2014

Lab ID: 0011

2:15:00 PM

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1254	3.7	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	8/29/2014	CF	9/2/2014	EH

### **Definitions:**

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit

### ORGANIC PESTICIDE/PCB SURROGATE RECOVERY

Lab Name:

**EMSL** Analytical

\*: Values outside of QC limits

D: Surrogate diluted out

Compound Name:	TCX	TCX2	DCB	DCB2	Total Out
CAS #:	877-09-8	877-09-8	2051-24-3	2051-24-3	
QC Limits:	(30-140)	(30-140)	(30-140)	(30-140)	
09/05/14 13:07	81	137	118	107	0
09/05/14 13:31	82	145 *	123	112	1
09/05/14 13:54	60	84	39	40	0
09/05/14 14:18	73	88	104	92	0
09/05/14 14:42	84	137	113	102	0
09/05/14 15:05	85	139	115	104	0
	CAS #: QC Limits: 09/05/14 13:07 09/05/14 13:31 09/05/14 13:54 09/05/14 14:18 09/05/14 14:42	Compound Name: TCX  CAS #: 877-09-8  QC Limits: (30-140)  09/05/14 13:07 81  09/05/14 13:31 82  09/05/14 13:54 60  09/05/14 14:18 73  09/05/14 14:42 84	Compound Name:         TCX         TCX2           CAS #:         877-09-8         877-09-8           QC Limits:         (30-140)         (30-140)           09/05/14 13:07         81         137           09/05/14 13:31         82         145 *           09/05/14 13:54         60         84           09/05/14 14:18         73         88           09/05/14 14:42         84         137	Compound Name:         TCX         TCX2         DCB           CAS #:         877-09-8         877-09-8         2051-24-3           QC Limits:         (30-140)         (30-140)         (30-140)           09/05/14 13:07         81         137         118           09/05/14 13:31         82         145 *         123           09/05/14 13:54         60         84         39           09/05/14 14:18         73         88         104           09/05/14 14:42         84         137         113	Compound Name:         TCX         TCX2         DCB         DCB2           CAS #:         877-09-8         877-09-8         2051-24-3         2051-24-3           QC Limits:         (30-140)         (30-140)         (30-140)         (30-140)           09/05/14 13:07         81         137         118         107           09/05/14 13:31         82         145 *         123         112           09/05/14 13:54         60         84         39         40           09/05/14 14:18         73         88         104         92           09/05/14 14:42         84         137         113         102

TCX=Tetrachloro-m-xylene DCB=Decachlorobiphenyl

### PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MB 1 3102-43
Lab Name:	EMSL Analytical		
EMSL Sample ID:		Project:	
Lab File ID:	H05543.D	Sample Matrix:	Organic
Instrument ID:	GC-ECD-H	Sampling Date:	12:00:00 AM
Analyst:	TL	Date Extracted:	9/5/2014
GC Column:	CLPest I (0.32 mm)	Analysis Date	9/5/2014 2:18:00 PM
GC Column 2:	CLPest II (0.32 mm)		1 G
% Moisture:	0	Dilution Factor:	1
PH:	0	Concentrated Extract Vol:	10 (ml)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Extraction Type:	3580A	Sulfur Cleanup:	N
Method:	SW846 8081b/8082a		

CAS NO	COMPOUND	Report Limit (mg/kg)	CONC. (mg/kg)	Q
12674-11-2	Aroclor 1016	0.50		U
11104-28-2	Aroclor 1221	0.50		U
11141-16-5	Aroclor 1232	0.50		U
53469-21-9	Aroclor 1242	0.50		U
12672-29-6	Aroclor 1248	0.50		U
11097-69-1	Aroclor 1254	0.50		U
11096-82-5	Aroclor 1260	0.50		U
37324-23-5	Aroclor 1262	0.50		U
11100-14-4	Aroclor 1268	0.50		U

Qualifier Definitions

U = Undetected

B = Compound detected in method blank

E = Estimated value

D = Dilution
P = Results between the two columns differ >40%

PCB's by 3580a/8082a

Laboratory Control Spike/ Laboratory Control Spike Duplicate Recovery Form

Matrix mg/Kg Spike Added

Organic 15.000

Analytical Sequence # H140905
Analytical Batch # OP 3102-43
Analytical Batch Extraction Date 09/05/14

LCS 2 OP 3102-43	HUSSAS D
LCS 1 OP 3102-43	HOSSAA D
ıta File:	÷2 [:]2.

Data File:	LCS 1 OP 3102-43	3102-43	LCS 2 OP 3102-43	102-43			
Data File:	H05544.D		H05545.D				
Analysis Time/Date	9/5/14 2:42 PM	PM	9/5/14 3:05 PM	Mc			
	LCS 1	LCS 1	LCS 2	LCS 2	Recovery		RPD
Compound	mg/Kg	RECOVERY	mg/Kg	RECOVERY	Limits	RPD	Limits
Aroclor 1016	17.2	114	17.6	117	78 - 201	3	20
Aroclor 1260	18.3	122	18.8	125	57 - 218	2	20

### SOIL / SOLID SURROGATE RECOVERY

Lab Name:

**EMSL Analytical** 

\* : Values outside of QC limits

D: Surrogate diluted out

	Compound Name:	TCX	TCX2	DÇB	DCB2	Total Out
	CAS #:	877-09-8	877-09-8	2051-24-3	2051-24-3	
	QC Limits:	(30-137)	(30-137)	(30-138)	(30-138)	
011404579-1 5X	09/02/14 13:56	108 D	128 D	93 D	106 D	0
011404603-5 1kX	09/02/14 22:02	D	D	D	D	0
LCS 1 OP 3102-31	09/02/14 10:07	95	108	92	101	0
011404617-1 5X	09/02/14 10:13	114 D	136 D	101 D	111 D	0
011404559-1 10X	09/02/14 10:34	127 D	119 D	93 D	121 D	0
011404559-3 3X	09/02/14 11:02	117 D	112 D	89 D	107 D	0
011404615-1	09/02/14 11:51	D	D	D	D	0
011404579-2 5X	09/02/14 14:27	108 D	130 D	102 D	114 D	0
011404583-1 8X	09/02/14 14:58	128 D	140 D	125 D	146 D	0
011404603-6 10X	09/02/14 16:59	111 D	137 D	111 D	123 D	0
011404603-7 10X	09/02/14 17:29	119 D	144 D	115 D	128 D	0
011404603-8 10X	09/02/14 18:00	114 D	140 D	115 D	127 D	0
011404603-9 10X	09/02/14 18:30	109 D	134 D	118 D	130 D	0
011404603-10 10X	09/02/14 19:01	106 D	132 D	114 D	124 D	0
011404603-11 10X	09/02/14 19:31	100 D	124 D	101 D	114 D	0
011404603-3 MS	09/02/14 20:01	D	D	D	D	0
011404603-3 MSD	09/02/14 20:32	D	D	D	D	0
011404603-2 1kX	09/02/14 21:02	D	D	D	D	0
011404603-3 500X		D	D	D	D	0
MB 1 OP 3102-31	09/02/14 09:40	101	114	97	111	0

TCX=Tetrachloro-m-xylene DCB=Decachlorobiphenyl

Printed: 09/03/14 12:31:38 PM

SampleList: QC Batch OP 3102-31 ERM: K:\EMSL\_ENV\ERMs\8081-8082\8082soll.erm

### PCB ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MB 1 OP 3102-31 CU
Lab Name:	EMSL Analytical	_	
EMSL Sample ID:		Project:	
Lab File ID:	X36275.D	Sample Matrix:	SOIL / SOLID
Instrument ID:	ECD-X	Sampling Date:	12:00:00 AM
Analyst:	EH	Date Extracted:	8/29/2014
GC Column:	CLPest I (0.25 mm)	Analysis Date	9/2/2014 9:40:07 AM
GC Column 2:	CLPest I (0.25 mm)	Sample wt/vol:	10 G
% Moisture:	0	Dilution Factor:	1
PH:	0	Concentrated Extract Vol:	10 (mL)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Extraction Type:	3540C	Sulfur Cleanup:	N
Method:	SW846 8081b/8082a		

CAS NO	COMPOUND	Report Limit (mg/Kg)	CONC. (mg/Kg)	Q
12674-11-2	Aroclor 1016	0.050		U
11104-28-2	Aroclor 1221	0.050		U
11141-16-5	Aroclor 1232	0.050		U
53469-21-9	Aroclor 1242	0.050		U
12672-29-6	Aroclor 1248	0.050		Ų
11097-69-1	Aroclor 1254	0.050		U
11096-82-5	Aroclor 1260	0.050		U
37324-23-5	Aroclor 1262	0.050		U
11100-14-4	Aroclor 1268	- 0.050		U

Qualifier Definitions

U = Undetected

B = Compound detected in method blank

E = Estimated value

D = Dilution
P = Results between the two columns differ >40%

SampleList: QC Batch OP 3102-31 ERM: K:\EMSL\_ENV\ERMs\8081-8082\8082soil.erm

### SOIL / SOLID LCS/QCS/ LFB RECOVERY

	Lab Name:	EMSL Analy	tical	Original	LCS 1 OP		
		-		File ID:	X36275.D/X36	3276.D	
	*: Values outside of	4.0					
	COMPOUND	CAS NO	LOW LIMIT	HIGH LIMIT	SPIKE ADDED mg/Kg	LCS CONC. mg/Kg	LCS REC%
1	Aroclor 1016	12674-11-2	58	123	1.50	1.46	98
2	Aroclor 1260	11096-82-5	63	131	1.50	1.53	102
			-	Total Out			0 of 2

## SOIL / SOLID MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

	Lab Name:	<b>EMSL</b> Analytical	tical	Original		011404603-3 MS 500X	3 MS 500X						
				File ID:		Y32906.D/Y3	732906.D/Y32903.D/Y32904.D	04.D					
	*: Values outside of												
	COMPOUND	CAS NO	CAS NO LOW LIMIT	HIGH	RPD LIMIT	SAMPLE CONC.	MS SPIKE ADDED mg/Kg	MS CONC. mg/Kg	MS REC%	MSD SPIKE ADDED mg/Kg	MSD CONC. mg/Kg	MSD REC%	RPD %
	Aroclor 1016	12674-11-2	12	164	25	00.0	1.48	00.0	*0	1.48	0.00	*0	)
	Aroclor 1260	11096-82-5	43	167	25	00.00	1.48	00:0	*0	1.48	0.00	* 0	)
T				Total Out					2 of 2			2 of 2	0 of 2

- The LCS spike on the Matrix Spike and Matrix Spike Duplicate (MS/MSD) was diluted out due to high concentration of Aroclor 1254 in the unspiked sample.
- The laboratory control sample (LCS) recoveries fell within control limits. •

FORM III PCB\_2

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<b>QTRC</b>	T	PCB BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM	A AND CH	AIN OF CUS	STODY	FORM		
Client Name:	6	Project Name and Address:  Samples Collected By  Samples Collected By  Or HAPKON (D. KHIMICH of D.	KW NY	Samples Collected By O. HILLYON (D. L.	By KHIMIC	H Page:	jo J	7
Date: 8/26/14	Z Ø	Requested Turnaround Time: Standard / WEEK		Project Manager:	P	Project Number: 22.12.5.00	Project Number: 22/12/53, 0000, 0000	0000
		The state of the s						
Bulk Sample ID No.	Room	Material Name/Use	Location	Floor (L & W) G/D/SD	Condition G/D/SD	Date	Time	Photo ID No.

8/25/14-EBLANK		EDUIPHENT BLANK	1	ı	1		07/2 // 0/50	2/10
1374FL- PCR-SUR-WC- 01		10%	245F019	13	245	Q	8/12/14 0945	5460
		WINDOW FLAME CAULK 0"			>			
17TH FI-102-5UB-WC.	8	17TH FI-1CR - SUB-WC-OL . SUBSTRATE WAER EXTERIOR SOMFEW	SCAFFW	17	719	0	8/25/14 1315	1315
		WINDOW FRANC CAVIK O" DRY # 2	7#60		0			
- minus		1 6	1	(	1	١	8/26/14 0780	0780
11 TH El -070 - 50R -W	20-2	HINE I -DOD - SUR-LL-OF . CURSTRATE UNVER EXPERING SAFFORM	of Septon	=	225	9	अंगा भागा	1040
200		WINDOW FLAME CAULK O"	7#600		0			G 2
11THE -008 - SUB- LAT.	20	11 THE - DES - SUP - W OY . SURSTRUTE WAS ESTRUM		11	35.5	0	8/16/14 1195	1/18
6.0.0		William Clane Churk I'm	2000					PM
110HF - MR - SUR- LA - OF	70	· SUBSTRATE WHERE EXTERIOR	KAPPON!	11	370	9	8/1/6/19 1/30	// ED
		WINDOW FLAME CAULK 3"						41
8 12714-9CB -5UB-4C-06		4	Supray down	7/	364	9	8/14/19 1315	1315
		WINDOW FLAME CAULK I"						

Condition:	Special Instruction to Laboratory	Special Instruction to Laboratory: No Cornos, T. ALL GATS SHIVES, (R) 8/26/14	SAMOLET. OR STABLITY
G- Good, D-Damaged, SD- Significantly Damaged	Create one (1) comp	Create one (1) composite sample of each homogeneous material from equal mass portions (± 5%) of the three (3) subsecretion and analysis via EPA Method 8082 for the following Arochlors: 1016, 1221, 1232, 1242, 1248, 1254, 1260.	Create one (1) composite sample of each homogeneous material from equal mass portions (± 5%) of the three (3) subsamples for extraction and analysis via EPA Method 8082 for the following Arochlors: 1016, 1221, 1232, 1242, 1248, 1254, 1260.
	ETIMENION CUISTOBALD	PERSONAL CONTRACTOR SECTION OF THE PROPERTY OF THE PERSON	
Relinquished Rv.	Date Time	Received By:	Method Of Submittal
Dilli Mitter William	0h: 01 Kryc-8	WIND MENT IN	, Alf of Field
(S.cm)	L	-	Welk In
II (Print)		1.0 828/m # 2410	G Fed-Ex
(Sign)			Others
(Ser)	Tethod:	1sb Comments:	Analyzed By: Date & Time:
The state of the s			Print Name:
* See special instru	EFA Metitod 8082 * See special instructions bax)		Sign:

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@TRC	PC	PCB BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM	ND CH	NNO	FCUS	TODY	FORM		
Client Name:	Proje	Project Name and Address:	7000	Sample O. M.	10	By Krywic	-	<b>7</b> of	d
Date: 8/16/14	Requ	Requested Turnaround Time: Standard / WEEK		Project	Project Manager:		21/253.00	21/25.000.	0000
Bulk Sample ID No.	Room	Material Name/Use	Location	Floor	Quantify (L&W)	Condition G/D/SD	Date	Time	Photo ID No.
9) 1277FL - PCB - SVB-WG	to -	WATE UNDER GETTERING	Gr. Surs	77	35h	Q	8/157/18	1340	
(C) 13mel - DCB - 500-40C	20-3	· SUBSTRATE UNDER CKERIOR	Scrifford Scrifford	/3	438	A	119718	1400	
M-8U2-8-9-17-18-10	60-3	- SUBSTRATE CAVUR 1.	Warren !	(3)	354	V	8/11/14	SIhI	1.11
17MR-PR-5UR-WE	0/-3	3	Secretary	11	42,5	9	श्रीवर्गात	140	4.5
JW-812-89-14#11 \$ (0)	11-	WOEL EN	Safe	4	Ses	0	M11/8		1
13th PL-PCB-548-W	71-3	EASE UNDER GR	SCAFFOUR	(3	404	Q	क्रांग्रा	65°PH 6:	E .
								41	
& puere how	SAMPLE	E PENJ MG ANALYSIS OF	other	SAMPLES	1	50 m	(mspec)		1
Condition: G- Good, D-Damaged, SD-Significa	SD-Significantly Damaged	pecial Instruction to Laboratory: composite 4, B, C samples Treate one (1) composite sample of each l xtraction and analysis via EPA Method	Pos M. A.U. homogeneous mater 8082 for the followi	terial from	SAMPLES equal mass poi tiors: 1016, 122	ES (AS) portions (± 5' 1221, 1232, 1.	8/16/17 %) of the three 242, 1248, 125	7 :e (3) subsan 54, 1260.	mples
Relinquished By:  1. (Print): DMTCV KH.  (Sign): D-KMM&CM.  II (Print):	KAIIWICH	Date Time Releived By:	The Spirit		Fine Uffer	Method Of Submittal Field Walk In Fed-Ex	nittal		
(Sign);	Analytical Method:	Analytical Method: Lab Comments: EPA Method 8082 Seasonial interactions has				Others Analyzed By: Print Name: Sign:	Date & Time:	2 Time:	



200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn:

Daren Bryant TRC Environmental Corporation 1430 Broadway 10th Floor New York, NY 10018

Phone: (212) 221-7822 Fax: (212) 221-7840

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 9/10/2014. The results are tabulated on the attached data pages for the following client designated project:

221253.0000.0000 / 370 Jay Street, Brooklyn, NY

The reference number for these samples is EMSL Order #011404832. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Reviewed and Approved By:

Julie Smith - Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted. NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

9/18/2014



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http://www.EMSL.com EnvChemistry2@emsl.com EMSL Order: CustomerID:

011404832

TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant

**TRC Environmental Corporation** 

1430 Broadway 10th Floor

New York, NY 10018

Project: 221253.0000.0000 / 370 Jay Street, Brooklyn, NY

Phone:

(212) 221-7822

Fax: Received: (212) 221-7840

09/10/14 9:00 AM

**Analytical Results** 

		7 tildiy tidal 1	100011					
Client Sample Des	9/5/14 - E Blank Equipment Blank		C	Collected:	9/5/2014 8:00:00 AM	Lab ID:	0001	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3580A/8082	Aroclor-1016	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Aroclor-1221	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TŁ
3580A/8082	Aroclor-1232	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Arocior-1242	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Aroclor-1248	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Aroclor-1254	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Aroclor-1260	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Aroclor-1262	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Aroclor-1268	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL

Client Sample Description

13thFL-PCB-SUB-WC-01

Substrate Under Exterior Window Frame

Collected:

9/5/2014

8:20:00 AM

Lab ID: 0002

Caulk 0"

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analys
3540C/8082A	Aroclor-1016	ND	25	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1221	ND	0.050	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1232	ND	25	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1242	ND	25	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1248	ND	25	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1254	280	25	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1260	ND	25	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1262	ND	25	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1268	ND	25	mg/Kg	9/15/2014	AB	9/16/2014	EH

Client Sample Description

13thFL-PCB-SUB-WC-02

Substrate Under Exterior Window Frame

Collected:

9/5/2014

Lab ID: 0003

8:40:00 AM

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND 0	.50	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1221	ND 0	.50	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1232	ND C	.50	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1242	ND 0	.50	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1248	ND 0	.50	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1254	33	2.5	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1260	ND	2.5	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1262	ND	2.5	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1268	ND 0	0.50	mg/Kg	9/15/2014	AB	9/16/2014	EH



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**TRC Environmental Corporation** 

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Phone:

(212) 221-7822

EMSL Order:

CustomerID:

CustomerPO:

ProjectID:

011404832

TRCE51

Fax: Received: (212) 221-7840 09/10/14 9:00 AM

10:15:00 AM

1430 Broadway

10th Floor New York, NY 10018

Project: 221253.0000.0000 / 370 Jay Street, Brooklyn, NY

**Daren Bryant** 

**Analytical Results** 

Collected: 9/5/2014 Lab ID: 0004 **Client Sample Description** 13thFL-PCB-SUB-WC-03 9:05:00 AM Substrate Under Exterior Window Frame

	Caulk 3"							
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1254	7.1	0.50	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	9/15/2014	AB	9/16/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	9/15/2014	AB	9/16/2014	EH

12thFL-PCB-SUB-WC-05 Collected: 9/5/2014 Lab ID: 0006 Client Sample Description Substrate Under Exterior Window Frame 10:00:00 AM

Caulk 0"

Prep **Analysis** Analyst Date Analyst RL Units Date Result Method **Parameter** 9/16/2014 ND 25 mg/Kg 9/15/2014 AB EH 3540C/8082A Aroclor-1016 9/15/2014 AB 9/16/2014 EΗ ND 25 mg/Kg Aroclor-1221 3540C/8082A 9/16/2014 EΗ ND mg/Kg 9/15/2014 AB Aroclor-1232 3540C/8082A ND 25 9/15/2014 AB 9/16/2014 EΗ mg/Kg Aroclor-1242 3540C/8082A AB 9/16/2014 EH ND 25 mg/Kg 9/15/2014 Aroclor-1248 3540C/8082A 190 25 mg/Kg 9/15/2014 AB 9/16/2014 ĒΗ 3540C/8082A Aroclor-1254 ND 25 9/15/2014 AB 9/16/2014 EΗ mg/Kg Aroclor-1260 3540C/8082A EΗ 9/16/2014 ND 25 mg/Kg 9/15/2014 AB 3540C/8082A Aroclor-1262 9/16/2014 ND 25 mg/Kg 9/15/2014 AB EΗ 3540C/8082A Aroclor-1268

Collected: 9/5/2014 Lab ID: 0007 Client Sample Description 12thFL-PCB-SUB-WC-06

Substrate Under Exterior Window Frame

Caulk 1'

Analysis Prep Analyst Analyst Parameter Result **RL Units** Date Date Method EΗ AB 9/16/2014 ND 0.50 mg/Kg 9/15/2014 3540C/8082A Aroclor-1016 ND 0.50 mg/Kg 9/15/2014 AB 9/16/2014 EΗ 3540C/8082A Aroclor-1221 ND 0.50 mg/Kg 9/15/2014 AB 9/16/2014 EH 3540C/8082A Aroclor-1232 ND 0.50 9/15/2014 AB 9/16/2014 EΗ mg/Kg 3540C/8082A Aroclor-1242 9/15/2014 AB 9/16/2014 EΗ ND 0.50 mg/Kg Aroclor-1248 3540C/8082A 9/16/2014 EΗ 9/15/2014 AB 14 0.50 mg/Kg 3540C/8082A Aroclor-1254 ND mg/Kg 9/15/2014 AB 9/16/2014 EH 0.50 3540C/8082A Aroclor-1260 9/15/2014 AB 9/16/2014 EΗ ND 0.50 mg/Kg Aroclor-1262 3540C/8082A



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Phone:

(212) 221-7822

Fax:

RL

0.50

Units

mg/Kg

(212) 221-7840

Received:

09/10/14 9:00 AM

Attn: Daren Bryant TRC Environmental Corporation 1430 Broadway 10th Floor New York, NY 10018

Method

3540C/8082A

Project: 221253.0000.0000 / 370 Jay Street, Brooklyn, NY

**Analytical Results** 

Result

ND

12thFL-PCB-SUB-WC-06 **Client Sample Description** 

Substrate Under Exterior Window Frame

Caulk 1'

Parameter

Aroclor-1268

Collected: 9/5/2014

Lab ID: 0007

EMSL Order:

CustomerID:

CustomerPO:

ProjectID:

011404832

TRCE51

10:15:00 AM

Prep Analysis Analyst Date Analyst Date

AB

Lab ID:

9/16/2014

0008

EΗ

12thFL-PCB-SUB-WC-07 Collected: Client Sample Description

Substrate Under Exterior Window Frame

Caulk 3"

9/5/2014

10:30:00 AM

9/15/2014

Analysis Prep Parameter Result RL Units Date Analyst Date Analyst Method 9/15/2014 AB 9/16/2014 EH ND 0.50 mg/Kg 3540C/8082A Aroclor-1016 ND 0.50 mg/Kg 9/15/2014 AB 9/16/2014 ĒΗ 3540C/8082A Aroclor-1221 ND 0.50 mg/Kg 9/15/2014 AB 9/16/2014 FΗ 3540C/8082A Aroclor-1232 ND 9/15/2014 AB 9/16/2014 EΗ 0.50 mg/Kg 3540C/8082A Aroclor-1242 AB 9/16/2014 EΗ ND 0.50 mg/Kg 9/15/2014 3540C/8082A Aroclor-1248 9/15/2014 AB 9/16/2014 EH 2.1 0.50 mg/Kg Aroclor-1254 3540C/8082A 9/16/2014 EΗ ND 9/15/2014 AB 0.50 mg/Kg 3540C/8082A Aroclor-1260 EΗ Aroclor-1262 ND 0.50 mg/Kg 9/15/2014 AB 9/16/2014 3540C/8082A ND 0.50 mg/Kg 9/15/2014 AB 9/16/2014 EH 3540C/8082A Aroclor-1268

Client Sample Description

11thFL-PCB-SUB-WC-09

Substrate Under Exterior Window Frame Caulk 0"

Collected:

9/5/2014

Lab ID: 0010

11:00:00 AM

Prep Analysis RL Units Date Analyst Date Analyst Parameter Result Method 9/16/2014 ND 25 mg/Kg 9/15/2014 AB EH 3540C/8082A Aroclor-1016 9/15/2014 AB 9/16/2014 EH Aroclor-1221 ND mg/Kg 3540C/8082A AB 9/16/2014 EH ND 25 mg/Kg 9/15/2014 3540C/8082A Aroclor-1232 ND 25 9/15/2014 AB 9/16/2014 FΗ mg/Kg 3540C/8082A Aroclor-1242 9/15/2014 AB 9/16/2014 EH ND 25 mg/Kg 3540C/8082A Aroclor-1248 380 25 mg/Kg 9/15/2014 AB 9/16/2014 EΗ 3540C/8082A Aroclor-1254 25 9/15/2014 AB 9/16/2014 EH ND mg/Kg Aroclor-1260 3540C/8082A 9/15/2014 AB 9/16/2014 EΗ ND 25 mg/Kg 3540C/8082A Aroclor-1262 9/16/2014 EΗ ND 25 mg/Kg 9/15/2014 AB 3540C/8082A Aroclor-1268

Client Sample Description

11thFL-PCB-SUB-WC-10

Substrate Under Exterior Window Frame Caulk 1"

Collected:

Lab ID: 0011

11:15:00 AM

9/5/2014

Analysis Prep Analyst Date Analyst Parameter Result RI Units Date Method 9/15/2014 AB 9/16/2014 EH ND 0.50 mg/Kg 3540C/8082A Aroclor-1016 9/16/2014 EΗ ND 0.50 mg/Kg 9/15/2014 AB 3540C/8082A Aroclor-1221 9/15/2014 AB 9/16/2014 EH ND 0.50 mg/Kg 3540C/8082A Aroclor-1232



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EMSL Order: CustomerID: 011404832

TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant

**TRC Environmental Corporation** 

1430 Broadway 10th Floor

New York, NY 10018

Project: 221253.0000.0000 / 370 Jay Street, Brooklyn, NY

Phone:

(212) 221-7822

Fax: Received: (212) 221-7840

09/10/14 9:00 AM

Method 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A Glient Sample Description	Parameter Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268  In 11thFL-PCB-SUB-WC-1 Substrate Under Exterio Caulk 3"		0.50 0.50 2.5 2.5 2.5 0.50	Units mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Collected:	Prep Date 9/15/2014 9/15/2014 9/15/2014 9/15/2014 9/15/2014 9/15/2014 11:30:00 AM	Analyst AB	Analysis Date 9/16/2014 9/16/2014 9/17/2014 9/17/2014 9/16/2014 0012	Analyst EH EH EH EH EH EH
3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A Client Sample Description	Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268  11thFL-PCB-SUB-WC-1 Substrate Under Exterio	ND 27 ND ND ND	0.50 2.5 2.5 2.5 0.50	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	9/15/2014 9/15/2014 9/15/2014 9/15/2014 9/15/2014 9/5/2014	AB AB AB AB AB	9/16/2014 9/17/2014 9/17/2014 9/17/2014 9/16/2014	EH EH EH
3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A Client Sample Description	Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268  71 11thFL-PCB-SUB-WC-1 Substrate Under Exterio	27 ND ND ND	2.5 2.5 2.5 0.50	mg/Kg mg/Kg mg/Kg mg/Kg	9/15/2014 9/15/2014 9/15/2014 9/15/2014 9/5/2014	AB AB AB AB	9/17/2014 9/17/2014 9/17/2014 9/16/2014	EH EH EH
3540C/8082A 3540C/8082A 3540C/8082A Client Sample Description	Aroclor-1260 Aroclor-1262 Aroclor-1268  n 11thFL-PCB-SUB-WC-1 Substrate Under Exterio	ND ND ND	2.5 2.5 0.50	mg/Kg mg/Kg mg/Kg	9/15/2014 9/15/2014 9/15/2014 9/5/2014	AB AB AB	9/17/2014 9/17/2014 9/16/2014	EH EH
3540C/8082A 3540C/8082A Client Sample Description	Aroclor-1262 Aroclor-1268  n 11thFL-PCB-SUB-WC-1 Substrate Under Exterio	ND ND	2.5 0.50	mg/Kg mg/Kg	9/15/2014 9/15/2014 9/5/2014	AB AB	9/17/2014 9/16/2014	EH
3540C/8082A  Client Sample Description	Aroclor-1268  n 11thFL-PCB-SUB-WC-1 Substrate Under Exterio	ND	0.50	mg/Kg	9/15/2014 9/5/2014	AB	9/16/2014	
Client Sample Description	n 11thFL-PCB-SUB-WC-1 Substrate Under Exterio	11			9/5/2014			EH
	Substrate Under Exterio		(	Collected:		Lab ID:	0012	
	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analysi
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	9/17/2014	AB	9/18/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	9/17/2014	AB	9/18/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	9/17/2014	AB	9/18/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/17/2014	AB	9/18/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/17/2014	AB	9/18/2014	EH
3540C/8082A	Aroclor-1254	1.4	0.50	mg/Kg	9/17/2014	AB	9/18/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	9/17/2014	AB	9/18/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	9/17/2014	AB	9/18/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	9/17/2014	AB	9/18/2014	EH
Client Sample Descriptio	on 10thFL-PCB-SUB-WC-1 Substrate Under Exterior Caulk 0"			Collected:	9/5/2014 1:40:00 PM	Lab ID:	0014	

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	25	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1221	ND	25	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1232	ND	25	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1242	ND	25	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1248	ND	25	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1254	410	25	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1260	ND	25	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1262	ND	25	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1268	ND	25	mg/Kg	9/16/2014	AB	9/17/2014	EH



200 Route 130 North, Cinnaminson, NJ 08077 (856) 303-2500 / (856) 858-4571 Phone/Fax:

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011404832

CustomerID:

I ah ID:

0015

TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant

**TRC Environmental Corporation** 

1430 Broadway 10th Floor

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Fax:

(212) 221-7840

Received:

09/10/14 9:00 AM

9/5/2014

Analytical Results

		Analytical Ite	Julio
Client Comple Description	10thEL DCD SLID WC 14		Callagtad

Cheft Sample Description	Substrate Under Exterior Win Caulk 1"	dow Frame	,	Joneclea.	2:00:00 PM	Lab ID.	0015	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1254	17	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH

Client Sample Description

10thFL-PCB-SUB-WC-15

Substrate Under Exterior Window Frame Caulk 3"

Collected:

9/5/2014

Lab ID: 0016

2:15:00 PM

Prep Analysis RL Units Analyst Date Analyst Method Parameter Result Date ND 0.49 mg/Kg 9/16/2014 AB 9/17/2014 EΗ 3540C/8082A Aroclor-1016 9/16/2014 AB 9/17/2014 EH 3540C/8082A Aroclor-1221 ND 0.49 mg/Kg ND 0.49 mg/Kg 9/16/2014 AB 9/17/2014 EH 3540C/8082A Aroclor-1232 ND 0.49 mg/Kg 9/16/2014 AB 9/17/2014 EΗ 3540C/8082A Aroclor-1242 ND 9/16/2014 AB 9/17/2014 0.49 mg/Kg EH 3540C/8082A Aroclor-1248 3540C/8082A Aroclor-1254 0.82 0.49 mg/Kg 9/16/2014 AB 9/17/2014 EH AB 3540C/8082A Aroclor-1260 ND 0.49 mg/Kg 9/16/2014 9/17/2014 EΗ AB 9/17/2014 ΕH ND 0.49 mg/Kg 9/16/2014 3540C/8082A Aroclor-1262 ND 0.49 mg/Kg 9/16/2014 AB 9/17/2014 EH 3540C/8082A Aroclor-1268

Client Sample Description

3540C/8082A

9thFL-PCB-SUB-WC-17

Substrate Under Exterior Window Frame

Caulk 0"

Collected:

25 mg/Kg

9/5/2014 2:45:00 PM

9/16/2014

Lab ID: 0018

AB

Prep **Analysis** Method **Parameter** Result RI Units Date Analyst Date Analyst ND 25 mg/Kg 9/16/2014 AB 9/17/2014 EH 3540C/8082A Aroclor-1016 25 mg/Kg 9/16/2014 AB 9/17/2014 3540C/8082A Aroclor-1221 ND EΗ 3540C/8082A Aroclor-1232 ND 25 mg/Kg 9/16/2014 AB 9/17/2014 EH 25 AB 9/17/2014 EΗ ND mg/Kg 9/16/2014 3540C/8082A Aroclor-1242 ND AB 9/17/2014 EΗ 25 mg/Kg 9/16/2014 3540C/8082A Aroclor-1248 9/17/2014 290 25 mg/Kg 9/16/2014 AB EH 3540C/8082A Aroclor-1254 ND mg/Kg 9/16/2014 AB 9/17/2014 EΗ 3540C/8082A Aroclor-1260

ND

EΗ

9/17/2014

Aroclor-1262



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EMSL Order: CustomerID:

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CustomerPO: ProjectID:

Attn: Daren Bryant

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(212) 221-7840

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09/10/14 9:00 AM

**Analytical Results** 

9thFL-PCB-SUB-WC-17 Client Sample Description

Substrate Under Exterior Window Frame

9/5/2014 2:45:00 PM Lab ID: 0018

Caulk 0"

Prep Analysis Parameter Result RL Units Date Analyst Date Analyst Method 9/16/2014 9/17/2014 ND 25 mg/Kg AB EΗ 3540C/8082A Aroclor-1268

Client Sample Description 9thFL-PCB-SUB-WC-18

Substrate Under Exterior Window Frame

Collected: 9/5/2014 3:00:00 PM

Collected:

Lab ID:

0019

Caulk 1"

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1254	21	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH

Client Sample Description

9thFL-PCB-SUB-WC-19

Collected:

9/5/2014

3:10:00 PM

Lab ID: 0020

Substrate Under Exterior Window Frame Caulk 3"

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND 0	.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1221	ND 0	.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1232	ND 0	.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1242	ND 0	.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1248	ND 0	.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1254	2.2 0	.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1260	ND 0	.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1262	ND 0	.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1268	ND 0	.49	mg/Kg	9/16/2014	AB	9/17/2014	EH

#### **Definitions:**

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit

Name:   Project Name and Address:   Project Name   Project	TRC WITH 1854 F	PCB BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM	ND CHA	IN Of	= CNS	TODY	FORM		
9 19 14		1	7/4	Samples	Collected	By arth	Page / Pag		PA
## CE BULK SAMPLE INFORMATION    PCB BULK SAMPLE INFORMATION   Condition   Date   Time      PCB - SUB-LC - 01   SUBSTRATE UNDER GRACKER   SAFFLE   13   35 g   D   0820      PCB - SUB-LC - 02   SUBSTRATE UNDER GRACKER   13   37 g   D   0870      PCB - SUB-LC - 04   SUBSTRATE UNDER GRACKER   13   37 g   D   0870      PCB - SUB-LC - 04   SUBSTRATE UNDER GRACKER   1   3   47 g   D   0870      PCB - SUB-LC - 04   SUBSTRATE UNDER GRACKER   1   3   47 g   D   0870      PCB - SUB-LC - 05   SUBSTRATE UNDER GRACKER   D   0870      PCB - SUB-LC - 06   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 06   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 07   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 07   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 07   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 07   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 07   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 07   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 08   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 08   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 08   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 08   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 08   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 08   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 08   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 08   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 08   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 08   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 08   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 08   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 08   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 08   SUBSTRATE UNDER GRACKER   D   D   D   D      PCB - SUB-LC - 08   SUB-LC - 08   SUB-LC   D   D   D   D      PCB - SUB-LC - 08   SUB-L		1		Project N	Aanager:	0			8600
# - E B. D. No.   Nother hall Name Observed   Location   Prov   Quantity   Condition   Date   Time    # - E B. D. No.   SUBSTRATE UNDER EXPRISED   35 % D   OR 10    # - E B. D. No.   SUBSTRATE UNDER EXPRISED   13   55 % D   OR 10    # - P. B S. D S. D. D. D. D. D. D. D. D. D. S. D. S. D. S. D.		PCB BULK SAMPLE INF	ORMATION						11
4 - E RAAN K E EU 1045N T RAPAK ON STAFLED		Material Name/Use	77		Quantity L & W)	Condition G/D/SD	Date	Time	Photo ID No.
PER - 548 - b.C. 01   SUBSTRATE UNDER GRERIOG   SAFFLLD   13   35 \( \varphi \)	liu	Fred	I	I	1	1	1	0800	L
### CANONING PLATE CALLE OF 13 412 D	1	CADER	SAFFUL	13	356	9		0870	
レードス - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -		FRAME CAUK	5 H &						
PCB - 5\text{18} - WC - 07   S\text{18} \text{17} \text{CAPLE}	377 FURER -540-146-02	AT WISCH		13	314	0		0840	
レードスターSVBーレムーのイ SVBSTRAME UNDER EXTERIOR 13 54 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		FRAME CAUCK	-						
2- PLG - SUB - UL - OY SUBSIGNTE WASK EXTREMY	-++	UNJER EXTER		13	246	0		0805	
2- PLB - 5UB - UC - OY SUBSTANE WASCR EXTREMAL  2- PLB - 5UB - UC - OS SUBSTANE WASCR EXTREMAL  2- PLB - 5UB - UC - OS SUBSTANE WASCR EXTREMAL  2- PLB - 5UB - UC - OS SUBSTANE WASCR EXTREMAL  2- PLB - 5UB - UC - OS SUBSTANE WASCR EXTREMAL  2- PLB - 5UB - UC - OS SUBSTANE WASCR EXTREMAL  2- PLB - 5UB - UC - OS SUBSTANE WASCR EXTREMAL  2- PLB - 5UB - UC - OS SUBSTANE WASCR EXTREMAL  2- PLB - 5UB - UC - OS SUBSTANE WASCR EXTREMAL  2- PLB - 5UB - UC - OS SUBSTANE WASCR EXTREMAL  2- PLB - 5UB - UC - OS SUBSTANE WASCR EXTREMAL  3- PLB - SUBSTANE		FRAME CAULK							
2- PLB - SUB - MC - OS SUBSTRATE (MDER EXTREMOL	- per-508-6c-	MASK		13	364	9		0250	
## 1902 Flague CAULY O"  ### 1902 Flague CAULY O"  ### 1002 Flague CAULY O"  ### 1002 Flague CAULY O"  ### 1003 Flague CAULY O"  ### 1004 Flague CAULY O"  ####  1004 Flague CAULY O"  ##### 1004 Flague CAULY O"  ####  1004 Flague CAULY O"  #### 1004 Flague CAULY O"  #### 1004 Flague CAU		FRAME CAULK 6			2				
12-PCB-5UB-4W-06 SUBSTLATE WINDER EXTERIOR 12 43c D  12-PCB-5UB-WC-07 SUBSTLATE WINDER CAVULK 1" 12 43c D  12-PCB-5UB-WC-07 SUBSTLATE WINDER CAVULK 3" 1" 4 12 40c D  12-PCB-5UB-WC-07 SUBSTLATE WINDER CAVULK 3" 1" 4 12 40c D  12-PCB-5UB-WC-07 SUBSTLATE WINDER CAVULK 3" 1" 4 12 40c D  12-PCB-5UB-WC-07 SUBSTLATE WINDER CAVULK 3" 1" 4 12 40c D  13-PCB-18-WC-07 SUBSTLATE WINDER CAVULK 3" 1" 4 12 40c D  14-PCB-5UB-WC-07 SUBJUAR CAVULK 3" 1" 4 12 40c D  15-PCB-5UB-WC-07 SUBJUAR CAVULK 3" 1" 4 12 40c D  16-PCB-5UB-WC-07 SUBJUAR CAVULK 3" 1" 4 12 40c D  16-PCB-5UB-WC-07 SUBJUAR CAVULK 3" 1" 4 12 40c D  16-PCB-5UB-WC-07 SUBJUAR CAVULK 3" 1" 4 12 40c D  16-PCB-5UB-WC-07 SUBJUAR CAVULK 3" 1" 4 12 40c D  17-PCB-5UB-WC-07 SUBJUAR CAVULK 3" 1" 4 12 40c D  18-PCB-5UB-WC-07 SUBJUAR CAVULK 3" 1" 4 12 40c D  18-PCB-5UB-WC-07 SUBJUAR CAVULK 4" 1" 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PLB-5UB-46-	UNDER EXTERIOR		77	30%	0		000/	
The part of the substitute of substitute o		FAMME CAULIS O							
LINDOLY FLAME CAULK I''  PLEASE FROM IN LANGER GRERING  INTRODUCTOR IN LANGER GRERING  INTRODUCTOR INTRODUCTOR I''  PLEASE FROM INTRODUCTOR INTERPRED INTERP	1CB-5UB-WC-	SUBSTRATE UNDER			435	0		10.85	÷1.
12. PCB - 5UB - 4UC - 07 SUBSTRATE UNDER EXTERICA 12. 404 0 12. 40		FRAME CAVUK						- 1	LI
166756 470 LJ ANACYSIS PENJING MC DIRECTION OF SIXIY  166756 470 LJ ANACYSIS PENJING MC DIRECTION OF SIXIY  17676 50 Domaged, SD-Significantly Damaged Create One 41 Composite scample of entit inomogeneous material from equal nuts portions (4.5%) of the character of the composite scample of entit inomogeneous material from equal nuts sportions (4.5%) of the character of the composite scample of entit inomogeneous material from equal nuts sportions (4.5%) of the character of the composite scample of entitle following Arochlors: 1016, 1231, 1232, 1242, 1246, 1255  CHAIN OF CUSTODY INFORMATION AND LABORATORY INFORMATION  Ned By:  Analytical Method:  Analytical Method:  Control of Significantly Date	- PCT - 5UB - WC- 0	7 SUBSTRATE UNDER EXTERIO	1		405	0			1
1. Special Instruction to Laboratory: GARSALH LGS — LO Confos (TES Significantly Damaged, SD-Significantly Specificantly Specificantly Significantly Specificantly Specifica		FRAME CAVLK 3	>				1		P.
D-Damaged, SD-Significantly Damaged  Create Draw Charles and Create Draw Control of Control of Create Draw Control of Create Draw Control of Create Draw Charles and Control of Create Draw Charles Create Draw CHAIN OF CUSTODY INFORMATION AND LABORATORY INFORMATION  CHAIN OF CUSTOMY INFORMATION AND LABORATORY INFORMATION	PLEASE HOLD	PENDING MC	COLON	0	1/8/14			ः भा ५	20 .
CHAINED BLYAND Date VICTOR BY JOHN 918 VICTOR BY JOHN 918 VICTOR BY JOHN 918 VICTOR BY JOHN 918  FETT Solution S 4082			THPLES —	A Co	TO SOLVE	ST CEC 100	5/8/14 13 of the three	25 (E)	- in
AALEN 32. Yeard 13me Received by:  NALEN 32. Yeard 15 00 VAF TOR. POR 10 110 1300 Field  VICTOR BY SOUND GIESTLE 1790 VIRTURATION GIESTLE TO		CHAIN OF CUSTODY INFORMATION AND L	ABORATORY	INFORM	ATION				П
VICTOR BY JOHN 918 In 179 O 18 114 179 O 18	REN	11me Received By:	Mondal E	176		rethod Of Subrield	nittai		П
Analytical Method: Tab Comments; Qly Dall Hill M MC Analyzed By:	W. 11. 100 001 11.11	CARONION CELI 13/6	sto como	7	ğ	Valk In		١	
Fethe solotions and EPA Method 8082	200	08//4//01/	#40 9110	1111 9	DO445 0	thers			П
EPA Method 8082			Zaky piac	IM	70	nalyzed By:	Date &	lime:	
1	,	thed 8082 Plant instructions box	mala lar	Jahr II	(a)	ign;			

Client Name:  NYU  3 PD J47 Sheer BROKLY,  Date:  Requested Turnaround Time:  Reputer Turnaround Time:  Reputer Turnaround Time:  Requested Turnaround Time:  Reputer Turnaround Time:  Reputer Turnaround Time:  Reputer Turnaround Time:  Requested Turnarou	PCB BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM	AINO	P CUS	STODY	FORM		
Date: 9/8/14 Standard   Lundow Family Standard   Lundow   Material Name/Usa   DTMFL-PLB-SUB-WL-09   SUBSTRATE   LUNDOW FAMILY   LUNDOW FAMILY   SUBSTRATE   LUNDOW FAMILY   LUNDOW	Blokery NY	Sample	ples Collected By C. 化しん 医シー	ByO. Fut,	Samples Collected By O. MLLLOW Page:	of of	m
Bulk Sample ID No. Room Material Name/Use    DTMFU-PCB-SUB-WC-08 SUBSTRATE   ITMFU-PCB-SUB-WC-09 SUBSTRATE   ITMFU-PCB-SUB-WC-10 SUBSTRATE   WWDOW FA	1	Project	Project Manager:		Project Number	lumber: 7, αωο	
Bulk Sample ID No.    DAMFL - PLB - SUB - W.C O8 SUBSTRATE UNDER     1777FL - PCB - SUB - W.C O9 SUBSTRATE UNDER     1777FL - PCB - SUB - W.C 10 SUBSTRATE UNDER     WWDOWN FRAME CAULTINE - PCB - SUB - W.C 11 SUBSTRATE UNDER     WWDOWN FRAME CAULTINE - PCB - SUB - W.C 11 SUBSTRATE UNDER     WWDOWN FRAME CAULTINE - PCB - SUB - W.C 11 SUBSTRATE UNDER     WWDOWN FRAME CAUCTINE - PCB - SUB - W.C 11 SUBSTRATE UNDER     WWDOWN FRAME CAUCTINE - PCB - SUB - W.C 11 SUBSTRATE UNDER     WWDOWN FRAME CAUCTINE - PCB - SUB - W.C 11 SUBSTRATE UNDER     WWDOWN FRAME CAUCTINE - PCB - SUB - W.C 11 SUBSTRATE UNDER     WWDOWN FRAME CAUCTINE - PCB - SUB - W.C 11 SUBSTRATE UNDER     WWDOWN FRAME CAUCTINE - PCB - SUB - SUB - W.C PCB - SUB - SUB - W.C PCB - W.C PCB - SUB - W.C PCB - SUB - W.C PCB	PCB BULK SAMPLE INFORMATION			1			
177752-9CB-5CB-WC-08 SUBSTRATE UNDER 1177752-9CB-5CB-WC-09 SUBSTRATE UNDER LIMBOW FRAME CA- 1177752-9CB-5CB-WC-10 SUBSTRATE UNDER WWDOW FRAME CA- 1177752-9CB-5CB-WC-11 SUBSTRATE UNDER	Location	Floor	Quantity (L & W)	Condition G/D/SD	Date	Time	Photo ID No.
-PCB-SUB-LUC-10 SUBSTRATE UNDER LIMBOLD FRAME CA: -PCB-SUB-LUC-10 SUBSTRATE UNDER WWDOWN FRAME CA: -PCB-SUB-WC-11 SUBSTRATE UNDER	Extract suffered	7	386	9	hllsp	1040	
-pcB-SUB-Luc-10 SUBSTRATE UNDER WWDOWN FRAME CAU -PCB-SUB-WC-11 SUBSTRATE UNDER	EXTERIOR	11	256	0		0//	
-PCB-SVB-WC-11 SVBSTRATE UNDER	ULK O" EXTERIOR	11	410	0		1115	
Linker Fair Ca	110	1	0			6211	
21/20	3"		10			201	Eri
RATE UNSER	12	11	475	0		1 1	باز
WINDOW FRAME C	1,9	-		_			1: I
101711-1-17CB-3UB-MC-15 SUBSTITUTE WASER CXTERIOR	CAULTE	2	276	9		P	.1 -
LATE UNDER	EXTERIOR	2/	The	0		2	
WANDOW FRAME CHULK	/11		<b>b</b>		>	25	
& PLEASE HOLD SAMPLES PENDING THE DIN	DIRECTION (B)	41/8/6					
Condition:  Composite A, B, C samples.  Good, D-Damaged, SD-Significantly Damaged  Composite A, B, C samples.  Create one (1) contposite sumple of extraction and analysis via EPA Method 8082 for the following Arochlors: 1016, 1221, 1232, 1242, 1254, 1260.	ALAF SAMES O of euch homogeneous ma Method 8082 for the follo	ルピャー/ uerlut from wing Arock	CO COL, request mass Hors: 1016,	005 (TE3 ( portions ( <u>15</u> 1221, 1232, 1	(SE) 9 (Kr) (4 242, 1248, 123	e (3) subsamples for 54, 1260.	tples-for
Relinquished By:  Relinquished By:  1. (Print): 1912 10 10 10 10 10 10 10 10 10 10 10 10 10	By: Date Date  By: Date  To R Post Completing  AS ASSESSED.	Date 1	Time 17 Co	Method Of Submittal Field Walk In	mittal	Ш	Ш
Analytical Method:    Analytical Method:	10 to	2 11/911	3	Others Analyzed By: Print Name: Sign:	Date & Time:	Time:	

3

@TRC 011404832	-	PCB BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM	TA AND CH	HAIN C	JF CUS	STODY	FORM	_	
Client Name:	Proj	Project Name and Address:	BROKLYN NY	Samp O. A	Samples Collected By O. HARICOU / Y.	1By Y. KLIMENKO	Page:	e: of	m
Date: 9/8/14	Red	ound Time: /	1	Proje	76	70	8 -	g	9099
		PCB BULK SAMPLE INFORMATION	LE INFORMATIC	NO					
Bulk Sample ID No.	Коот	Material Name/Use	Location	Floor	Quantity (L & W)	Condition G/D/SD	Date	Time	Photo ID No.
Ш	,		CORFFIU		12	<		1111	
10THPC-PUB-508-W	5/-	SUBSTRATE UNIVER EXTELICA		2/	205	9	11/5/14	1413	
		WINDOW FRANF CAUCK	3 "				-		
10THFL-PCB-SUB-WC	9/-7	SUBSTRATE UNSER EXA	EXTERIOR	0/	385	0		1430	
		WINDOW FRANC CAUCK	1,9				1		
GAHEL-PLB-SUB-WC	11-1	SUBSTRATE UNDER EXTE	EXTERIOR	0	365	0		Shhl	
		FALLIC CHULK	0 ,, 0		3				
974FL-PCB-5UB-WC	81-2	T UNDER EXTER	8	0	319	9		ms/	
		AVIK	1 11		þ			201	EF
977FL -PCB -5VB-	7-502-We-19	SUBSTRATE UNE	76/06	a	222	9		S. 230	SŁ
18		ANC CA	3,1					P.	.4:
97HFL-PCB-518-	Wc-20	SUBSTAA	2/04	6	335	Q		PO25F	id ly
		6	6" \				>	r PI	
								5	
								25	
& PLEASE HOLD	ed AMA	7515 PENDING MC	DIRECTION	(A) 74	11/14				
Condition:		Special Instruction to Laboratory:	Shirt samples	- 4710	NO CON	Confessing (	B FILLY		
G-Good, D-Damaged, SD-Significantly Damaged	untly Damaged	Create one (1) composite sample of each homogeneous material from equal mass portions extraction and analysis via EPA Method 8082 for the following Arochiors: 1016, 1221, 123	euch Homogeneous n	naterial fron	n equal mass	partions (± 5:	1. 1242, 1248, 125	e (3) subsamples for 54, 1260.	ples for
		CUSTODY INF	NAND LABORATO	RY INFOR	MATION				
shed By:		Date Time Received By:		Date	Time	Method Of Submittal	nittal		
1. (Print): NAREN ZLAN	ľ	8/8/14 15 cm /10.70R	21 /2 18 CHW 0 Fred	-	1	Field			
1000	7	0.00	0.5		1000	Walk in			
(Sign):	O NA OC LOS	07.//01/01/	The Local	0/14/16	O. Marie	Others			
Grail .	Analytical Method:	Method: Xab Comfinction		1.12	. Const	Analyzed By:	Date & Time:	Time:	
arrange resolutions and	-	EPA Method 8082 * See special instructions box			1	Sign:			



200 Route 130 North, Cinnaminson, NJ 08077

Phone: (858) 303-2500 Fax: (858) 858-4571 Email: EnvChemistry2@emsl.com

Attn:

Daren Bryant TRC Environmental Corporation 1430 Broadway 10th Floor New York, NY 10018

Phone: (212) 221-7822 Fax: (212) 221-7840

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 9/11/2014. The results are tabulated on the attached data pages for the following client designated project:

221253.0000.0000 / 370 Jay Street, Brooklyn NY

The reference number for these samples is EMSL Order #011404885. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Reviewed and Approved By:

Julie Smith - Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.

NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

9/18/2014



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EMSL Order: CustomerID:

011404885

TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant

**TRC Environmental Corporation** 

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Project: 221253.0000.0000 / 370 Jay Street, Brooklyn NY

Phone:

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Received:

09/11/14 9:30 AM

**Analytical Results** 

8THFL-PCB-SUB-WC-01 Client Sample Description

Substrate Under Exterior Window Frame

Collected:

9/8/2014

8:15:00 AM

Lab ID: 0001

	Caulk 1"							
Method	Parameter	Result R	L Un	its	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND 0.5	0 mg	/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1221	ND 0.5	0 mg	/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1232	ND 0.5	0 mg	ı/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1242	ND 0.5	i0 mg	ı/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1248	ND 0.8	0 mg	ı/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1254	20 0.5	0 mg	ı/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1260	ND 0.8	0 mg	ı/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1262	ND 0.5	0 mg	ı/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1268	ND 0.8	50 mg	ı/Kg	9/16/2014	AB	9/17/2014	EH

Client Sample Description

8THFL-PCB-SUB-WC-02

Substrate Under Exterior Window Frame Caulk 3"

Collected:

9/8/2014

Lab ID: 0002

8:30:00 AM

Prep **Analysis** Parameter RL Units Date Analyst Date Analyst Result Method 9/16/2014 AB 9/17/2014 EH ND 0.50 mg/Kg Aroclor-1016 3540C/8082A 0.50 mg/Kg ND 9/16/2014 AB 9/17/2014 EΗ Aroclor-1221 3540C/8082A ND 9/16/2014 AB 9/17/2014 EH 0.50 mg/Kg 3540C/8082A Aroclor-1232 9/17/2014 ND 0.50 mg/Kg 9/16/2014 AB EH Aroclor-1242 3540C/8082A ND 9/16/2014 AB 9/17/2014 EH 0.50 mg/Kg 3540C/8082A Aroclor-1248 0.80 0.50 mg/Kg 9/16/2014 AB 9/17/2014 EΗ Aroclor-1254 3540C/8082A ND 0.50 mg/Kg 9/16/2014 AB 9/17/2014 EH 3540C/8082A Aroclor-1260 9/17/2014 EH ND 0.50 mg/Kg 9/16/2014 AB 3540C/8082A Aroclor-1262 9/16/2014 AB 9/17/2014 EΗ Aroclor-1268 ND 0.50 mg/Kg 3540C/8082A

Client Sample Description

9/8/14-EBLANK

Equipment Blank

Collected:

9/8/2014

Lab ID: 0004

7:45:00 AM

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3580A/8082	Aroclor-1016	ND	0.50	mg/Kg	9/16/2014	CF	9/18/2014	EH
3580A/8082	Aroclor-1221	ND	0.50	mg/Kg	9/16/2014	CF	9/18/2014	EH
3580A/8082	Aroclor-1232	ND	0.50	mg/Kg	9/16/2014	CF	9/18/2014	EH
3580A/8082	Aroclor-1242	ND	0.50	mg/Kg	9/16/2014	CF	9/18/2014	EH
3580A/8082	Aroclor-1248	ND	0.50	mg/Kg	9/16/2014	CF	9/18/2014	EH
3580A/8082	Aroclor-1254	ND	0.50	mg/Kg	9/16/2014	CF	9/18/2014	EH
3580A/8082	Aroclor-1260	ND	0.50	mg/Kg	9/16/2014	CF	9/18/2014	EH
3580A/8082	Aroclor-1262	ND	0.50	mg/Kg	9/16/2014	CF	9/18/2014	EH
3580A/8082	Aroclor-1268	ND	0.50	mg/Kg	9/16/2014	CF	9/18/2014	EH



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http://www.EMSL.com EnvChemistry2@emsl.com EMSL Order:

011404885

CustomerID:

Lab ID:

0005

TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant

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Received:

09/11/14 9:30 AM

**Analytical Results** 

Client Sample Description 9/8/2014 8THFL-PCB-SUB-WC-04 Collected: 9:30:00 AM

Substrate Under Exterior Window Frame

	Caulk 1"							
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1221	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1232	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1242	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1248	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1254	19	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1260	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1262	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1268	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH

Client Sample Description

8THFL-PCB-SUB-WC-05

Substrate Under Exterior Window Frame Caulk 3"

Collected:

9/8/2014 9:45:00 AM Lab ID:

0006

				Prep		Analysis	
Method	Parameter	Result RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND 0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1221	ND 0.56	) mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1232	ND 0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1242	ND 0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1248	ND 0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1254	0.80 0.50	) mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1260	ND 0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1262	ND 0.56	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1268	ND 0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH

Client Sample Description

4THFL-PCB-SUB-WC-07

Substrate Under Exterior Window Frame

Collected:

9/8/2014

Lab ID: 0008

10:30:00 AM

Method	Parameter	Result I	RL U	Inits	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND 0.	50 m	ng/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1221	ND 0.	50 m	ng/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1232	ND 0.	50 m	ng/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1242	ND 0.	50 m	ng/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1248	ND 0.	50 m	ng/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1254	7.2 0.	50 m	ng/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1260	ND 0.	50 m	ng/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1262	ND 0.	50 m	ng/Kg	9/16/2014	AB	9/17/2014	EH



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CustomerPO: ProjectID:

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**TRC Environmental Corporation** 

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Received:

09/11/14 9:30 AM

**Analytical Results** 

4THFL-PCB-SUB-WC-07 Client Sample Description

Substrate Under Exterior Window Frame

Caulk 1"

Collected: 9/8/2014 Lab ID: 0008

10:30:00 AM

Analysis Prep Parameter Result RL Units Date Analyst Date Analyst Method ND 9/16/2014 9/17/2014 0.50 mg/Kg AB EΗ 3540C/8082A Aroclor-1268

Client Sample Description

4THFL-PCB-SUB-WC-08

Substrate Under Exterior Window Frame

Collected:

9/8/2014 Lab ID:

0009

10:45:00 AM

Caulk 3"

Method	Parameter	Result	RL	Units	Prep Date	Anaiyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016		0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1221			mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1254	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH

Client Sample Description

4THFL-PCB-SUB-WC-10

Substrate Under Exterior Window Frame Caulk 1"

Collected:

9/8/2014

11:15:00 AM

Lab ID: 0011

Prep Analysis **RL Units** Date Analyst Date Analyst Parameter Result Method ND 0.50 mg/Kg 9/16/2014 AB 9/17/2014 EH 3540C/8082A Aroclor-1016 Aroclor-1221 ND 0.50 mg/Kg 9/16/2014 AB 9/17/2014 EΗ 3540C/8082A AB 9/17/2014 EH ND 0.50 mg/Kg 9/16/2014 3540C/8082A Aroclor-1232 9/17/2014 9/16/2014 AB ΕH 3540C/8082A Aroclor-1242 ND 0.50 mg/Kg ND 0.50 mg/Kg 9/16/2014 AB 9/17/2014 EΗ 3540C/8082A Aroclor-1248 9/16/2014 AB 9/18/2014 41 2.5 mg/Kg EH 3540C/8082A Aroclor-1254 3540C/8082A Aroclor-1260 ND 2.5 mg/Kg 9/16/2014 AB 9/18/2014 EH 9/16/2014 9/18/2014 EΗ ND 2.5 mg/Kg AB 3540C/8082A Aroclor-1262 ND 9/16/2014 AB 9/17/2014 EH 0.50 mg/Kg 3540C/8082A Aroclor-1268

Client Sample Description

4THFL-PCB-SUB-WC-11

Substrate Under Exterior Window Frame Caulk 3"

Collected:

9/8/2014

Lab ID:

11:30:00 AM

Analysis Prep Method Parameter Result RL Units Date Analyst Date Analyst ND AB 9/17/2014 ΕH 9/16/2014 3540C/8082A Aroclor-1016 0.50 mg/Kg ND 0.50 mg/Kg 9/16/2014 AB 9/17/2014 EΗ 3540C/8082A Aroclor-1221 ND 0.50 mg/Kg 9/16/2014 AB 9/17/2014 EH 3540C/8082A Aroclor-1232



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EMSL Order: CustomerID:

011404885 TRCE51

CustomerPO: ProjectID:

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Project: 221253.0000.0000 / 370 Jay Street, Brooklyn NY

New York, NY 10018

Phone: Fax:

(212) 221-7822 (212) 221-7840

09/11/14 9:30 AM Received:

**Analytical Results** 

Client Sample Descrip	tion 4THFL-PCB-SUB-WC Substrate Under Exte Caulk 3"		C	Collected:	9/8/2014 11:30:00 AM	Lab ID:	0012	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1254	1.1	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
					011010011	4.5	0/47/0044	

ND 0.50 mg/Kg 9/16/2014 AB 9/17/2014 EΗ 3540C/8082A Aroclor-1260 EΗ 9/17/2014 ND 0.50 mg/Kg 9/16/2014 AB Aroclor-1262 3540C/8082A 9/16/2014 AB 9/17/2014 ΕH ND 0.50 mg/Kg Aroclor-1268 3540C/8082A 3RDFL-PCB-SUB-WC-13 Collected: 0014

Client Sample Description Substrate Under Exterior Window Frame

Caulk 1"

9/8/2014 Lab ID:

1:15:00 PM

Prep **Analysis** Date Analyst Analyst Result RLUnits Date Method Parameter 9/16/2014 AB 9/17/2014 EH ND 0.50 mg/Kg Aroclor-1016 3540C/8082A mg/Kg 9/16/2014 AB 9/17/2014 EΗ ND 0.50 3540C/8082A Aroclor-1221 EH 9/16/2014 AB 9/17/2014 ND 0.50 mg/Kg Aroclor-1232 3540C/8082A ND 0.50 mg/Kg 9/16/2014 AB 9/17/2014 EH 3540C/8082A Aroclor-1242 AB 9/17/2014 EH 9/16/2014 ND 0.50 mg/Kg Aroclor-1248 3540C/8082A 9/17/2014 EΗ 9/16/2014 AB 0.61 0.50 mg/Kg Aroclor-1254 3540C/8082A ND 0.50 mg/Kg 9/16/2014 AB 9/17/2014 EΗ Aroclor-1260 3540C/8082A EΗ 0.50 mg/Kg 9/16/2014 AB 9/17/2014 ND 3540C/8082A Aroclor-1262 AB 9/17/2014 EH 9/16/2014 ND 0.50 mg/Kg Aroclor-1268 3540C/8082A

Client Sample Description 3RDFL-PCB-SUB-WC-14

Substrate Under Exterior Window Frame

Caulk 3"

Collected:

9/8/2014

Lab ID: 0015

1:30:00 PM

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1221	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1232	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1242	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1248	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1254	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1260	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1262	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1268	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH
00 100. TTOM/ (								



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TRCE51

CustomerPO: ProjectID:

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Project: 221253.0000.0000 / 370 Jay Street, Brooklyn NY

Phone:

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Fax:

(212) 221-7840

Received:

09/11/14 9:30 AM

	Anal	lvtical	Results
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Client Sample Description	3RDFL-PCB-SUB-WC-16 Substrate Under Exterior Wind Caulk 1"	ow Frame	(	Collected:	9/8/2014 2:00:00 PM	Lab ID:	0017	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1254	17	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
Client Sample Description	n 3RDFL-PCB-SUB-WC-17 Substrate Under Exterior Wind	ow Frame	(	Collected:	9/8/2014 2:15:00 PM	Lab ID:	0018	

Caulk 3"

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1221	ND		mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1254	0.88	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH

Client Sample Description

2NDFL-PCB-SUB-WC-19

Substrate Under Exterior Window Frame Caulk 1"

Collected:

9/8/2014

Lab ID: 0020

3:15:00 PM

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1254	7.5	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH



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EnvChemistry2@emsl.com

EMSL Order: CustomerID:

ProjectID:

011404885

TRCE51

CustomerID: TRCE
CustomerPO:

Attn: Daren Bryant
TRC Environmental Corporation
1430 Broadway
10th Floor
New York, NY 10018

Phone: Fax: (212) 221-7822 (212) 221-7840

Received:

09/11/14 9:30 AM

Project: 221253.0000.0000 / 370 Jay Street, Brooklyn NY

**Analytical Results** 

		Analytical R						
Client Sample Description	2NDFL-PCB-SUB-WC- Substrate Under Exterior		(	Collected:	9/8/2014 3:15:00 PM	Lab ID:	0020	
	Caulk 1"	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analys
<b>Method</b> 3540C/8082A	Aroclor-1268	ND		mg/Kg	9/16/2014	Allalyst	9/17/2014	EH
Client Sample Description		20		Collected:	9/8/2014 3:30:00 PM	Lab ID:	0021	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analys
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1254	0.64	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	9/16/2014	AB	9/17/2014	EH
Client Sample Description	2NDFL-PCB-SUB-WC- Substrate Under Exterior		(	Collected:	9/8/2014 4:00:00 PM	Lab ID:	0023	
	Caulk 1"				1.00.00 1 10			
Method	Caulk 1"  Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analys
<b>Method</b> 3540C/8082A			<i>RL</i> 0.50	<i>Units</i> mg/Kg	Prep	<b>Analyst</b> AB		Analy: EH
	Parameter	Result	0.50		Prep Date	•	Date	-
3540C/8082A	Parameter Aroclor-1016	<i>Result</i> ND	0.50	mg/Kg mg/Kg	<b>Prep Date</b> 9/16/2014	AB	<b>Date</b> 9/17/2014	EH
3 <mark>540C/8082A</mark> 3540C/8082A	Parameter Aroclor-1016 Aroclor-1221	Result ND ND	0.50 0.50	mg/Kg mg/Kg	Prep Date 9/16/2014 9/16/2014	AB AB	9/17/2014 9/17/2014	EH EH
3540C/8082A 3540C/8082A 3540C/8082A	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232	Result ND ND ND ND	0.50 0.50 0.50	mg/Kg mg/Kg mg/Kg mg/Kg	Prep Date 9/16/2014 9/16/2014 9/16/2014	AB AB AB	9/17/2014 9/17/2014 9/17/2014	EH EH EH
3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242	Result ND ND ND ND ND	0.50 0.50 0.50 0.50	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	Prep Date 9/16/2014 9/16/2014 9/16/2014 9/16/2014	AB AB AB AB	9/17/2014 9/17/2014 9/17/2014 9/17/2014	EH EH EH EH
3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248	Result ND ND ND ND ND ND	0.50 0.50 0.50 0.50 0.50	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	Prep Date 9/16/2014 9/16/2014 9/16/2014 9/16/2014	AB AB AB AB AB	9/17/2014 9/17/2014 9/17/2014 9/17/2014 9/17/2014	EH EH EH EH EH
3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254	Result  ND  ND  ND  ND  ND  ND  ND	0.50 0.50 0.50 0.50 0.50 0.50	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	Prep Date 9/16/2014 9/16/2014 9/16/2014 9/16/2014 9/16/2014	AB AB AB AB AB	9/17/2014 9/17/2014 9/17/2014 9/17/2014 9/17/2014 9/17/2014	EH EH EH EH EH
3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260	Result  ND  ND  ND  ND  ND  13  ND	0.50 0.50 0.50 0.50 0.50 0.50 0.50	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	Prep Date 9/16/2014 9/16/2014 9/16/2014 9/16/2014 9/16/2014 9/16/2014	AB AB AB AB AB AB AB AB	9/17/2014 9/17/2014 9/17/2014 9/17/2014 9/17/2014 9/17/2014 9/17/2014	EH EH EH EH EH EH
3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268	Result ND	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	Prep Date  9/16/2014  9/16/2014  9/16/2014  9/16/2014  9/16/2014  9/16/2014  9/16/2014	AB	9/17/2014 9/17/2014 9/17/2014 9/17/2014 9/17/2014 9/17/2014 9/17/2014 9/17/2014	EH EH EH EH EH EH
3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A Client Sample Description	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268  2NDFL-PCB-SUB-WC-Substrate Under Exteric Caulk 3"	Result ND ND ND ND ND 13 ND ND ND ND ND OTHER STATES OF WINDOW Frame	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	Prep Date 9/16/2014 9/16/2014 9/16/2014 9/16/2014 9/16/2014 9/16/2014 9/16/2014 9/16/2014 9/16/2014	AB	Date  9/17/2014  9/17/2014  9/17/2014  9/17/2014  9/17/2014  9/17/2014  9/17/2014  9/17/2014  0/17/2014  0/17/2014  Analysis	EH EH EH EH EH EH EH EH
3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A Client Sample Description	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268  2NDFL-PCB-SUB-WC-Substrate Under Exterior Caulk 3"	Result  ND  ND  ND  ND  13  ND  ND  ND  ND  ND  ND  RESUlt	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Collected:	Prep Date  9/16/2014  9/16/2014  9/16/2014  9/16/2014  9/16/2014  9/16/2014  9/16/2014  9/16/2014  9/16/2014  Prep Date	AB	Date  9/17/2014  9/17/2014  9/17/2014  9/17/2014  9/17/2014  9/17/2014  9/17/2014  9/17/2014  0/17/2014  0/17/2014  Analysis	EH EH EH EH EH EH EH EH
3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A 3540C/8082A Client Sample Description	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268  2NDFL-PCB-SUB-WC-Substrate Under Exteric Caulk 3"	Result ND ND ND ND ND 13 ND ND ND ND ND OTHER STATES OF WINDOW Frame	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	Prep Date  9/16/2014  9/16/2014  9/16/2014  9/16/2014  9/16/2014  9/16/2014  9/16/2014  9/16/2014  9/16/2014  9/16/2014  Prep	AB A	9/17/2014 9/17/2014 9/17/2014 9/17/2014 9/17/2014 9/17/2014 9/17/2014 9/17/2014 9/17/2014 0024  Analysis Date	EH EH EH EH EH EH EH EH Analys

ND

0.49 mg/Kg

9/17/2014 EH

9/16/2014

AB

Aroclor-1232

3540C/8082A



200 Route 130 North, Cinnaminson, NJ 08077 (856) 303-2500 / (856) 858-4571

2NDFL-PCB-SUB-WC-23

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Phone:

Collected:

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Fax:

EMSL Order:

CustomerID:

CustomerPO:

Lab ID: 0024

ProjectID:

011404885

TRCE51

Received:

09/11/14 9:30 AM

9/8/2014

Attn: Daren Bryant

**TRC Environmental Corporation** 1430 Broadway

10th Floor

Client Sample Description

New York, NY 10018

Project: 221253.0000.0000 / 370 Jay Street, Brooklyn NY

# **Analytical Results**

	Substrate Under Exte Caulk 3"	Substrate Under Exterior Window Frame Caulk 3"			4:15:00 PM				
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst	
3540C/8082A	Aroclor-1242	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH	
3540C/8082A	Aroclor-1248	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH	
3540C/8082A	Aroclor-1254	0.78	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH	
3540C/8082A	Aroclor-1260	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH	
3540C/8082A	Aroclor-1262	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH	
3540C/8082A	Aroclor-1268	ND	0.49	mg/Kg	9/16/2014	AB	9/17/2014	EH	

# 3540C/8082A **Definitions:**

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit

OrderID: 011404885

We-oy We-oy We-oy We-oy	MANUAL RECEIVED
	PARE IN PARE DISP
	Date & Time:
	Submitti
STOD Condition	Method Of Sul Field Walk In Fed-Ex Others Analyzed By: Print Name: Sign:
NOF CUST  Samples Collected By  Y. K. I. Int. II.  Project Manager:  Rloor Quantity Co  Rloor Quantity Co  4 425  8 425  8 425  8 425  8 425  8 425  8 425  8 425  8 425  8 425  8 425  8 425  8 425  8 425  8 425  8 425  8 425	55 7/12/8, 1 17/10/8 1
Samples C V. KL! V. KL! Project M 8 8 8 8	221, 1232, 134 ORW INFOR Date  1 10114  24/14  1 205
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12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Condition:  G-Good. D-Damaged.  G-Good. D-Good.  G-Good.  G-Good. D-Good.  G-Good.
V	Condition: G-Good.  G-Good.  I. (Print): (Sign): II. (Print): (Sign):  Afraca
Page 1 Of 5 Mr	

Client Name:  WHY  Bath: Standard  Requested Turnerand Time:  Fig. 19 19  Recompleted By  Requested Turnerand Time:  Fig. 19 19 19  Requested Turnerand Time:  Fig. 19 19  Requested Turnerand Time:  Fig. 19 18 18 19 19 19  Fig. 19 18 18 18 18 18 18 18 18 18 18 18 18 18
Significantly Damaged Financial Hine:  Significantly Damaged Figure Challe Stratuce From Floor (L&W)  Fig. PCG - SUB-UC - OF SUBSTRATE UNDER EXERTING TO Quantity  Fig. PCG - SUB-UC - OF SUBSTRATE UNDER EXERTING TO FINANCE CHALLE S''.  FIG. PCG - SUB-UC - OF SUBSTRATE UNDER EXERTING TO FINANCE CHALLE S''.  FIG. PCG - SUB-UC - OF SUBSTRATE UNDER EXERTING TO FINANCE CHALLE S''.  FIG. PCG - SUB-UC - OF SUBSTRATE UNDER EXERTING TO FINANCE CHALLE S''.  FIG. PCG - SUB-UC - OF SUBSTRATE UNDER EXERTING TO FINANCE CHALLE S''.  FIG. PCG - SUB-UC - OF SUBSTRATE UNDER EXERTING TO FINANCE CHALLE S''.  FIG. PCG - SUB-UC - OF SUBSTRATE UNDER EXERTING TO FINANCE CHALLE S''.  FIG. PCG - SUB-UC - OF SUBSTRATE UNDER EXERTING TO FINANCE CHALLE S''.  FIG. PCG - SUB-UC - OF SUBSTRATE UNDER EXERTING TO FINANCE CHALLE S''.  FIG. PCG - SUB-UC - OF SUBSTRATE UNDER EXERTING TO FINANCE CHALLE S''.  FIG. PCG - SUB-UC - OF SUBSTRATE UNDER EXERTING TO FINANCE CHALLE S''.  FIG. PCG - SUB-UC - OF SUBSTRATE UNDER EXERTING TO FINANCE CHALLE S''.  FIG. PCG - SUB-UC - OF SUBSTRATE UNDER EXERTING TO FINANCE CHALLE S''.  FIG. PCG - SUB-UC - OF SUBSTRATE UNDER EXERTING TO FINANCE OF SUBSTRATE OF SUB
Room   Material Name/Use   Location   Floor   Quantity    -513-444
Room   Material Name/Use
-508-WC - 08 SURTRATE UNDER EXPECIAL MEST ROOF 4 389  1-508-WC - 09 SURTRATE UNDER EXPECIAL MEST ROOF 4 5 19  1-508-WC - 10 SURTRATE UNDER EXPERIGE 4 4 4 4 6 5 9  1-508-WC - 10 SURTRATE UNDER EXPERIGE 4 4 6 6 9  1-508-WC - 11 SURTRATE UNDER EXPERIGE 7 16 6 9 9  1-508-WC - 12 SURTRATE UNDER EXPERIGE 7 3 326  13-508-WC - 12 SURTRATE UNDER EXPERIGE 7 3 326  13-508-WC - 12 SURTRATE UNDER EXPERIGE 7 3 326  13-508-WC - 12 SURTRATE UNDER EXPERIES 7 1 6 6 9 9  13-508-WC - 14 SURSTANTE UNDER EXPERIES 7 1 6 6 9 9  13-508-WC - 14 SURSTANTE UNDER EXPERIES 7 1 7 6 0 9 9  13-508-WC - 12 SURTRATE ON OF 1 EXPERIENCE 1016, 1231, 1232, 1234, 1236, 1236  13-508-WC - 10 SURTRATE 1016, 1231, 1232, 1233, 1234, 1236, 1236  13-508-WC - 10 SURTRATE 1016, 1231, 1232, 1233, 1234, 1236  13-508-WC - 10 SURTRATE 1016, 1231, 1232, 1233, 1234, 1236  13-508-WC - 10 SURTRATE 1016, 1231, 1232, 1233, 1234, 1236  13-508-WC - 10 SURTRATE 1016, 1231, 1232, 1234, 1236  13-508-WC - 10 SURTRATE 1016, 1231, 1232, 1234, 1236  13-508-WC - 10 SURTRATE 1016, 1231, 1232, 1234, 1236  13-508-WC - 10 SURTRATE 1016, 1231, 1232, 1234, 1236  13-508-WC - 10 SURTRATE 1016, 1231, 1232, 1232, 1234, 1236  13-508-WC - 10 SURTRATE 1016, 1231, 1232, 1234, 1236  13-508-WC - 10 SURTRATE 1016, 1231, 1232, 1234, 1236  13-508-WC - 10 SURTRATE 1016, 1231, 1232, 1234, 1236  13-508-WC - 10 SURTRATE 1016, 1231, 1232, 1234, 1236  13-508-WC - 10 SURTRATE 1016, 1231
7-518-WC - OP SURGERTY UNDER EXPERIM WES REAL WES REAL WES REAL WESTERN 4 518  1-518-WC - OP SURGERTY UNDER EXPERIM 4 1958  1-518-WC - 10 SURGERTY UNDER EXPERIM 4 1958  1-518-WC - 11 SURGERTY UNDER EXPERIM 6 1958  1-518-WC - 11 SURGERTY UNDER EXPERIM 6 1958  1-518-WC - 12 SURGERTY UNDER EXPERIM 7 3 326  13-518-WC - 14 SUBSTANT UNDER EXPERIM 7 3 326  13-518-WC - 14 SUBSTANT UNDER EXPERIM 7 3 326  13-518-WC - 14 SUBSTANT UNDER EXPERIM 7 3 326  13-518-WC - 14 SUBSTANT UNDER EXPERIM 7 3 326  13-518-WC - 14 SUBSTANT UNDER EXPERIM 7 3 326  13-518-WC - 14 SUBSTANT UNDER EXPERIM 7 3 326  13-518-WC - 14 SUBSTANT UNDER EXPERIM 7 133, 133, 133, 133, 134, 134, 136  13-518-WC - 14 SUBSTANT UNDER EXPERIM NORMATION NORMAT
- PCB - SCB - WC - OP SUBSTRATE UNDER EXTRUME - PCB - SCB - WC - OP SUBSTRATE UNDER EXTRUME - PCB - SCB - WC - IO SUBSTRATE UNDER EXTRUME - PCB - SCB - WC - II SUBSTRATE UNDER EXTRUME - PCB - SCB - WC - II SUBSTRATE UNDER EXTRUME - PCB - SCB - WC - II SUBSTRATE UNDER EXTRUME - PCB - SCB - WC - II SUBSTRATE UNDER EXTRUME - PCB - SCB - WC - II SUBSTRATE UNDER EXTRUME - PCB - SCB - WC - II SUBSTRATE UNDER EXTRUME - PCB - SCB - WC - II SUBSTRATE UNDER EXTRUME - PCB - SCB - WC - III SUBSTRATE UNDER EXTRUME - PCB - SCB - WC - III SCB - MANDER EXTRUME - PCB - SCB - WC - III SCB - MANDER MANDER AND LABORATION AND LABORATI
- PCB - SUB - WC - 09 SUBSTRATE UNDER EXPERING - PCB - SUB - WC - 10 SUBSTRATE UNDER EXPERING - PCB - SUB - WC - 10 SUBSTRATE UNDER EXPERING - PCB - SUB - WC - 11 SUBSTRATE UNDER EXPERING - PCB - SUB - WC - 12 SUBSTRATE UNDER EXPERING - PCB - SUB - WC - 12 SUBSTRATE UNDER EXPERING - PCB - SUB - WC - 12 SUBSTRATE UNDER EXPERING - PCB - SUB - WC - 14 SUBSTRATE UNDER EXPERING - PCB - SUB - WC - 14 SUBSTRATE UNDER EXPERING - PCB - SUB - WC - 14 SUBSTRATE UNDER EXPERING - PCB - SUB - WC - 14 SUBSTRATE UNDER EXPERING - PCB - SUB - WC - 14 SUBSTRATE UNDER EXPERING - PCB - SUB - WC - 14 SUBSTRATE UNDER EXPERING - PCB - SUB - WC - 14 SUBSTRATE UNDER EXPERING - PCB - SUB - WC - 14 SUBSTRATE UNDER EXPERIENCE - PCB - SUB - WC - 14 SUBSTRATE UNDER EXPERIENCE - PCB - SUB - WC - 14 SUB - WC - W
- PCG - SCB - WC - 10 SCREAM CAULK 6"  LINDOL FARME CAULK 1"  LINDOL FARME CAULK 1"  LINDOL FARME CAULK 3"  LINDOL FARME CAULK 5"  LINDOL FARME CAULK 6"  LINDOL FARME CAULK 6"  LINDOL FARME CAULK 8"  LONDOL
- PGG - SUB-LWC-10 SUBSTRATE UNDER EXPERIOR  - PGG - SUR-LWC-11 SUBSTRATE UNDER EXPERIOR  - PGG - SUR-LWC-11 SUBSTRATE UNDER EXPERIOR  - PGG - SUR-LWC-12 SUBSTRATE UNDER EXPERIOR  - PGG - SUBSTRA
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GEN-FM-010-1: Sample Transfer-OneTime

Revision 4.1

Revision Date: 7/29/2013 Effective Date: 8/12/2013

# EMSL Analytical, Inc. Sample Transfer Form

Receiving Lab:	EMSL- MAN	NHATTEN		Phone Number:	2122900051		
				Fax Number:			
Relinquished to:	EMSL- CINN	NAMINSON		Phone Number:	8002203675		10074
				Fax			
	1 1 1 1 1 1	-1-11A11	- J7a - a1 W	Number:	Dv DN-		
Does new Lab hold		idditional accr	editation		Yes No	100	100
EMSL Customer ID # (if known):							
Client Name:		TRC					
Client Project:		370 JAY ST Bk	(				
Date Received:	10	09/10/2014					
Date Relinquished:		09/10/2014				7.75 mg	
Date Due:		1 WEEK					
Special Instructions		PCB					
(e.g. Work Order #,	required						
qualifications, proje	ct specific						
procedures/modific							
Relinquished by (Si	enature):	Date: 9/10	Received by	(Signature)		Date:	14
Relinquished by (Sig	gnature):	Date: 9-10-14	Received by	(Signature)		Date:	N. Evil
Customer Agreeme	nt- Please sign	form and send	to the receiving	ng laboraton	y. By signing below y	ou agree to	permit the
					equivalent qualificat		
					ements are listed in s		
Name (please Print)		Signature		Age	nt of:	Date:	,5
If this is a recurring p			ay require san	aples to be re	elinquished on a regu	lar basis a St	anding

\* Receiving and analyzing labs shall be aware of required qualifications of project prior to transfer of samples.

Note: If customer has been notified and approved this transfer verbally or by e-mail, the receiving lab must sign for the customer above. EMSL employee filling out form on behalf of customer shall print name of person to whom they spoke, date agreement was received and then sign under Signature.

Controlled Document



200 Route 130 North, Cinnaminson, NJ 08077

Phone: (858) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn:

**Daren Bryant TRC Environmental Corporation** 1430 Broadway 10th Floor New York, NY 10018

Phone: (212) 221-7822

Fax:

(212) 221-7840

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 9/9/2014. The results are tabulated on the attached data pages for the following client designated project:

221253.0000.0000

The reference number for these samples is EMSL Order #011404813. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Reviewed and Approved By:

10/27/2014

Julie Smith - Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

Revised Report- Sample -0009 and -0042 analyzed at the client's request- Original Report 9/19/14. Sample -009 and -0042 were analyzed outside of the method hold time.

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.



200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

http://www.EMSL.com EnvChemistry2@emsl.com EMSL Order: CustomerID:

011404813

TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant

TRC Environmental Corporation

1430 Broadway 10th Floor

New York, NY 10018 Project: 221253.0000.0000

Phone:

Fax:

(212) 221-7822

Received:

(212) 221-7840 09/09/14 8:00 AM

**Analytical Results** 

Client Sample Des	scription	8/29/14 - EBlank Equipment Blank			Collected:	8/29/2014	Lab ID:	0001	
Method	P	arameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3580A/8082	Α	roclor-1016	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Α	roclor-1221	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Α	roclor-1232	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Α	roclor-1242	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Α	roclor-1248	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Α	roclor-1254	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Α	roclor-1260	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Α	roclor-1262	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	А	roclor-1268	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL

Client Sample Description

14th FL-PCB-SUB-WC-01

Substrate Under Exterior Window Frame Caulk 0"

8/29/2014 Lab ID: 0002 Collected:

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	9.9	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1221	ND	9.9	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1232	ND	9.9	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1242	ND	9.9	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1248	ND	9.9	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1254	110	9.9	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1260	ND	9.9	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1262	ND	9.9	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1268	ND	9.9	mg/Kg	9/10/2014	AB	9/15/2014	EH

Client Sample Description

14th FL-PCB-SUB-WC-02

Substrate Under Exterior Window Frame Caulk 1"

Collected: 8/29/2014 Lab ID:

	_			Prep		Analysis	
Method	Parameter	Result R	L Unit	s Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND 0.5	i0 mg/k	(g 9/17/2014	AB	9/18/2014	EH
3540C/8082A	Aroclor-1221	ND 0.5	i0 mg/k	(g 9/17/2014	AB	9/18/2014	EH
3540C/8082A	Aroclor-1232	ND 0.8	i0 mg/k	(g 9/17/2014	AB	9/18/2014	EH
3540C/8082A	Aroclor-1242	ND 0.5	i0 mg/k	(g 9/17/2014	AB	9/18/2014	EH
3540C/8082A	Aroclor-1248	ND 0.5	60 mg/k	(g 9/17/2014	AB	9/18/2014	EH
3540C/8082A	Aroclor-1254	5.4 0.5	0 mg/k	(g 9/17/2014	AB	9/18/2014	EH
3540C/8082A	Aroclor-1260	ND 0.5	i0 mg/k	(g 9/17/2014	AB	9/18/2014	EH
3540C/8082A	Aroclor-1262	ND 0.	0 mg/k	(g 9/17/2014	AB	9/18/2014	EH
3540C/8082A	Aroclor-1268	ND 0.8	i0 mg/k	(g 9/17/2014	AB	9/18/2014	EH



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TRCE51

CustomerPO: ProjectID:

Lab ID:

Lab ID:

Lab ID:

0006

0004

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Received:

Collected:

Collected:

Collected:

09/09/14 8:00 AM

8/29/2014

8/29/2014

8/29/2014

**Analytical Results** 

Client Sample Description 14th FL-PCB-SUB-WC-03

Substrate Under Exterior Window Frame

Caulk 3"

Analysis Prep Units Date Analyst Date Analyst Parameter Result RL Method ND 0.49 mg/Kg 9/17/2014 AB 9/18/2014 EH 3540C/8082A Aroclor-1016 9/17/2014 AB 9/18/2014 ΕH ND 0.49 mg/Kg 3540C/8082A Aroclor-1221 ND 0.49 mg/Kg 9/17/2014 AB 9/18/2014 EΗ Aroclor-1232 3540C/8082A 9/17/2014 AB 9/18/2014 EΗ ND 0.49 mg/Kg 3540C/8082A Aroclor-1242 9/17/2014 AB 9/18/2014 EΗ Aroclor-1248 ND 0.49 mg/Kg 3540C/8082A 0.89 0.49 mg/Kg 9/17/2014 AB 9/18/2014 EΗ Aroclor-1254 3540C/8082A 9/18/2014 9/17/2014 AB EΗ ND 0.49 mg/Kg 3540C/8082A Aroclor-1260 9/17/2014 AB 9/18/2014 EΗ 3540C/8082A Aroclor-1262 ND 0.49 mg/Kg ND 0.49 mg/Kg 9/17/2014 AB 9/18/2014 EH Aroclor-1268 3540C/8082A

Client Sample Description

13th FL-PCB-SUB-WC-05

Substrate Under Exterior Window Frame

Caulk 0"

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	25	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1221	ND	25	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1232	ND	25	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1242	ND	25	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1248	ND	25	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1254	340	25	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1260	ND	25	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1262	ND	25	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1268	ND	25	mg/Kg	9/10/2014	AB	9/15/2014	EH

Client Sample Description

13th FL-PCB-SUB-WC-06

Substrate Under Exterior Window Frame

Caulk 1"

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.49	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1221	ND	0.49	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1232	ND	0.49	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1242	ND	0.49	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1248	ND	0.49	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1254	4.7	0.49	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1260	ND	0.49	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1262	ND	0.49	mg/Kg	9/10/2014	AB	9/12/2014	EH



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**Analytical Results** 

13th FL-PCB-SUB-WC-06 Client Sample Description

Collected:

8/29/2014

Lab ID: 0007

Caulk 1"

**Parameter** Method Aroclor-1268 3540C/8082A

Result ND

RL Units 0.49 mg/Kg

Collected:

Collected:

Prep Date 9/10/2014

8/29/2014

8/29/2014

Analysis Date Analyst 9/12/2014 AB

0008

Lab ID:

Lab ID:

0009

Analyst EH

Client Sample Description

13th FL-PCB-SUB-WC-07

Substrate Under Exterior Window Frame

Substrate Under Exterior Window Frame

Caulk 3"

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1254	1.3	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH

Client Sample Description

13th FL-PCB-SUB-WC-08

Substrate Under Exterior Window Frame

Caulk 6"

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND 0	).49	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1221	ND (	).49	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1232	ND (	).49	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1242	ND (	).49	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1248	ND (	).49	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1254	0.65	).49	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1260	ND (	0.49	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1262	ND (	).49	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1268	ND(	).49	mg/Kg	10/21/2014	AB	10/24/2014	EH

Client Sample Description

9/2/14 - EBlank

Collected:

9/2/2014

0010 Lab ID:

Equipment Blank

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Anaiysis Date	Analyst
3580A/8082	Aroclor-1016	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Aroclor-1221	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Aroclor-1232	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL



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Lab ID: 0011

Lab ID:

0012

011404813

TRCE51

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Fax: Received: (212) 221-7840 09/09/14 8:00 AM

d: 09/09/

Collected:

Collected:

9/2/2014

9/2/2014

Client Sample De	escription 9/2/14 - EBlank Equipment Blank		C	Collected:	9/2/2014 Lab ID: 0010			
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3580A/8082	Aroclor-1242	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Aroclor-1248	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Aroclor-1254	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Aroclor-1260	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Aroclor-1262	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Aroclor-1268	ND	0.50	mg/Kg	9/11/2014	JLM	9/12/2014	TL

**Client Sample Description** 

12th FL-PCB-SUB-WC-09

Substrate Under Exterior Window Frame

Caulk 0"

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	25	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1221	ND	25	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1232	ND	25	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1242	ND	25	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1248	ND	25	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1254	350	25	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1260	ND	25	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1262	ND	25	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1268	ND	25	mg/Kg	9/10/2014	AB	9/15/2014	EH

Client Sample Description

12th FL-PCB-SUB-WC-10

Substrate Under Exterior Window Frame

Caulk 1"

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1254	8.4	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH



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Lab ID:

AB

Lab ID:

Lab ID:

0016

9/12/2014

0015

0013

EH

EH

EΗ

EH

EH

EΗ

EΗ

EH

EH

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Collected:

0.50 mg/Kg

Collected:

Collected:

(212) 221-7840

Received:

09/09/14 8:00 AM

9/2/2014

9/10/2014

9/2/2014

9/2/2014

**Analytical Results** 

12th FL-PCB-SUB-WC-11 **Client Sample Description** 

Substrate Under Exterior Window Frame

Caulk 3"

Prep Analysis Analyst Date Analyst Parameter Result RL Units Date Method 9/12/2014 0.50 mg/Kg 9/10/2014 AB ND Aroclor-1016 3540C/8082A 9/10/2014 AB 9/12/2014 ND 0.50 mg/Kg Aroclor-1221 3540C/8082A AB 9/12/2014 ND 0.50 mg/Kg 9/10/2014 3540C/8082A Aroclor-1232 ND 0.50 mg/Kg 9/10/2014 AB 9/12/2014 Aroclor-1242 3540C/8082A 9/12/2014 9/10/2014 AB ND 0.50 mg/Kg 3540C/8082A Aroclor-1248 9/10/2014 AB 9/12/2014 1.1 0.50 mg/Kg 3540C/8082A Aroclor-1254 ND 9/10/2014 AB 9/12/2014 0.50 mg/Kg 3540C/8082A Aroclor-1260 9/10/2014 AB 9/12/2014 ND 0.50 mg/Kg 3540C/8082A Aroclor-1262

ND

Client Sample Description

3540C/8082A

11th FL-PCB-SUB-WC-13

Substrate Under Exterior Window Frame

Caulk 0"

Aroclor-1268

					Prep		Analysis	
Method	Parameter Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	20	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1221	ND	20	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1232	ND	20	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1242	ND	20	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1248	ND	20	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1254	210	20	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1260	ND	20	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1262	ND	20	mg/Kg	9/10/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1268	ND	20	mg/Kg	9/10/2014	AB	9/15/2014	EH

Client Sample Description

11th FL-PCB-SUB-WC-14

Substrate Under Exterior WindowFrame

Caulk 1"

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1254	4.4	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	9/10/2014	AB	9/12/2014	EH



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09/09/14 8:00 AM

**Analytical Results** 

Client Sample Description

11th FL-PCB-SUB-WC-14

Substrate Under Exterior WindowFrame

Caulk 1"

Method Parameter

Result ND

RL Units 0.50 mg/Kg

Collected:

Collected:

Prep Date 9/10/2014

9/2/2014

9/2/2014

Analysis Analyst Date 9/12/2014 AB

0016

0017

Lab ID:

Lab ID:

Analyst EΗ

Client Sample Description

3540C/8082A

11th FL-PCB-SUB-WC-15

Substrate Under Exterior Window Frame

Caulk 3"

Aroclor-1268

Analysis Prep Result RL Units Date Analyst Date Analyst Method Parameter ND 0.50 mg/Kg 9/10/2014 AB 9/12/2014 EH Aroclor-1016 3540C/8082A 9/12/2014 ND 0.50 mg/Kg 9/10/2014 AB EH 3540C/8082A Aroclor-1221 9/12/2014 AB FH 3540C/8082A Aroclor-1232 ND 0.50 mg/Kg 9/10/2014 ND 0.50 mg/Kg 9/10/2014 AB 9/12/2014 EH Arocior-1242 3540C/8082A AB 9/12/2014 EΗ ND 0.50 mg/Kg 9/10/2014 3540C/8082A Aroclor-1248 0.93 0.50 mg/Kg 9/10/2014 AB 9/12/2014 EΗ Aroclor-1254 3540C/8082A 9/12/2014 EH ND 0.50 mg/Kg 9/10/2014 AB Aroclor-1260 3540C/8082A AB 9/12/2014 EΗ ND 9/10/2014 0.50 mg/Kg 3540C/8082A Aroclor-1262 9/12/2014 ND 0.50 mg/Kg 9/10/2014 AB EH 3540C/8082A Aroclor-1268

Client Sample Description

9/3/14 - EBlank Equipment Blank Collected:

Collected:

9/3/2014

9/3/2014

Lab ID:

Lab ID:

0020

0019

**Analysis** Prep Parameter Result RL Units Date Analyst Date Analyst Method 9/12/2014 ND 0.49 mg/Kg 9/11/2014 JLM TL 3580A/8082 Aroclor-1016 ND 0.49 mg/Kg 9/11/2014 JLM 9/12/2014 TL Aroclor-1221 3580A/8082 JLM 9/12/2014 TL ND 0.49 mg/Kg 9/11/2014 Aroclor-1232 3580A/8082 9/12/2014 9/11/2014 JLM ΤI ND 0.49 mg/Kg 3580A/8082 Aroclor-1242 ND 0.49 mg/Kg 9/11/2014 JLM 9/12/2014 TL Aroclor-1248 3580A/8082 ND 0.49 mg/Kg 9/11/2014 JLM 9/12/2014 TL 3580A/8082 Aroclor-1254 JLM ND 0.49 mg/Kg 9/11/2014 9/12/2014 TL Aroclor-1260 3580A/8082 9/11/2014 JLM 9/12/2014 TL ND 0.49 mg/Kg 3580A/8082 Aroclor-1262 9/12/2014 ND 0.49 mg/Kg 9/11/2014 JLM TL 3580A/8082 Aroclor-1268

Client Sample Description

10th FL-PCB-SUB-WC-17

Substrate Under Exterior Window Frame

Caulk 0"

Prep Analysis RL Units Date Analyst Date Analyst Method Parameter Result mg/Kg 9/10/2014 AB 9/15/2014 EH ND 25 Aroclor-1016 3540C/8082A 9/10/2014 AB 9/15/2014 EΗ ND mg/Kg 3540C/8082A Aroclor-1221 ND 25 mg/Kg 9/10/2014 AB 9/15/2014 EH Aroclor-1232 3540C/8082A



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TRCE51

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Lab ID:

Lab ID:

0022

0020

0021

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Received:

Collected:

Collected:

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09/09/14 8:00 AM

9/3/2014

9/3/2014

9/3/2014

**Analytical Results** 

10th FL-PCB-SUB-WC-17 **Client Sample Description** 

Substrate Under Exterior Window Frame

Caulk 0"

Prep Analysis RL Units Date Analyst Parameter Result Date Analyst Method 9/15/2014 ND 25 mg/Kg 9/10/2014 AB EΗ 3540C/8082A Aroclor-1242 9/15/2014 ND 9/10/2014 AB EH 25 mg/Kg 3540C/8082A Aroclor-1248 9/10/2014 AB 9/15/2014 EΗ 280 25 mg/Kg 3540C/8082A Aroclor-1254 ND 25 mg/Kg 9/10/2014 AB 9/15/2014 EΗ Aroclor-1260 3540C/8082A AB EH ND 25 mg/Kg 9/10/2014 9/15/2014 3540C/8082A Aroclor-1262 ND 9/10/2014 AB 9/15/2014 EΗ Aroclor-1268 25 mg/Kg 3540C/8082A

Client Sample Description

10th FL-PCB-SUB-WC-18

Substrate Under Exterior Window Frame

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND 0	.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1221	ND 0	.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1232	ND 0	.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1242	ND 0	.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1248	ND 0	.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1254	7.0 0	.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1260	ND 0	.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1262	ND 0	.50	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1268	ND 0	.50	mg/Kg	9/10/2014	AB	9/12/2014	EH

Client Sample Description

10th FL-PCB-SUB-WC-19

Substrate Under Exterior Window Frame

Caulk 3"

					Prep		Analysis	
Method	Parameter Parame	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.49	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1221	ND	0.49	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1232	ND	0.49	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1242	ND	0.49	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1248	ND	0.49	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1254	0.87	0.49	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1260	ND	0.49	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1262	ND	0.49	mg/Kg	9/10/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1268	ND	0.49	mg/Kg	9/10/2014	AB	9/12/2014	EH



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http://www.EMSL.com

Caulk 0"

EnvChemistry2@emsl.com

EMSL Order: CustomerID: 011404813

TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant
TRC Environmental Corporation
1430 Broadway
10th Floor
New York, NY 10018

Project: 221253.0000.0000

Phone

(212) 221-7822

Fax:

(212) 221-7840

Received:

09/09/14 8:00 AM

Analytical F	≀esults
--------------	---------

Client Sample Description 9th FL-PCB-SUB-WC-21 Collected: 9/3/2014 Lab ID: 0024
Substrate Under Exterior Window Frame

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	25	mg/Kg	9/11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1221	ND	25	mg/Kg	9/11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1232	ND	25	mg/Kg	9/11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1242	ND	25	mg/Kg	9/11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1248	ND	25	mg/Kg	9/11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1254	190	25	mg/Kg	9/11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1260	ND	25	mg/Kg	9/11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1262	ND	25	mg/Kg	9/11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1268	ND	25	mg/Kg	9/11/2014	AB	9/15/2014	EH

Client Sample Description 9th FL-PCB-SUB-WC-22 Collected: 9/3/2014 Lab ID: 0025

Substrate Under Exterior Window Frame Caulk 1"

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
wethod	Farameter	Result	KL	Units	Date	Allalyst	Date	Allalysi
3540C/8082A	Aroclor-1016	ND	0.49	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1221	ND	0.49	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1232	ND	0.49	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1242	ND	0.49	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1248	ND	0.49	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1254	5.7	0.49	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1260	ND	0.49	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1262	ND	0.49	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1268	ND	0.49	mg/Kg	9/11/2014	AB	9/12/2014	EH

Client Sample Description 9th FL-PCB-SUB-WC-23 Collected: 9/3/2014 Lab ID: 0026

Substrate Under Exterior Window Frame Caulk 3"

					Prep		Analysis	
Method	Parameter Parame	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1254	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH



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EnvChemistry2@emsl.com

EMSL Order: CustomerID:

011404813

TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant

**TRC Environmental Corporation** 

1430 Broadway 10th Floor

New York, NY 10018

Project: 221253.0000.0000

Method

3540C/8082A

Phone:

(212) 221-7822

Fax:

(212) 221-7840

Received:

RL Units

0.50 mg/Kg

0.49 mg/Kg

Collected:

Collected:

Collected:

09/09/14 8:00 AM

**Analytical Results** 

Result

ND

Client Sample Description 9th FL-PCB-SUB-WC-23

Substrate Under Exterior Window Frame

Parameter

Aroclor-1268

Caulk 3"

9/3/2014 Collected: Lab ID: 0026

9/4/2014

9/11/2014

9/4/2014

9/4/2014

Prep **Analysis** Date Date Analyst Analyst 9/11/2014 9/12/2014 EH AB

0028

Lab ID:

JLM

Lab ID:

Lab ID:

9/12/2014

0029

TL

**Client Sample Description** 9/4/14 - EBlank

Equipment Blank

	Equipment blank							
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3580A/8082	Aroclor-1016	ND 0	).49	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Aroclor-1221	ND (	).49	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Aroclor-1232	ND (	).49	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Aroclor-1242	ND (	).49	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Aroclor-1248	ND 0	).49	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Aroclor-1254	ND (	).49	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Aroclor-1260	ND (	).49	mg/Kg	9/11/2014	JLM	9/12/2014	TL
3580A/8082	Aroclor-1262	ND 0	).49	mg/Kg	9/11/2014	JLM	9/12/2014	TL

ND

Client Sample Description

3580A/8082

6th FL-PCB-SUB-WC-25

Substrate Under Exterior Window Frame

Caulk 0"

Aroclor-1268

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	50	mg/Kg	9/11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1221	ND	50	mg/Kg	9/11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1232	ND	50	mg/Kg	9/11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1242	ND	50	mg/Kg	9/11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1248	ND	50	mg/Kg	9/11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1254	380	50	mg/Kg	9/11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1260	ND	50	mg/Kg	9/11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1262	ND	50	mg/Kg	9/11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1268	ND	50	mg/Kg	9/11/2014	AB	9/15/2014	EH

Client Sample Description

6th FL-PCB-SUB-WC-26

Substrate Under Exterior Window Frame

Caulk 1"

				Prep				
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH



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EMSL Order: CustomerID: 011404813

TRCE51

CustomerPO: ProjectID:

Lab ID:

Lab ID:

Lab ID: 0033

0030

0031

Analysis

Attn: Daren Bryant
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Phone:

(212) 221-7822

Fax:

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Received:

Collected:

Collected:

Collected:

09/09/14 8:00 AM

9/4/2014

9/4/2014

9/4/2014

**Analytical Results** 

Client Sample Description 6th FL-PCB-SUB-WC-26

Substrate Under Exterior Window Frame

Caulk 1"

Method	Parameter	Result R	RL.	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1242	ND 0.8	50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1248	ND 0.9	50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1254	7.4 0.8	50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1260	ND 0.4	50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1262	ND 0.9	50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1268	ND 0.9	50	mg/Kg	9/11/2014	AB	9/12/2014	EH

Client Sample Description

6th FL-PCB-SUB-WC-27

Substrate Under Exterior Window Frame

Caulk 3"

					Prep		Anaiysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1254	0.90	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH

Client Sample Description

5th FL-PCB-SUB-WC-29

Substrate Under Exterior Window Frame

Caulk 0"

Method	Parameter	Result R	RL.	Units		rep ate	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND 4	49	mg/Kg	9/	11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1221	ND 4	49	mg/Kg	9/	11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1232	ND	49	mg/Kg	9/	11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1242	ND	49	mg/Kg	9/	11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1248	ND	49	mg/Kg	9/	11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1254	480	49	mg/Kg	9/	11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1260	ND	49	mg/Kg	9/	11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1262	ND .	49	mg/Kg	9/	11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1268	ND	49	mg/Kg	9/	11/2014	AB	9/15/2014	EH



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EMSL Order: CustomerID: 011404813

erID: TRCE51

CustomerPO: ProjectID:

Lab ID:

Lab ID:

Lab ID:

0037

0035

0034

Attn: Daren Bryant

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Project: 221253.0000.0000

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Received:

Collected:

Collected:

Collected:

09/09/14 8:00 AM

9/4/2014

9/4/2014

9/4/2014

**Analytical Results** 

Client Sample Description 5th FL-PCB-SUB-WC-30

Substrate Under Exterior Window Frame

Caulk 1"

Analysis Prep Date Date Analyst Parameter Result RL Units Analyst Method ND 0.50 mg/Kg 9/11/2014 AB 9/12/2014 EΗ Aroclor-1016 3540C/8082A 9/11/2014 9/12/2014 EΗ ND 0.50 mg/Kg AB Aroclor-1221 3540C/8082A 0.50 mg/Kg 9/11/2014 AB 9/12/2014 EH ND 3540C/8082A Aroclor-1232 9/11/2014 AB 9/12/2014 EΗ ND 0.50 mg/Kg 3540C/8082A Aroclor-1242 9/11/2014 9/12/2014 EH ND 0.50 mg/Kg AB 3540C/8082A Aroclor-1248 19 0.50 mg/Kg 9/11/2014 AΒ 9/12/2014 EH 3540C/8082A Aroclor-1254 9/11/2014 ΑB 9/12/2014 EH ND 0.50 mg/Kg 3540C/8082A Aroclor-1260 9/11/2014 AB 9/12/2014 EH 3540C/8082A Aroclor-1262 ND 0.50 mg/Kg ND 0.50 mg/Kg 9/11/2014 AB 9/12/2014 EH Aroclor-1268 3540C/8082A

Client Sample Description

5th FL-PCB-SUB-WC-31

Substrate Under Exterior Window Frame

Caulk 3"

					Prep		Analysis	
Method	Parameter	Result F	?L	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND 0.	49	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1221	ND 0	49	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1232	ND 0.	49	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1242	ND 0.	49	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1248	ND 0.	49	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1254	ND 0.	49	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1260	ND 0.	49	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1262	ND 0.	49	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1268	ND 0.	49	mg/Kg	9/11/2014	AB	9/12/2014	EH

Client Sample Description

7th FL-PCB-SUB-WC-33

Substrate Under Exterior Window Frame

Caulk 1"

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/11/2014	AB	9/12/2014	EH
3540C/8082A	Aroclor-1254	24	2.5	mg/Kg	9/11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1260	ND	2.5	mg/Kg	9/11/2014	AB	9/15/2014	EH
3540C/8082A	Aroclor-1262	ND	2.5	mg/Kg	9/11/2014	AB	9/15/2014	EH



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EMSL Order:

ProjectID:

011404813

CustomerID:

TRCE51

CustomerPO:

Attn: Daren Bryant

**TRC Environmental Corporation** 

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Project: 221253.0000.0000

Phone:

(212) 221-7822

Fax:

(212) 221-7840

Received:

09/09/14 8:00 AM

**Analytical Results** 

Result

Result

ND

ND

ND

ND

ND

0.81

ND

ND

ND

ND

7th FL-PCB-SUB-WC-33 Client Sample Description

Collected:

9/4/2014

Lab ID: 0037

Substrate Under Exterior Window Frame

Caulk 1"

Parameter

Method 3540C/8082A

Aroclor-1268

0.50 mg/Kg

RL

RL

0.50

0.50

0.50

0.50

0.50

0.50

0.50

0.50

Units

Collected:

Units

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

0.50 mg/Kg

9/11/2014 9/4/2014

> Prep Date

9/11/2014

9/11/2014

9/11/2014

9/11/2014

9/11/2014

9/11/2014

9/11/2014

9/11/2014

9/11/2014

Prep

Date

Analyst Date 9/12/2014 AB

Lab ID:

Analyst

AB

ΑB

AB

AB

AB

AB

AB

AB

AB

0038

Analysis

9/13/2014

9/13/2014

9/13/2014

9/13/2014

9/13/2014

9/13/2014

9/13/2014

9/13/2014

9/13/2014

Date

Analysis **Analyst** EΗ

Analyst

EH

EΗ

EH

EH

EH

EH

EH

EH

EΗ

Client Sample Description

7th FL-PCB-SUB-WC-34

Substrate Under Exterior Window Frame

Caulk 3"

Parameter Method

3540C/8082A Aroclor-1016 3540C/8082A Aroclor-1221 Aroclor-1232 3540C/8082A 3540C/8082A Aroclor-1242 3540C/8082A Aroclor-1248 3540C/8082A Aroclor-1254

Aroclor-1260

3540C/8082A Aroclor-1262 3540C/8082A Aroclor-1268

**Client Sample Description** 

3540C/8082A

7th FL-PCB-SUB-WC-36

Substrate Under Exterior Window Frame Caulk 1"

Collected:

9/4/2014

Lab ID:

0040

Analysis Prep Units Date Analyst Date Analyst Method Parameter Result RL AB 9/13/2014 EH 9/11/2014 ND 0.50 mg/Kg 3540C/8082A Aroclor-1016 ND 0.50 mg/Kg 9/11/2014 AB 9/13/2014 EH 3540C/8082A Aroclor-1221 9/11/2014 AB 9/13/2014 EH ND 0.50 mg/Kg Aroclor-1232 3540C/8082A ND 0.50 mg/Kg 9/11/2014 AB 9/13/2014 EΗ Aroclor-1242 3540C/8082A 9/13/2014 EH AB Aroclor-1248 ND 0.50 mg/Kg 9/11/2014 3540C/8082A 9/13/2014 EH 0.68 0.50 mg/Kg 9/11/2014 AR 3540C/8082A Aroclor-1254 ND 0.50 9/11/2014 AB 9/13/2014 EH mg/Kg 3540C/8082A Aroclor-1260 9/11/2014 AB 9/13/2014 EΗ Aroclor-1262 ND 0.50 mg/Kg 3540C/8082A ND 0.50 mg/Kg 9/11/2014 AB 9/13/2014 EH Aroclor-1268 3540C/8082A

Result

ND

ND

ND

Client Sample Description

7th FL-PCB-SUB-WC-37

Substrate Under Exterior Window Frame

Caulk 3"

Parameter Method Aroclor-1016 3540C/8082A

3540C/8082A Aroclor-1221 3540C/8082A Aroclor-1232

Units

mg/Kg

mg/Kg

0.50 mg/Kg

0.50

0.50

Collected:

9/4/2014

Prep

Date

9/11/2014

9/11/2014

9/11/2014

Lab ID:

Analyst

AB

AB

AB

0041

Analysis

9/13/2014

9/13/2014

9/13/2014

Date

Page 13 of 14

Analyst

EΗ

EΗ

EH



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EMSL Order: CustomerID:

011404813

TRCE51

CustomerPO: ProjectID:

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Project: 221253.0000.0000

Phone:

(212) 221-7822

Fax: Received: (212) 221-7840

09/09/14 8:00 AM

**Analytical Results** 

7th FL-PCB-SUB-WC-37 **Client Sample Description** 

9/4/2014

Lab ID:

0041

Substrate Under Exterior Window Frame Caulk 3"

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/11/2014	AB	9/13/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/11/2014	AB	9/13/2014	EH
3540C/8082A	Aroclor-1254	9.7	0.50	mg/Kg	9/11/2014	AB	9/13/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	9/11/2014	AB	9/13/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	9/11/2014	AB	9/13/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	9/11/2014	AB	9/13/2014	EH

Client Sample Description

7th FL-PCB-SUB-WC-38

Collected:

Collected:

9/4/2014

Lab ID: 0042

Substrate Under Exterior Window Frame

					Prep		Anaiysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1254	ND	0.50	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	10/21/2014	AB	10/24/2014	EH

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit

13	
8	
0	
7	
0	

Client Name:   Total		@TRC	PCE	PCB BULK SAMPLE		DATA AND CHAIN OF CUSTODY FORM	4IN C	FCUS	STODY	FORM		
Date: 9   5   11   Semidard   Lucy   Semidard   Semid		Client Name:	Project 370	7	TROOKLY W	xx ,	Sample 3. K.	S Collected	By O. Mak	Keul Pa	ige: 1 of	9
Pair Sample ID No.   Room   Material Name/Use			Reques	ouno			Project	Manager:	\ \	Project I	Yumber: 7, 0600.	
Blass   Broad   Broa				PCB .	BULK SAMPLE IN	FORMATION	1			-		
Phr/114 - E BLANK - 6 4 "1PMENT BLANK   14 325   1				laterial Name/Use		Location	Floor	Quantity (L & W)	Condition G/D/SD	Date	Time	Photo ID No.
1/19   14 - 6 RAANK				10.0				ı		, ,,	111	
WATR-PCB-5(B-4)C-0  SVBSRAPH WASR EFFELOR STATES   W 305   D		1	1	E & SIFAENT	- 1		1	1	1	11/62/8	-	
Hyppp 1 - 1 CB - 5 CB - WG - 02   Staggerer (1945)   Stage	۲	- 14	1	VBSTRAN UNDE	EXXB	Seption Seption	12		0	-	0830	
UMMPLUMES - NB - NW - 02   STABSTANTE UNDER ESTELINE   14   30 g   D	(		I	\ I								
14777 FU - 1CB - 5VB - NV - 03   SUBSTRATE UNDER EXPRESENT   14777 FU - 1CB - 5VB - NV - 04   SUBSTRATE UNDER EXPRESENT   14777 FU - 1CB - 5VB - NV - 04   SUBSTRATE UNDER EXPRESENT   15747 FU - 1CB - 5VB - NV - 04   SUBSTRATE UNDER EXPRESENT   15747 FU - 1CB - 5VB - NV - 04   SUBSTRATE UNDER EXPRESENT   15747 FU - 1CB - 5VB - NV - 04   SUBSTRATE UNDER EXPRESENT   15747 FU - 1CB - 5VB - NV - 05   SUBSTRATE UNDER EXPRESENT   15747 FU - 1CB - 5VB - NV - 05   SUBSTRATE UNDER EXPRESENT   15747 FU - 1CB - 5VB - NV - 05   SUBSTRATE UNDER EXPRESENT   15747 FU - 1CB - 5VB - NV - 05   SUBSTRATE UNDER EXPRESENT   15747 FU - 1CB - 5VB - NV - 05   SUBSTRATE UNDER EXPRESENT   15747 FU - 1CB - 5VB - NV - 05   SUBSTRATE UNDER EXPRESENT   15747 FU - 1CB - 5VB - NV - 05   SUBSTRATE UNDER EXPRESENT   15747 FU - 1CB - 1CB - NV - NV - 1CB - NV - 1CB - NV - 1CB - NV - N	2		70 -	1			14	308	0		Orso	
14797PU - 7CB - 5VB-NV - 03			7		CAULK 1				*			
Window Frank Coulk 3"	3	-829-	- 03	175			hl	305	9		0160	
UPAPEL - PCB - SUB - UP - OU SUBSPATE UNDER EXPERICE   14 319   9   1   1   1   1   1   1   1   1		9			8							
STAFEL - PLB - SVB - WL - OS SLØSTERTE UNDER EFFELVE   13 304   1   1   1   1   1   1   1   1   1	A A		40	1/2			14	3/8			4930	I.
STHEL-PLE - SUB-WL-05 SUBSTEATE WASK EFFELM   13 304   1   1   1   1   1   1   1   1   1			7	l 1	CAULK			0			914	.15
STATEL-PLE - SUB-UK - OG SUBSTRATE UNDER EXTREMENT   13 30	ا و	1	I VI	2/2	N		13	375	0		1945	- 1
13th Fl - Plie - 5/13 - We - Ob SUBSTRATE UNDER EFFREIGE   13 30	- (		h.	FLANE				2				
The FL PRE - SUB - WL - C7 SUBSTRANT WASEL ESTER OF   13 32   1	_	-842-548-	90 -	NO THE	Extra		/3	308	~		I V	
STATEL REE_SUB_WC_07 SURGERATE UNDER EXTREMENT   13 32   1   1   1   1   1   1   1   1   1				K	courk 1			0				71
Condition:  Condit	C	- RUZ-5UB-	40-	111	7	1	13	34	7		1335	Ŋ.
AS PUEMS FOUR Sheeted Instruction to Laboratory:  Special Instruction to Laboratory:  Good, D-Damaged, SD-Significantly Damaged  Composite A, B, C Samples  Good, D-Damaged, SD-Significantly Damaged  Composite A, B, C Samples  CHAIN OF CUSTODY INFORMATION AND LABORATORY INFORMATION  Inquished By:  CHAIN OF CUSTODY INFORMATION AND LABORATORY INFORMATION  CHAIN OF CUSTODY INFORMATI	, ,		1		CAVLK 3	>		0		7	ńΰ	ti.
George out (1) Confosite A, B, C samples GAL Lamogeneous material from equal mass portions (± 5%) of modition:  George out (1) composite 5 anyles of each homogeneous material from equal mass portions (± 5%) of modified 8082 for the following Archlors: 1016, 1221, 1232, 1242, 1248, 1254 (Erin):  CHAIN OF CUSTODY INFORMATION AND LABORATORY INFORMATION  Inquished By:  CHAIN OF CUSTODY INFORMATION AND LABORATORY INFORMATION  Inquished By:  CHAIN OF CUSTODY INFORMATION AND LABORATORY INFORMATION  Inquished By:  CHAIN OF CUSTODY INFORMATION AND LABORATORY INFORMATION  Industrial Method:  CHAIN OF CUSTODY INFORMATION AND LABORATORY INFORMATION  In a Conformation of Submittal Method:  CHAIN OF CUSTODY INFORMATION  In a Conformation of Submittal Method:  CHAIN OF CUSTODY INFORMATION  In a Conformation of Submittal Method:  CHAIN OF CUSTODY INFORMATION  In a Conformation of Submittal Method:  CHAIN OF CUSTODY INFORMATION  In a Conformation of Submittal Method:  CHAIN OF CUSTODY INFORMATION  In a Conformation of Submittal Method:  CHAIN OF CUSTODY INFORMATION  In a Conformation of Submittal Method:  CHAIN OF CUSTODY INFORMATION  In a Conformation of Submittal Method:  CHAIN OF CUSTODY INFORMATION  In a Conformation of Submittal Method:  CHAIN OF CUSTODY INFORMATION  In a Conformation of Submittal Method:  CHAIN OF CUSTODY INFORMATION  In a Conformation of Submittal Method:  CHAIN OF CUSTODY INFORMATION  In a Conformation of Submittal Method:  CHAIN OF CUSTODY INFORMATION  In a Conformation of Submittal Method:  CHAIN OF CUSTODY INFORMATION  In a Conformation of Submittal Method:  CHAIN OF CUSTODY INFORMATION  In a Conformation of Submittal Method:  CHAIN OF CUSTODY INFORMATION  In a Conformation of Submittal Method of Submittal		PUEMSE MOUS	SAMPUE	DENDING		Coron	(D)			1		
LHAIII linquished By:  (Print): (Sign): (Sign): (Sign): (Analytical Method 8082 (Analytical Method 8082 (Analytical Method 8082		D -Damaged,	ly Damaged	Special Instruction t Composite A, B, C Create one (1) com	o Laboratory: GLTB samples of each lu	Sayupeles ma	ONCY crial from	S S S S S S S S S S S S S S S S S S S	10 05 ME	The state of the s	9/5/14 a(3) substin	Vales fo
Print; Prace Region   Date   Time   Received By:   Date   Time   Method Of Submittal   Print;   Prin			5	TAIN OF CUSTODY	Hests Wa EPA Method 80 INFORMATION AND	1. A RORATOR	Ving Aroch	Iors: 1016, 1	221, 1232, 12	42, 1248, 12	54, 1260.	
(Sign): 1992En 22-14 11:60Ph Field  Sign): Print): (Sign): Analytical Method: Lab Comments: UN DUCK MMR Analyzed By:  Lan Comments: UN DUCK MMR Analyzed By:  Land Comments: UN DUCK MMR Analyzed By:  La		Relinguished By:	a l	)ate Time	Received By:	DRI	T a	$\vdash$	Jethod Of Subn	ittal		
Print:  (Sign):  Analytical Method:  Lab Comments: Del Dalon (MCRI MMR Analyzed By:  (Sign):  (Sign):  Analytical Method 8082  (Sign):  Analytical Method 8082  (Sign):  (Sign):  (Sign):  (Sign):	-	19-250			THEIR THEST	7	-	2	ield Valle In			1
Lab Comments: Del Mall Markod:  Lab Comments: Del Mall Markod By:  Lab Comments: Del Markod By:  Lab Comme		II. (Print):					₩	Ħ	ed-Ex			
16 yar & Messleha-1. EPA Method 8082 After on Method 8082 After on Method 8082 After on Method 8082 After on Analyzed By:		(Sign):			2011	A Marie A	Land of	de	Others	0		١
CAN "See special instructions box   11 by W. Y. W. W. W. W. W. W.		Lever & March Land	Analytical Met:	hod: R2	omment of the d	2	מרגמ ע	3	ranlyzed By:	Date &	Time:	П
		CHESCHARE	* See special ins	structions box	STATE OF THE PROPERTY OF THE P	N	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	T	: 180			

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QTRC	PC	PCB BULK SAMF	SAMPLE DATA AND CHAIN OF CUSTODY FORM	ND CH	AIN O	FCUS	STODY	FORM		
Client Name:	Proj	Project Name and Address:	BLOWLLYN	72	Sample 5.44	s Collected	Samples Collected By O. MAR (COV)	Kov/ Page:	of	-2
Date: 9/5/14	Req	Requested Turnaround Time: Standard / WEEK				Project Manager:	m	Project Number:	8	0 000
		PCB B	PCB BULK SAMPLE INFORMATION	ORMATION						
Bulk Sample ID No.	Room	Material Name/Use		Location	Floor	Quantity (L & W)	Condition G/D/SD	Date	Time	Photo ID No.
marke	20	M/	11	SUFFELD	12	2,2	_	1204	17.00	- 11
A Little Tea Sub-wa		SVESTI-FTE UNDEK	EX EXIECTOR	ofter #5	1	202	3	Phale		1/-
		OMO	0					MILTIO	M-1/2 RO	SII.
10 9/2/14-EBLANK	1	EGUIPMENT 1	RCANK	Trace !	1	1	1	11/1/6		- 1
12 MFL-PLB-SUB-WC	16-09	SVBSTRAKE	UNDER EXECLUR	Sarau -	77	369	7		she!	- 1
		LINDOV FRAME CAULK	TAULK O"	ما با بده		•				
( 1274 FU- PCR-518-WC	wc-10		EN EXPERS		12	340	0		1100	
		WINDOW FRAME	FRAME CAULK I"			3				
805-609-1447	-WC-11	1	Wh Experin	J. 7.	12	33-6	9		1115	1
		WINDOW FRAME	CAULK 3"			•				
12THFU-PCR-SVB-WC	WC-12	SUBSTRATE UNDER	a GERRARA		12	405	9		1135	11
		WINDOW FRANT	CAUK 6"			0			201	1.1
(7) 1171 FUL- PUB-5VB-	WC-13	SUBSTRATE UNDER	EXTER		11	375	0		1000/	11
		April	CAULK D"						da Re P -	AA
JUMPU - PLES - SUE-WC	41-7	20	of exactual		11.	335	0		1220	211.
		Wholov FRAME	FRANC GALLK I"	>				>	/F	200
& PLETTE FOUR		SAMPLE PENDING	16 The 3,	DIRECTION	3	16 (20)	11/1		1:2	16
Condition:  G-Good, D-Damaged, SD-Significantly Damaged	ntly Damaged	Special Instruction to Laboratory: Composite A, B, C samples C/MJ Crease one (1) composite sumple of each	struction to Laboratory: 6/173 Structures our 100 Correct, B. Composite sumple of each trongreneous material from extend must portions.	SAMPLES mogeneous mat	Sect from	2 mars	Composites	005,767 (D)	20 915/14	- 20
		CHAIN OF CUSTODY INFORMATION AND LABORATORY INFORMATION	<del>n and analysis via E</del> PA Method 8082 for the following Arochlors: 1016, 1221, 1232, 1242, 1248, 1254, 1260. STODY INFORMATION AND LABORATORY INFORMATION	ABORATORY	ing Aroch	tors: 1016, 1	1221, 1232, 12	42, 1248, 125	4, 1260.	
Refinquished By:		Date Time	Received By:	, Date	e T	-	Method Of Submittal	nittal		1
1. (Print): 1996N Bloom	4	21514 11451º	HELDON MG	NG 28-18 9-1	1 41.9-6	Sar	Field			11
. (Sign): II. (Print):				783	+	1	Fed-Ex			1
(Sign):				3		C	Others			
Crai'l	Analytical Method:	Method:	Lab Comments:			▼ P	Analyzed By:	Date & Time:	l'ime:	
disnay otherstorian	EPA Metho	EPA Method 8082				- 0	Sign:			1

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© TRC	PC	PCB BULK SAMF	SAMPLE DATA AND CHAIN OF CUSTODY FORM	AND CH	AIN C	FCUS	STODY	FORM		
Client Name:	Projec 370	Project Name and Address:	BLOSKURY	2	Sample 3 14H	S Collected	Samples Collected By O. Malled ). ILMI pict / Y. ILLI MENKO	Ko Page:	Jo Z	-0
Date: 9/5/14	Reque	Requested Turnaround Time: Standard / UEEK	, X		Project	Project Manager:		Project Number: 22/253.000-	umber: . 00 ω _ c	888
		PCB B	PCB BULK SAMPLE INFORMATION	FORMATION	7					
Bulk Sample ID No.	Room	Material Name/Use	*	Location	Floor	Quantity (L&W)	Condition G/D/SD	Date	Time	Photo ID No.
IMMEL-PCA-SVA-WC	10-15	SVBSTANTE UNDER	EXTERIOR	SLAFFORD	11	344	0	4/2/14	1235	- 11
		WINDOW FRAME	2	5 # Aug					4	
1174FL-PUB-5VB-	-WC-16	SUBSTEATE UM	UNDER EFFROR		11	400	<		12521	
		WINDOW FRANC C	COULK 6"	7		,		7		- 3
19/3/14- ERLANK	١		BLANK			1	1	913114	0800	-
15	1-17	2/2	EXTERIOR	SCAPPOLD	10	356	<		0840	
		WINDOW FAME	CAULK O"	8400		•				(F)
V 1077FL-PCB-5UB-WC	81-	DUN 372	EXTERIOR		10	254	7		3	11.
		WINDOW FRAME	CAWK I'			4			SEI	11
JOHNEL- PLA -SUB-W	643	SURSTRAR UNDER	ExPECSOR		01	25.5	V		<del>C</del> l	111
,		The	AME CAULK 3"			0	,		17 3.	6-1
1074FL-PCB-5UB-	-Wc-20	SUBSTRATE UNDER	ER EXTERIOR		0/	388	0		050	1.
		Window FRAME	CAULK 6"						1:5	,
PATEL-PLB-SUB-W	17-11	SVBSTRATE UNKER	ER EXTRIM	/	6	320	0		10901	
		WINDOW FRAME	FRAME CAULKO"	>				>		
\$ PLEME to	P		PENDING TRC	DIRECTION	Non	(20)	715114	2		
Condition: G. Good, DDamaged, SD-Significantly Damaged		Special Instruction to Laboratory:  Composite A. B. C. Samples  Create one (1) composite sample of each homogeneous material from equal manageneous material from equal manageneous material from equal manageneous material from equal manageneous materials and enables of the following Arochlors: 101  CHAIN OR CHISTORY INFORMATION AND LARGE ATORY INFORMATION	Special Instruction to Laboratory:  Composite A. B. C. samples  Composite A. B. C. samples  Create one (i) composite sample of each homogeneous material from squal mass portions (1.5%) of the three (3) subsection and analysis was EPA Method 8082 for the following Architors: 1016, 1221, 1232, 1242, 1248, 1254, 1260, OR CHISTODY INFORMATION	SAMOLES mogeneous ma 182 for the follor	terial from	Cory of 1757 cylon trying of 1757 cylons trying 1221, 123 (198, 1221, 12) de trying cylon	100 5 17=5 (139, 12)	(B) 7(5/1/4 5%) of the three (5 1242, 1248, 1254,	7 (3) subsamples for 1, 1260.	13
Detimality of Des		Dete Time	Described Des	NO TOTAL	7	Н	Mathad Of Culturing	See		Ι
1. (Print): 199EN BRYAN	i	11/5/14 11 1/5 PM	Keccived by:  十一たい名。 Hでこが	1	2	I I I SOPA F	Field	IURI		
20					$\Box$	$\vdash$	Walk In			
II. (Print):						1	Fed-Ex			П
(Sign):							Others			- 1
Crail	Analytical Method:	ethod:	Lab Comments:			<b>▼</b>  ₽	Analyzed By: Print Name:	Date & Tlme:	Cline:	1
derang the soluning	EPA Method	EPA Method 8082				S	Sign:			1

Elshohlla

1	PC	PCB BULK SAMI	K SAMPLE DATA AND CHAIN OF CUSTODY FORM	IND CH	4/N O	FCUS	STODY	FORM	Ì	
Client Name:	Project 7.3	Project Name and Address: 3テo びれ られら	ET BROKLYN, NP	アン、ハア	Sample D. 14-	Samples Collected	Samples Collected By O. MARKOV   D. IEM MICH   Y. MENMENICO	KLIMENKON   Page:	Jo of	0
Dare: 9/5/14	Requ	Requested Turnaround Time: Standard / WEGIK	) J2		Project	Project Manager!  D. B/VA	1	Project Number	lumber:	Š
		PCB I	PCB BULK SAMPLE INFORMATION	ORMATION						
Bulk Sample ID No.	Room	Material Name/Use		Location	Floor	Quantity (L & W)	Condition G/D/SD	Date	Time	Photo ID No.
PHR-103-503-WC	-27	SVBSTRATE UNDER	R EXTERIOR	SCAFFOLD AS	5	284	0	4/3/14	1100	
1	1		-21	-	U	1/4	<	-	2	
(4 1777-1-103-1X	K-25	LIMAGE TORMS	WASSA EXTERIOR	-		250	9	+	1130	
THEL-PCB-SUB-WC-	WC-24	1 6	EXTE		5	305	0	-	Shil	
		Ulabow FRAME	1	>				A		
98 914114-ERANK	١	EGUIPHENT	BUNK	1	1	1	1	11/1/6	280	
LAKK-RR-RR-SUR-	-WC-25	SUBSTRATE UNDER EXTERNOR	SER EXTERIOR	SCAFFORD	9	376	0		0830	
		WINDOW FRANCE	CAVIK OF	1/10 # S-						
& GAMPL-PLB-SUB-WC	16-26	SUBSTRATE UNDER	ER EXTERIOR		9	386	9		5/280	27
		Undow FRANCE	CAWK !"						4 S	3.
31 BAHFUPCB - SUB-WE	イメト	SURSTRATE UNDER	DER EXPERIOR		9	436	0		O.5005	. 17
		WINDOW FRAME	is CAUCK 3"			0			-5	<u>१</u> ,14
22 STATEL-PER-SUB-WC	-23	12	X		9	395	0		0520	, ,
		WINDOW FRAME	CAULK 6"	>				>	11]	. 1
& NEWS TO	72 610	1	PENDING THE	DIRECTION	700%	(S)	11/5/16		50	
Condition: G-Good, D-Damaged, SD-Significa	SD-Significantly Damaged	Special Instruction to Laboratory: Composite A, B, C samples Create one (1) composite sample extraction and enalysis via EPA	Special Instruction to Laboratory:  Composite A, B, C samples	CAAS CAMOLES—, eof each homogeneous mat	Ac Co terial from wing Aroch	Correor proson proson con equal mass pochlors: 1016, 1	Es B portions (±5% 1221, 1232, 12	9/5/14 5) 0] the three 42, 1248, 125	<del>. (3) зиВзан</del> и 4, 1260.	sən
			NFORMATION AND I	ABORATORY	INFORM	MATION				
hed By:							Method Of Submittal	ittal		M
Sign):	· M	NS/14 145.00	145,22,92 MEZA P		4-5-14 11	1360KI	Field Walk In			
11. (Print);							Fed-Ex			П
(Sign):							Others			
Chan	Analytical Method:	(ethod:	Lab Comments:			×   12	Analyzed By:	Date & Time:	Time:	
Min o tresaving		EPA Method 8082				S	Sign:			

011404813

	PCB BULK SAM	SAMPLE DATA AND CHAIN OF CUSTODY FORM	ND CHA	IN OF	SUSTOD	YFORM	
Client Name:	Project Name and Address:	12 BROOKLYN	40.04	Samples Collection	lected By O. MARKO.	Samples Collected By O. MARKOVI Page:	Jo J
Date: 9/5/14	Requested Turnaround Time: Standard / Leetk			Project Manager:	yang.	Project Number: 22 (255. 6000.	nber: , doc.o., oox
	PCB	PCB BULK SAMPLE INFORMATION	DRMATION				
Bulk Sample ID No.	n Material Name/Use		Location	Floor Quantity	tity Condition W) G/D/SD	Date	Time Photo
							N
3) STATEL-PCB-SUB-LUC-29	RICH (DB) GETTEATE UNDER	CATE PUR	SCAFFOLD Day HS	339	S	1/1/1/6	7005
THE-PCE-SUB-WC-	1 1			7	260 1		070
	WINDOW FRAME	CAULK !"					
of STATEL -PLB-SUB-WC	-31 SUBSTRATE W	UNDER EXTERIOR		7 50	0c D		1045
	WINDOW FRAME	CAULK 3"					
- 24 STAFEL- PLB -54B-LAC.	3442	UNDER EXTERIOR		7	40g D		1/60
	Window France	SAULK 6"	>		•		
- JUNEL- PRE-SUB-LIK-	4	A EXTERIOR	NEST PLUF	7 365	2		1210 WC-01
	WINDOL FRAME	PAME CAVUK 1"	3/2/2017				2
7 37976- PLB-SUB-LK-	SATE	UNDER EXTERIOR		7 3	345 3		天子 [12-01
	Window FATME	CHULK 3"					SEI
3 DHFL-PCB-5UB-4C	-31 SURITHANE UN	UNDER EXTERIOR		7 3	345 B		
	WINDOW FRAME	CAULK 6"	>			>	
							eri Hii
& repe how	B PENDING TRC	DIRECTION	(A) 2/	F15/14		9	5(
Condition:   G. Good, DDamaged, SD- Significantly Damaged		Special Instruction to Laboratory:  Composite A. B. C. Samples   Create one (1) composite sample afeach homogeneous material from equal mass portions (1.5%) of the three (3) subsection and analysis was PPA Method 60082 for the following Arochlors: 1016, 1221, 1232, 1242, 1248, 1254, 1260	SAMPLES—mater mater mater states for the following states of the following sta	tal from equal	Caref & C (7E) qual mass portions (± ors: 1016, 1221, 1232,	B F15/17 5%) of the three (3) subsamples for 1242, 1248, 1254, 1260.	1260.
	5	AFORMATION AND LA	ABUKATURY	INFORMALI	-		
Relinquished By:	9/s//w 114cpm	Received By:	T Date	-14 11. KDON-	Method Of Submittal	ibmittal	
1	1	Treleman Pic C		+			
II. (Print);					Fed-Ex		
					Others	-	
_	Analytical Method:	Lab Comments:			Analyzed By: Print Name:	Date & Time:	Пет
La Kar Chiloloni. EPA	EPA Method 8082				Sign:		

Ollyoy813

@TRC	PCB BULK	K SAMPLE DATA AND CHAIN OF CUSTODY FORM	AND CH	O N/k	FCUS	STODY	FORM		
Client Name:  NYU  Date:	Project Name and Address:  370 144 57166  Requested Turnaround Times Standard	Address: Shayery ound Time:	20,00	Samples A. ILL	Samples Collected	By O.M.	Samples Collected By O. MM. Lour Page:  ). ILHIMICH (Y. KUMENEO D. C. Project Number:  Project Manager:	of of lumber:	0
61/511		PCB BULK SAMPLE INFORMATION	FORMATION	i	WHANA	2	22(2)	50.7	
Bulk Sample ID No.	Room Material Nam	egg.	Location	Floor	Quantity (L&W)	Condition G/D/SD	Date	Time	क्रम् इस्स्
40 TAFEL-PUB-SUB-WC	C-36 SUBSTER	TOWNER EXTERIOR	WEST ROF SETENCE	4	279	9	hilh/b	1315	MC-ON
77751-PCB-5UB-WC	-3.4	WATE UN		4	275	9		1335	NC-02
JAKEI - PUB - SUB- SWE	125	SUBSTRATE WHER EXFOLUT		4	369	0	1	252/	20/3
	7	FRANE CA			•				
								20	
								145	26
									4 4 4
								CE -5	
								Vi ii Pili	- 4-
								J: 5	
& PURE TO	MOLD PENDING	6 The DIACOTO	00	18	11/5				
Condition: G-Good, D-Damaged, SD-Significantly Damaged		Special Instruction to Laboratory:  Composite 4, B, C samples  Create one (1) composite sunfile of each homogeneous material from equal mass portions.  Creates one (1) composite sunfile of each homogeneous material from equal mass portions.  Creates one (1) composite sunfile of each homogeneous material from equal mass portions.  Control of the composite sunfile of each method 802 for the following Arochiors: 1016, 1221, 123, 123, 123, 123, 123, 123, 12	SAM DLC3 omogeneous man	rtut from	0 3 6	operious (± 5%) 221, 1232, 1242	Jorions (± 5%) of the three (3) sud 1221, 1232, 1242, 1248, 1254, 1260	4. 1260.	rof said
Relinauished By:	Date	Date   Time   Received By:   Date   Time	LABORATORY	e Ti	-	Method Of Submittal	littal		
1. (Print): DALEN BLYANT . (Sign): 7	115/6	-w			4	Field Walk In			
II. (Print): (Sign):					F 0	Fed-Ex Others			
no thestornson	Analytical Method: EPA Method 8082	Lab Comments:			A L	Analyzed By: Print Name: Sign:	Date & Time:	Time:	



200 Route 130 North, Cinnaminson, NJ 08077

Phone: (858) 303-2500 Fax: (858) 858-4571 Email: EnvChemistry2@emsl.com

Attn: Daren Bryant

**TRC Environmental Corporation** 1430 Broadway

10th Floor

New York, NY 10018

Phone: (212) 221-7822

Fax:

(212) 221-7840

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 10/2/2014. The results are tabulated on the attached data pages for the following client designated project:

221253.0000.0000 / 370 Jay Street, Brooklyn, NY

The reference number for these samples is EMSL Order #011405335. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Reviewed and Approved By:

10/14/2014

Julie Smith - Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted. NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.



**200 Route 130 North, Cinnaminson, NJ 08077** Phone/Fax: (856) 303-2500 / (856) 858-4571

 EMSL Order: CustomerID: 011405335

TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant
TRC Environmental Corporation
1430 Broadway
10th Floor

New York, NY 10018

Project: 221253.0000.0000 / 370 Jay Street, Brooklyn, NY

Phone:

(212) 221-7822

Fax: Received:

(212) 221-7840

10/02/14 9:30 AM

<b>Analytical Re</b>
----------------------

Client Sample De	escription 9/30-EBLANK Equipment Blank			Collected:	9/30/2014 8:00:00 AM	Lab ID:	0001	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3580A/8082	Aroclor-1016	ND	0.48	mg/Kg	10/7/2014	AB	10/7/2014	EA
3580A/8082	Aroclor-1221	ND	0.48	mg/Kg	10/7/2014	AB	10/7/2014	EA
3580A/8082	Aroclor-1232	ND	0.48	mg/Kg	10/7/2014	AB	10/7/2014	EA
3580A/8082	Aroclor-1242	ND	0.48	mg/Kg	10/7/2014	AB	10/7/2014	EA
3580A/8082	Aroclor-1248	ND	0.48	mg/Kg	10/7/2014	AB	10/7/2014	EA
3580A/8082	Aroclor-1254	ND	0.48	mg/Kg	10/7/2014	AB	10/7/2014	EA
3580A/8082	Aroclor-1260	ND	0.48	mg/Kg	10/7/2014	AB	10/7/2014	EA
3580A/8082	Aroclor-1262	ND	0.48	mg/Kg	10/7/2014	AB	10/7/2014	EA
3580A/8082	Aroclor-1268	ND	0.48	mg/Kg	10/7/2014	AB	10/7/2014	EA

Client Sample Description

2NDFL-PCB-SUB-WC-01

Substrate Under Exterior Window Frame Caulk 0"

Collected:

9/30/2014

Lab ID: 0002

11:30:00 AM

Method	Parameter	Result F	RL.	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	25	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1221	ND	25	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1232	ND	25	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1242	ND	25	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1248	ND	25	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1254	240	25	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1260	ND	25	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1262	ND	25	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1268	ND	25	mg/Kg	10/10/2014	AB	10/13/2014	EH

**Client Sample Description** 

2NDFL-PCB-SUB-WC-02

Substrate Under Exterior Window Frame Caulk 1"

Collected:

9/30/2014

Lab ID: 0003

11:45:00 AM

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND 0	.50	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1221	ND 0	.50	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1232	ND 0	.50	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1242	ND 0	.50	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1248	ND 0	.50	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1254	7.3 0	.50	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1260	ND 0	.50	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1262	ND 0	.50	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1268	ND 0	.50	mg/Kg	10/10/2014	AB	10/13/2014	EH



200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

http://www.EMSL.com

EnvChemistry2@emsl.com

EMSL Order: CustomerID:

011405335

TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant

**TRC Environmental Corporation** 

1430 Broadway 10th Floor

New York, NY 10018

Project: 221253.0000.0000 / 370 Jay Street, Brooklyn, NY

Phone:

(212) 221-7822

Fax:

(212) 221-7840

Received:

Collected:

10/02/14 9:30 AM

**Analytical Results** 

Client Sample Description 2NDFL-PCB-SUB-WC-03

Substrate Under Exterior Window Frame

9/30/2014 Lab ID:

0004

12:00:00 PM

	Caulk 3"						
Method	Parameter	Result RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND 0.49	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1221	ND 0.49	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1232	ND 0.49	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1242	ND 0.49	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1248	ND 0.49	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1254	ND 0.49	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1260	ND 0.49	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1262	ND 0.49	mg/Kg	10/10/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1268	ND 0.49	mg/Kg	10/10/2014	AB	10/13/2014	EH

### **Definitions:**

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit

10
15
12
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QTRC		PCB BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM	AND CHA	IN OF CUST	<b>TODY</b>	FORM	
Client Name:	3 H	Project Name and Address: 370 Jay Street, Brooklyn, NY		Samples Collected By: R. Shuler, O. Markov	;; <sub>&gt;</sub>	Page: 1 of 1	
Date: 10/1/14	E 07	Requested Turnaround Time: Standard		Project Manager: D. Bryant		Project Number: 221253.0000.0000	er: 0000
***		PCB BULK SAMPLE INF	FORMATION				
Bulk Sample ID No.	Коот	Material Name/Use	Location	Floor Quantity Condition	Condition G/D/SD	Date Time	ne Notes

9/30/14 - EBLANK	ı	EQUIPMENT BLANK			1	ı	9/30/14	0080	
2NDFL-PCB-SUB-WC-01	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 0"	WEST	2 <sup>ND</sup>	57 G	D	9/30/14	1130	Setback
2NDFL-PCB-SUB-WC-02	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 1"	WEST	2 <sup>ND</sup>	41 G	D	9/30/14	1145	Setback
2NDFL-PCB-SUB-WC-03	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 3"	WEST	2 <sup>ND</sup>	62 G	D	9/30/14	1200	Setback Roof
2NDFL-PCB-SUB-WC-04	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 6"	WEST	2 <sup>ND</sup>	49 G	Q	9/30/14	1220	Setback Roof
									4
								011	. M.
								00	<b>L</b> :
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KPLEASE HOLD SAM	IPLES PENDI	*PLEASE HOLD SAMPLES PENDING DIRECTION FROM TRC.						33	, v

\*PLEASE HOLD SAMPLES PENDING DIRECTION FROM TRC.

Condition: G-Good, D-Damaged, SD-Significantly Damaged	cantly Damaged	Speci No c 1254	Special Instruction to Laboratory: No composite sampling – grab s 1254, 1260.	Special Instruction to Laboratory:  No composite sampling – grab samples only using EPA Method 8082 for the following Arochlors: 1016, 1221, 1232, 1243, 1248, 1254, 1260.	PA Method 80k	82 for the foll	lowing Arochlors: 1016	, 1221, 1232, 1242, 1248
		CHAINO	CUSTODY	CHAIN OF CUSTODY INFORMATION AND LABORAT	TORY INFORMATION	RMATION		
Relinguished By:		Date	Time	Received By:	Date	Time	Method Of Submittal	
I (Print)' Daren Bryant		10/114	1320	Las Ar Amerss	15 61119	125000	Field	
(Sign): +		1		7		16 44 6930 4° Walk In	Walk In	
II (Print)					1		Fed-Ex	
(Sign):				1		4	Others	
Fmailto	Analytical Method:	ethod:		Lab Comment all Milen	INFOC FUT	AN L	Analyzed By: D	Date & Time:
dbryant@trcsolutions.com	* See special instru	EPA Method 8082 * See special instructions box	box	10 12 2x 6 107			Sign:	



200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn: Daren Bryant

10/27/2014

TRC Environmental Corporation 1430 Broadway 10th Floor New York, NY 10018

Phone: (212) 221-7822 Fax: (212) 221-7840

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 10/2/2014. The results are tabulated on the attached data pages for the following client designated project:

221253.0000.0000 / 370 Jay Street, Brooklyn, NY

The reference number for these samples is EMSL Order #011405333. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Reviewed and Approved By:

Julie Smith - Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted. NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

Revised Report (2)- Sample -0019 analyzed per the client's request. –Revised Report 10/20/13 Sample -0019 analyzed outside of the method hold time

Sample -0002 was analyzed outside of the method hold time due to a login error.

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.



200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

EnvChemistrv2@emsl.com http://www.EMSL.com

EMSL Order: CustomerID:

011405333

TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant

**TRC Environmental Corporation** 

1430 Broadway 10th Floor

New York, NY 10018

Project: 221253.0000.0000 / 370 Jay Street, Brooklyn, NY

Phone:

(212) 221-7822

Fax:

(212) 221-7840

Received:

10/02/14 9:30 AM

		<b>Analytical F</b>	Results				
Client Sample Description	1STFL-PCB-WC-01 Exterior Window Caulk		Collected:	9/11/2014 1:00:00 PM	Lab ID:	0001	
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.98 mg/Kg	10/8/2014	AB	10/9/2014	EH
3540C/8082A	Aroclor-1221	ND	0.98 mg/Kg	10/8/2014	AB	10/9/2014	EH
3540C/8082A	Aroclor-1232	ND	0.98 mg/Kg	10/8/2014	AB	10/9/2014	EH
3540C/8082A	Aroclor-1242	ND	0.98 mg/Kg	10/8/2014	AB	10/9/2014	EH
3540C/8082A	Aroclor-1248	ND	0.98 mg/Kg	10/8/2014	AB	10/9/2014	EH
3540C/8082A	Aroclor-1254	6.5	0.98 mg/Kg	10/8/2014	AB	10/9/2014	EH
3540C/8082A	Aroclor-1260	ND	0.98 mg/Kg	10/8/2014	AB	10/9/2014	EH
3540C/8082A	Aroclor-1262	ND	0.98 mg/Kg	10/8/2014	AB	10/9/2014	EH
3540C/8082A	Aroclor-1268	ND	0.98 mg/Kg	10/8/2014	AB	10/9/2014	EH
Client Sample Description	9/11/14-EBLANK Equipment Blank		Collected:	9/11/2014 9:00:00 AM	Lab ID:	0002	,
				Prep		Analysis	
Method	Parameter	Result	RL Units	Date	Analyst	Date	Analyst
3580A/8082	Aroclor-1016	ND	0.50 mg/Kg	10/17/2014	AB	10/17/2014	TL
3580A/8082	Aroclor-1221	ND	0.50 mg/Kg	10/17/2014	AB	10/17/2014	TL
3580A/8082	Aroclor-1232	ND	0.50 mg/Kg	10/17/2014	AB	10/17/2014	TL
3580A/8082	Aroclor-1242	ND	0.50 mg/Kg	10/17/2014	AB	10/17/2014	TL
3580A/8082	Aroclor-1248	ND	0.50 mg/Kg	10/17/2014	I AB	10/17/2014	TL
3580A/8082	Aroclor-1254	ND	0.50 mg/Kg	10/17/2014	I AB	10/17/2014	TL
3580A/8082	Aroclor-1260	ND	0.50 mg/Kg	10/17/2014	I AB	10/17/2014	TL
3580A/8082	Aroclor-1262	ND	0.50 mg/Kg	10/17/2014	I AB	10/17/2014	TL
3580A/8082	Aroclor-1268	ND	0.50 mg/Kg	10/17/2014	AB	10/17/2014	TL
Client Sample Description	<ul> <li>3RDFL-PCB-SUB-WC-06</li> <li>Substrate Under Exterior Will Caulk 0"</li> </ul>	ndow Frame	Collected:	9/11/2014 9:30:00 AM	Lab ID:	0007	
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	25 mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1221	ND	25 mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1232	ND	25 mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1242	ND	25 mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1248	ND	25 mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1254	200	25 mg/Kg	10/8/2014	AB	10/10/2014	EH

ND

ND

ND

25 mg/Kg

25 mg/Kg

25 mg/Kg

EΗ

EΗ

EΗ

10/10/2014

10/10/2014

10/10/2014

10/8/2014

10/8/2014

10/8/2014

AB

AB

AB

Aroclor-1260

Aroclor-1262

Aroclor-1268

3540C/8082A

3540C/8082A

3540C/8082A



**200 Route 130 North, Cinnaminson, NJ 08077** Phone/Fax: (856) 303-2500 / (856) 858-4571

http://www.EMSL.com EnvChemistry2@emsl.com

EMSL Order: CustomerID: 011405333

TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant

TRC Environmental Corporation

1430 Broadway 10th Floor

New York, NY 10018

Project: 221253.0000.0000 / 370 Jay Street, Brooklyn, NY

Phone:

(212) 221-7822

Fax:

(212) 221-7840

Received:

10/02/14 9:30 AM

**Analytical Results** 

Client Sample Description	3RDFL-PCB-SUB-WC	C-07	(	Collected:	9/11/2014	Lab ID:	8000	
	Substrate Under Exter Caulk 1"	rior Window Frame			9:50:00 AM			
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1254	16	0.50	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	10/8/2014	AB	10/10/2014	EH

ND

ND

Client Sample Description

3540C/8082A

3540C/8082A

3RDFL-PCB-SUB-WC-08

Aroclor-1262

Aroclor-1268

Substrate Under Exterior Window Frame Caulk 3"

Collected:

0.50 mg/Kg

0.50 mg/Kg

9/11/2014

10/8/2014

10/8/2014

Lab ID: 0009

10/10/2014

10/10/2014

EΗ

EΗ

AB

AB

10:10:00 AM

	Oudin 0							
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1254	0.86	0.50	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	10/8/2014	AB	10/10/2014	EH

Client Sample Description

9/26/14-EBLANK

Equipment Blank

Collected:

9/26/2014

Lab ID: 0011

9:20:00 AM

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3580A/8082	Aroclor-1016	ND 0	.48	mg/Kg	10/7/2014	AB	10/7/2014	EA
3580A/8082	Aroclor-1221	ND 0	.48	mg/Kg	10/7/2014	AB	10/7/2014	EA
3580A/8082	Aroclor-1232	ND 0	.48	mg/Kg	10/7/2014	AB	10/7/2014	EA
3580A/8082	Aroclor-1242	ND 0	.48	mg/Kg	10/7/2014	AB	10/7/2014	EA
3580A/8082	Aroclor-1248	ND 0	.48	mg/Kg	10/7/2014	AB	10/7/2014	EA
3580A/8082	Aroclor-1254	ND 0	.48	mg/Kg	10/7/2014	AB	10/7/2014	EA
3580A/8082	Aroclor-1260	ND 0	.48	mg/Kg	10/7/2014	AB	10/7/2014	EA
3580A/8082	Aroclor-1262	ND 0	.48	mg/Kg	10/7/2014	AB	10/7/2014	EA
3580A/8082	Aroclor-1268	ND 0	.48	mg/Kg	10/7/2014	AB	10/7/2014	EA



200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

http://www.EMSL.com

EnvChemistry2@emsl.com

EMSL Order: CustomerID: CustomerPO; ProjectID:

011405333

TRCE51

Attn: Daren Bryant **TRC Environmental Corporation** 1430 Broadway 10th Floor New York, NY 10018

Project: 221253.0000.0000 / 370 Jay Street, Brooklyn, NY

Phone:

(212) 221-7822

Fax: Received: (212) 221-7840

10/02/14 9:30 AM

Anal	ution	Doc	ulte
Anar	yudai	Res	นเเธ

Client Sample D	Description	2NDFL-PCB-SUB-V	VC-10	C	collected:	9/26/2014	Lab ID:	0012	
		Substrate Under Ex Caulk 0"	terior Window Frame			10:00:00 AM			
Method	P	arameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	А	roclor-1016	ND	15	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	А	roclor-1221	ND	15	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	А	roclor-1232	ND	15	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	А	roclor-1242	ND	15	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	А	roclor-1248	ND	15	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Α	roclor-1254	150	15	mg/Kg	10/8/2014	AB	10/10/2014	EH

ND

ND

ND

**Client Sample Description** 

3540C/8082A

3540C/8082A

3540C/8082A

2NDFL-PCB-SUB-WC-11

Aroclor-1260

Aroclor-1262

Aroclor-1268

Substrate Under Exterior Window Frame Caulk 1"

Collected:

15 mg/Kg

15 mg/Kg

15 mg/Kg

9/26/2014

10/8/2014

10/8/2014

10/8/2014

Lab ID: 0013

AB

AB

AB

10/10/2014

10/10/2014

10/10/2014

EH

EH

EΗ

10:20:00 AM

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND 0	.50	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1221	ND 0	.50	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1232	ND 0	.50	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1242	ND 0	.50	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1248	ND 0	.50	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1254	38	2.5	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1260	ND	2.5	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1262	ND	2.5	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1268	ND 0	.50	mg/Kg	10/8/2014	AB	10/10/2014	EH

Client Sample Description

2NDFL-PCB-SUB-WC-12

Substrate Under Exterior Window Frame

Caulk 3"

Collected: 9/26/2014 Lab ID: 0014

10:35:00 AM

Method	Parameter	Result F	RL.	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND 0.	49	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1221	ND 0.	49	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1232	ND 0.	49	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1242	ND 0.	49	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1248	ND 0.	49	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1254	ND 0.	49	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1260	ND 0.	49	mg/Kg	10/8/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1262	ND 0.	49	mg/Kg	10/8/2014	AB	10/10/2014	EH



Method

## **EMSL** Analytical, Inc.

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Phone/Fax: (856) 303-2500 / (856) 858-4571

EnvChemistry2@emsl.com http://www.EMSL.com

EMSL Order: CustomerID:

011405333

EΗ

TRCE51

CustomerPO: ProjectID:

**Daren Bryant TRC Environmental Corporation** 1430 Broadway 10th Floor

New York, NY 10018

Project: 221253.0000.0000 / 370 Jay Street, Brooklyn, NY

Phone:

(212) 221-7822

Fax:

(212) 221-7840

Received:

10/02/14 9:30 AM

**Analytical Results** 

2NDFL-PCB-SUB-WC-12 Client Sample Description

Substrate Under Exterior Window Frame

Caulk 3<sup>th</sup>

Parameter

9/26/2014 Collected:

Units

RL

Lab ID: 0014

10:35:00 AM

Prep Analysis Analyst Date Analyst Date

10/10/2014 10/8/2014 ND 0.49 mg/Kg AB Aroclor-1268 3540C/8082A 3RDFL-PCB-SUB-WC-14 9/26/2014 Lab ID: 0016 Collected: Client Sample Description

Result

Substrate Under Exterior Window Frame

Caulk 0"

11:15:00 AM

Prep Analysis Units Date Analyst Date Analyst RL Parameter Result Method 10/10/2014 10/8/2014 AB EH ND 9.9 mg/Kg 3540C/8082A Aroclor-1016 10/8/2014 AB 10/10/2014 EΗ ND 9.9 mg/Kg 3540C/8082A Aroclor-1221 AB 10/10/2014 EH ND 9.9 mg/Kg 10/8/2014 Aroclor-1232 3540C/8082A 10/10/2014 EH 10/8/2014 AB ND Aroclor-1242 9.9 mg/Kg 3540C/8082A 10/10/2014 ND 9.9 mg/Kg 10/8/2014 AB ĖΗ 3540C/8082A Aroclor-1248 10/8/2014 ΑB 10/10/2014 EΗ 120 9.9 mg/Kg 3540C/8082A Aroclor-1254 10/10/2014 EH 9.9 mg/Kg 10/8/2014 AB ND 3540C/8082A Aroclor-1260 ND 9.9 mg/Kg 10/8/2014 AB 10/10/2014 EΗ Aroclor-1262 3540C/8082A 10/8/2014 AB 10/10/2014 EH ND 9.9 mg/Kg 3540C/8082A Aroclor-1268

Client Sample Description

3RDFL-PCB-SUB-WC-15

Substrate Under Exterior Window Frame Caulk 1"

Collected:

9/26/2014

Lab ID: 0017

0018

11:30:00 AM

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	m <mark>g/Kg</mark>	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1254	10	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH

Client Sample Description

3RDFL-PCB-SUB-WC-16

Substrate Under Exterior Window Frame Caulk 3"

Collected:

9/26/2014 Lab ID:

11:45:00 AM

Method	Parameter	Result R	L Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND 0.5	i0 mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1221	ND 0.5	0 mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1232	ND 0.5	0 mg/Kg	10/9/2014	AB	10/10/2014	EH



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011405333

TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant

**TRC Environmental Corporation** 

1430 Broadway 10th Floor

New York, NY 10018

Project: 221253.0000.0000 / 370 Jay Street, Brooklyn, NY

Phone:

(212) 221-7822

Fax:

(212) 221-7840

Received:

10/02/14 9:30 AM

Analytical Results

		Allalytical Results
Client Sample Description	3RDFL-PCB-SUB-WC-16	C

Substrate Under Exterior Window Frame

9/26/2014 Collected: 11:45:00 AM Lab ID: 0018

	Caulk 3"	
Method	Parameter	Result
		NID

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1254	1.0	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH

Client Sample Description

3RDFL-PCB-SUB-WC-17

Substrate Under Exterior Window Frame Caulk 6"

9/26/2014 Collected:

Lab ID: 0019

12:00:00 PM

					Prep		Analysis	
Method	Parameter	Result	₹L	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND 0.	50	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1221	ND 0	50	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1232	ND 0	50	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1242	ND 0	50	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1248	ND 0	50	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1254	0.56 0	50	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1260	ND 0	50	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1262	ND 0	50	mg/Kg	10/21/2014	AB	10/24/2014	EH
3540C/8082A	Aroclor-1268	ND 0	50	mg/Kg	10/21/2014	AB	10/24/2014	EH

Client Sample Description

4THFL-PCB-SUB-WC-18

Substrate Under Exterior Window Frame

Caulk 0"

Collected: 9/26/2014 Lab ID: 0020

12:15:00 PM

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	25	mg/Kg	10/9/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1221	ND	25	mg/Kg	10/9/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1232	ND	25	mg/Kg	10/9/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1242	ND	25	mg/Kg	10/9/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1248	ND	25	mg/Kg	10/9/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1254	220	25	mg/Kg	10/9/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1260	ND	25	mg/Kg	10/9/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1262	ND	25	mg/Kg	10/9/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1268	ND	25	mg/Kg	10/9/2014	AB	10/13/2014	EH



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Phone/Fax: (856) 303-2500 / (856) 858

Phone:

(212) 221-7822

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(212) 221-7840

Received:

10/02/14 9:30 AM

EMSL Order:

CustomerID:

CustomerPO:

ProjectID:

011405333

TRCE51

0021

10th Floor

1430 Broadway

Attn: Daren Bryant

New York, NY 10018

**TRC Environmental Corporation** 

Project: 221253.0000.0000 / 370 Jay Street, Brooklyn, NY

**Analytical Results** 

 Client Sample Description
 4THFL-PCB-SUB-WC-19
 Collected:
 9/26/2014
 Lab ID:

 Substrate Under Exterior Window Frame
 12:30:00 PM

Substrate Under Exterior Window Frame Caulk 1"

Analysis Prep Date Analyst Date Analyst Parameter Result RL Units Method ND mg/Kg 10/9/2014 ΑB 10/10/2014 EH 0.50 3540C/8082A Aroclor-1016 ND 0.50 mg/Kg 10/9/2014 AΒ 10/10/2014 EH Aroclor-1221 3540C/8082A 10/10/2014 10/9/2014 AB EΗ ND 0.50 mg/Kg 3540C/8082A Aroclor-1232 ND 10/9/2014 AB 10/10/2014 EΗ 0.50 mg/Kg 3540C/8082A Aroclor-1242 ND 0.50 mg/Kg 10/9/2014 AB 10/10/2014 EΗ Aroclor-1248 3540C/8082A 22 2.5 mg/Kg 10/9/2014 AB 10/13/2014 EΗ 3540C/8082A Aroclor-1254 EH ND 10/9/2014 AB 10/13/2014 3540C/8082A Aroclor-1260 2.5 mg/Kg 10/9/2014 ND 2.5 mg/Kg AB 10/13/2014 EH 3540C/8082A Aroclor-1262

ND

Client Sample Description 4THFL-PCB-SUB-WC-20

Aroclor-1268

Substrate Under Exterior Window Frame

Caulk 3"

Collected:

Collected:

0.50 mg/Kg

9/26/2014 Lab ID: 0022

AB

10/10/2014

EH

12:45:00 PM

10/9/2014

Method	Parameter	Result RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND 0.49	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1221	ND 0.49	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1232	ND 0.49	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1242	ND 0.49	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1248	ND 0.49	mg/Kg	10/9/2014	AB	10/10/2014	ĖΗ
3540C/8082A	Aroclor-1254	0.63 0.49	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1260	ND 0.49	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1262	ND 0.49	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1268	ND 0.49	mg/Kg	10/9/2014	AB	10/10/2014	EH

**Client Sample Description** 

3540C/8082A

5THFL-PCB-SUB-WC-22

Substrate Under Exterior Window Frame

9/26/2014

Lab ID: 0024

1:20:00 PM

					Prep		Analysis	
Method	Parameter Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	25	mg/Kg	10/9/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1221	ND	25	mg/Kg	10/9/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1232	ND	25	mg/Kg	10/9/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1242	ND	25	mg/Kg	10/9/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1248	ND	25	mg/Kg	10/9/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1254	240	25	mg/Kg	10/9/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1260	ND	25	mg/Kg	10/9/2014	AB	10/13/2014	EH
3540C/8082A	Aroclor-1262	ND	25	mg/Kg	10/9/2014	AB	10/13/2014	EH



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TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant

**TRC Environmental Corporation** 

1430 Broadway 10th Floor New York, NY 10018

Project: 221253.0000.0000 / 370 Jay Street, Brooklyn, NY

**Analytical Results** 

Phone:

Received:

Fax:

Collected: 9/26/2014 Lab ID: 5THFL-PCB-SUB-WC-22 Client Sample Description

> Substrate Under Exterior Window Frame Caulk 0"

1:20:00 PM

(212) 221-7822

(212) 221-7840

10/02/14 9:30 AM

0024

Prep Analysis RL Units Date Parameter Result Date Analyst Analyst Method 10/9/2014 10/13/2014 ND 25 mg/Kg AB EΗ Aroclor-1268 3540C/8082A

5THFL-PCB-SUB-WC-23 9/26/2014 Collected: Lab ID: 0025 Client Sample Description

Caulk 1"

1:35:00 PM Substrate Under Exterior Window Frame

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.49	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1221	ND	0.49	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1232	ND	0.49	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1242	ND	0.49	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1248	ND	0.49	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1254	13	0.49	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1260	ND	0.49	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1262	ND	0.49	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1268	ND	0.49	mg/Kg	10/9/2014	AB	10/10/2014	EH

Client Sample Description 5THFL-PCB-SUB-WC-24 Collected: 9/26/2014 Lab ID: 0026 1:50:00 PM

Substrate Under Exterior Window Frame

Caulk 3"

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1254	0.64	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	10/9/2014	AB	10/10/2014	EH

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit

Page I Of 3

2	
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Project Name and Address:   Samples Collected Street, Brooklyn, NY   Requested Tumaround Time:   Requested Tumaround Time:   Requested Tumaround Time:   Project Namager:   Requested Tumaround Time:   Project Namager:   Requested Tumaround Time:   D. Bryant   Project Namager:   D. Bryant   Project Namager:   D. Bryant   D. Brya	©TRC.	P	PCB BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM	TA AND CH	AINC	DF CUS	STODY	FORM		
Date: 9/30/14   Standard	Client Name: NYU	37.6	yect Name and Address: ) Jay Street, Brooklyn, NY		Sampl Y. Klii	s Collected	By: V. Bajo	mo, Page:	ge: of 3	
STEEL-PCB-WC-01	Date: 9/50/14	Sta	quested Tumaround Time: indard		Projec D. Bry	t Manager: ant		Project Number: 221253,0000.00	Project Number. 221253.0000.0000	
STFL-PCB-WC-01		Коош	Material	Location Location	Floor		Condition Date Time	Date	KK TELES	Photo
ISTFL-PCB-WC-01					-		TO TO TO			
STFL-PCB-SUB-WC-02	ISTFL-PCB-WC-01	EXTERIOR	EXTERIOR WINDÓW:CAULK	EAST	1ST	ı	Ω	9/11/14	1300	L
ISTFL-PCB-SUB-WC-02	9/11/14 - EBLANK	Ł	EQUIPMENT BLANK,	1		I	1	9/11/14	0060	1
ISTFL-PCB-SUB-WC-03		EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 0"	EAST	1 <sup>ST</sup>	27 G	Ω	9/11/14	1330	I
ISTFL-PCB-SUB-WC-04	_	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 1"	EAST	157	31 G	Δ	9/11/14	1345	1
S EXTERIOR SUBSTITUDO  ME EXTERIOR SUBSTITUDO  B EXTERIOR SUBSTITUDO  WINDO  WINDO  WINDO  WINDO  WINDO  WINDO  WINDO  MINDO  WINDO  MINDO  MINDO  Special franty Damnged  Mon  Abalytical Method:    Public   Public	_	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 3"	EAST	157	36 G	Д	9/11/14	1405	1
17 EXTERIOR SUBSTITUDO 18 EXTERIOR SUBSTITUDO 19 EXTERIOR SUBSTITUDO 19 EXTERIOR SUBSTITUDO 10 EXTERIOR SUBSTITUDO 10 EXTERIOR SUBSTITUDO 10 EXTERIOR SUBSTITUTO 10 MINDO 10 MIND	ISTFL-PCB-SUB-WC-05	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 6"	EAST	lst	28 G	D	9/11/14	1430	1
EXTERIOR SUBSTINDO BEXTERIOR SUBSTINDO PEXTERIOR SUBSTINDO AMPLES PENDING DIRE No - Significantly Damaged 123  Specificantly Damaged 124  Amalytical Machadia	3RDFL-PCB-SUB-WC-06	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 0"	HILLOS	380	S7 G	Q	9/11/14	0630	1
MINDO EXTERIOR SUBSTITUTION WINDO WINDO MINDO AMPLES PENDING DIRE Not Substituted barninged Date Patential Method:	3RDFL-PCB-SUB-WC-07	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 1"	SOUTH	3,0	58 G	Q	9/11/14	0950	1
AMPLES PENDING DIRE Significantly Danmaged Significantly Danmaged Date Potential Method:	3RDFL-PCB-SUB-WC-08	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 3"	ROUTH	3,50	43 G	Д	9/11/14	1010	1
AMPLES PENDING DIRE No	3RDFL-PCB-SUB-WC-09	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 6"	SOUTH	3,80	Ð 19	Ω	9/11/14	0601	1
AMPLES PENDING DIRE Spriftcantly Damaged 122 124 125 125 125 126 127 127 127 127 127 127 127 127 127 127									201	M
AMPLES PENDING DIRE Significantly Damaged 123  No 124  No 124  No 124  Auslytical Method:									180	iL!
Significantly Damaged 123 No 1725  CHAINC Date Polytral Method:	MPLEASE HOLD SAMP.	LES PENDI	NG DIRECTION FROM TRC						۲-	i.E.C
Date Date Prijit	1	paß	Spe No 123	oles only using EPA M	ethod 8082	for the follon	ring Arochio	s: 1016, 1231	, 123 <u>2</u> g24	Zizza,
Anstytical Method: 12b Comments: 1 1 001/1 150 101/1	2		Date   Time   Received By:	A STANDING STANDARDOR	SE IN BOR	WATEON	terbod Of Suhn	A San Man		No.
Analytical Method: Lab Connecuts: 1 1 Analytical Method:	I. (Print): Deren Bryant (Sign):		11/11	7	7777	23	ield Pere In			11
Analytical Method: Lab Courneals: 1 1 2017 12011	II. (Print).		3	2	+	1	cd-Ex			
See sard of historican box	Email to: dbryant@tresolutions.com	EPA Metho		the that	March		Others Analyzed By: Print Name: Sign:	Date & Time:	Time:	

OxgexID: 011402333

OrderID: 011405333

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			C11405335	5333						
	@TRC	PC	PCB BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM	AND CHA	NN O	F CUS	TODY	FORM		
	Client Name:	Proj 370	Project Name and Address: 370 Jay Street, Brooklyn, NY		Sample: Y. Klim	s Collected lenko, D. K	Samples Collected By: V. Bajomo, Y. Klimenko, D. Khimich, R. Shuler	no, Page:	ار اور ع	
	Date: 9/30/14	Req	Requested Turnaround Time: Standard		Project D. Bryo	Project Manager: D. Bryant		Project Number: 221253.0000,0000	umber: 000,000	
			PCB BULK SAMPLE INFORMATION	FORMATION	. 50		N	の金融をよる	100	图 1
	Bulk Sample ID No.	Room	Material Name/Use	Location	Floor	Quantity	Condition G/D/SD	Date	Тіте	Plioto 1D No.
>	9/26/14 - EBLANK	j	EOUIPMENT BLANK	i	1	1	1	9/26/14	0920	1
4	2NDFL-PCB-SUB-WC-10	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 0"	NORTH	2 <sup>ND</sup>	27 G	Q	9/26/14	1000	ı
5	2NDFL-PCB-SUB-WC-11	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK J"	NORTH	2ND	31 G	Д	9/26/14	1020	1
=	2NDFL-PCB-SUB-WC-12	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 3"	NORTH	2ND	27 G	Q	9/26/14	1035	1
×	2NDFL-PCB-SUB-WC-15	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 6"	NORTH	2 <sup>MD</sup>	34 G	Q	9/26/14	1050	1
2	3RDFL-PCB-SUB-WC-14	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 0"	NORTH	2 <sup>ND</sup>	30 G	D	9/26/14	1115	1
7	3RDFL-PCB-SUB-WC-15	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 1"	NORTH	380	29 G	Q	9/26/14	1130	i.
7	3RDFL-PCB-SUB-WC-16	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 3"	NORTH	310	46 G	D	9/26/14	1145	i
X	3RDFL-PCB-SUB-WC-17	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 6"	NORTH	380	42 G	D	9/26/14	<u>8</u> 1	1:
3	4THFL-PCB-SUB-WC-18	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 0"	NORTH	4TH	27 G	Q	9/26/14	12.53	L!:
7	4THFL-PCB-SUB-WC-19	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 1"	NORTH	471	45 G	D	9/26/14	1250	ylų.
	*PLEASE HOLD SAM	PLES PENDI	*PLEASE HOLD SAMPLES PENDING DIRECTION FROM TRC.						PH	j.

Ab composite sumpling — grab samples only using EPA Method 8082 for the following Arachlars: 1016, 1221, 1232,1242, 12 aged. SD—Significantly Damoged 1254, 1260.  CHAIN OF CUSTODY INFORMATION AND LABORATORY INFORMATION Significantly Significant Signifi
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Condition:

(Penal): Dares Brean				
	1730 44 11/11	I WILLIAM I	1/10/1 1.35(pt) Field	
Sion!			Wolk In	
(Print):	7		Fed-Ex	
(Kjen):			Others	
Email to :  Epyant@tresolutions.com  *See special intructions box	Lab Comments:		Analyzed By: Print Name: Sign:	Date & Time:

OxqexID: 011402333

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NYLU         Project Name and Address:         Sumples Collected By V. Bajomo.         Project Name and Address:         NYLU           NYLU         NYLU         NYLU         NYLU         NYLU         Project Name.         Project Name.           NYLU         Requested Turneround Time.         Standard         Turneround Time.         Project Name.         Project Name.         Project Name.           930/14         Standard         Standard         Location         Project Name.         Project Name.         Project Name.           940/14         Room         Material Name/Use         Location         Project Name.         Time         Photo.           8-uk Sample ID No.         Room         Material Name/Use         Location         Poor         Quantity         Groups         Contilon         Day.         Time         Photo.           4THFL-PCB-SUB-WC-20         EXTERIOR         SUBSTRATE UNDER EXTERIOR         NORTH         4TH         37 G         D         926/14         1305         —           5THFL-PCB-SUB-WC-22         EXTERIOR         SUBSTRATE UNDER EXTERIOR         NORTH         5TH         27 G         D         926/14         1410         —           5THFL-PCB-SUB-WC-23         EXTERIOR         SUBSTRATE UNDER EXTERIOR         NORTH <t< th=""><th>JTRO:</th><th>PC</th><th>PCB BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM</th><th>AND CH</th><th>AINC</th><th>F CUS</th><th>TODY</th><th>FORM</th><th></th><th></th></t<>	JTRO:	PC	PCB BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM	AND CH	AINC	F CUS	TODY	FORM		
Requested Turnstround Time;   Project Manager:   Project Number:	ent Name:	Proj 370	ect Name and Address: Jay Street, Brooklyn, NY		Sample Y. Klir	s Collected	By: V. Bajor himich, R. S		ge: of 3	
Room   Material NameUse	e: 0/14	Req	uested Turnaround Time: idard		Project D. Bry	: Manager: ant		Project 1 221253.	Vumber: 0000.0000	
Room   Material Name/Use   Locution   Floor   Quantity   Condition   Date   Time   Photo	The state of the s		がなるが	NEORWATION		N. S. W. S. S.		SUPPLIES.		
EXTERIOR         SUBSTRATE UNDER EXTERIOR         NORTH         4 <sup>TH</sup> 47G         D         926/14         1245         —           EXTERIOR         SUBSTRATE UNDER EXTERIOR         NORTH         4 <sup>TH</sup> 35 G         D         926/14         1305         —           EXTERIOR         SUBSTRATE UNDER EXTERIOR         NORTH         5 <sup>TH</sup> 27 G         D         9/26/14         1326/24         —           WINDOW FRAME CAULK 7°         NORTH         5 <sup>TH</sup> 29 G         D         9/26/14         1350         —           EXTERIOR         SUBSTRATE UNDER EXTERIOR         NORTH         5 <sup>TH</sup> 29 G         D         9/26/14         1410         —           EXTERIOR         SUBSTRATE UNDER EXTERIOR         NORTH         5 <sup>TH</sup> 26 G         D         9/26/14         1410         —           WINDOW FRAME CAULK 6°         NORTH         5 <sup>TH</sup> 26 G         D         9/26/14         1410         —           WINDOW FRAME CAULK 6°         NORTH         5 <sup>TH</sup> 26 G         D         9/26/14         1410         —           WINDOW FRAME CAULK 6°         NORTH         5 <sup>TH</sup> 26 G         D         9/26/14         1410         —	ple ID No.	Коош	l Name/Use	Location	Floor	Quantity	Condition G/D/SD	Date	Time	Photo ID No.
EXTERIOR         SUBSTRATE UNDER EXTERIOR         NORTH         4"H         47G         D         9/26/14         1245         —           WINDOW FRAME CAULK 9"         NORTH         4"H         35 G         D         9/26/14         1305         —           EXTERIOR         SUBSTRATE UNDER EXTERIOR         NORTH         5"H         27 G         D         9/26/14         1359         —           EXTERIOR         SUBSTRATE UNDER EXTERIOR         NORTH         5"H         29 G         D         9/26/14         1350         —           EXTERIOR         SUBSTRATE UNDER EXTERIOR         NORTH         5"H         29 G         D         9/26/14         1410         —           EXTERIOR         SUBSTRATE UNDER EXTERIOR         NORTH         5"H         26 G         D         9/26/14         1410         —           WINDOW FRAME CAULK 6"         NORTH         5"H         26 G         D         9/26/14         1410         —           WINDOW FRAME CAULK 6"         NORTH         5"H         26 G         D         9/26/14         1410         —           MINDOW FRAME CAULK 6"         NORTH         5"H         26 G         D         9/26/14         1410         —										
EXTERIOR   SUBSTRATE UNDER EXTERIOR   NORTH   4 <sup>TH</sup>   35 G   D   9/26/14   1305	HFL-PCB-SUB-WC-20	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 3"	NORTH	4тн	47 G	D	9/26/14	1245	i
EXTERIOR         SUBSTRATE UNDER EXTERIOR         NORTH         5 <sup>TM</sup> 27 G         D         9/26/14         13203/4         —           EXTERIOR         SUBSTRATE UNDER EXTERIOR         NORTH         5 <sup>TM</sup> 29 G         D         9/26/14         1335         —           EXTERIOR         SUBSTRATE UNDER EXTERIOR         NORTH         5 <sup>TM</sup> 26 G         D         9/26/14         1410         —           EXTERIOR         SUBSTRATE UNDER EXTERIOR         NORTH         5 <sup>TM</sup> 26 G         D         9/26/14         1410         —           WINDOW FRAME CAULK 6 <sup>TM</sup> NORTH         5 <sup>TM</sup> 26 G         D         9/26/14         1410         —           MINDOW FRAME CAULK 6 <sup>TM</sup> NORTH         5 <sup>TM</sup> 26 G         D         9/26/14         1410         —           MAPLES PENDING DIRECTION FROM TRC.         PROPERATE TRANSPARTED TRANSP	IFL-PCB-SUB-WC-21	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 6"	NORTH	4 <sup>TH</sup>	35 G	Д	9/26/14	1305	1
EXTERIOR         SUBSTRATE UNDER EXTERIOR         NORTH         5 <sup>TH</sup> 37 G         D         9/26/14         1335         —           EXTERIOR         SUBSTRATE UNDER EXTERIOR         NORTH         5 <sup>TH</sup> 29 G         D         9/26/14         1350         —           EXTERIOR         SUBSTRATE UNDER EXTERIOR         NORTH         5 <sup>TH</sup> 26 G         D         9/26/14         1410         —           WINDOW FRAME CAULK 6 <sup>TH</sup> NINDOW FRAME CAULK 6 <sup>TH</sup> NORTH         5 <sup>TH</sup> 26 G         D         9/26/14         1410         —           IMPLES PENDING DIRECTION FROM TRC.         TORTH         TORTH<	IFL-PCB-SUB-WC-22	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 0"	NORTH	STH	27 G	D	9/26/14	13205	1.51
EXTERIOR SUBSTRATE UNDER EXTERIOR NORTH 5TH 29 G D 9/26/14 1410 —  EXTERIOR SUBSTRATE UNDER EXTERIOR NORTH 5TH 26 G D 9/26/14 1410 —  WINDOW FRAME CAULK 6TH 1410 —  WINDOW FRAME CAULK 6T	IFL-PCB-SUB-WC-23	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 1"	NORTH	STH	37 G	Ω	9/26/14	1335	t
EXTERIOR SUBSTRATE UNDER EXTERIOR NORTH 5TM 26G D 9726/14 1410 — WINDOW FRAME CAULK 6TM TRC.  EXTERIOR SUBSTRATE UNDER EXTERIOR FROM TRC.	IFL-PCB-SUB-WC-24	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 3"	NORTH	5 <sup>TH</sup>	29 G	Q .	9/26/14	1350	1
FROM TRC.	IFL-PCB-SUB-WC-25	EXTERIOR	SUBSTRATE UNDER EXTERIOR WINDOW FRAME CAULK 6"	NORTH	57Ж	26 G	Д	9/26/14	1410	1
FROM TRC.										
FROM TRC.									50]]	: 11:
FROM TRC.									00	<u>L</u> ?
FROM TRC.										4.
	«PLEASE HOLD SAM	PLES PENDI	VG DIRECTION FROM TRC.							HLITE EIVIN

Condition: G-Good, D-Damaged, SD-Significantly Damaged	5D- Significantly Damaged	Special No col 1254,	special Instruction to Laboratory: Vo composite sampling – grab s 1254, 1268.	Special Instruction to Laboratory: No compostie sampling – grab samples only using EPA Method 8082 for the following Arachlors: 1016, 1221, 1232, 1242, 1248, 1254, 1268.	EPA Method 80	82 for the foli	lowing Arochiors: 1016,	, 1221, 1232, 1242, 1248,
一門 一大門 一大門 一大	A A A A A A A A A A A A A A A A A A A	1 (2.11	CONCUSTODY	VRORMATHON AND EARO	RATEORNINE	RMATION	則因此反称的發出公司告	
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Email to:							Print Name:	
dbryant@trcsolutions.com	m EPA Method 8082 * See special instructions box	2 ructions b	r.				Sign:	

OrderID: 011405333 OrderID: 011405333



200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn:

**Daren Bryant** TRC Environmental Corporation 1430 Broadway 10th Floor New York, NY 10018

Phone: (212) 221-7822

Fax:

(212) 221-7840

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 10/13/2014. The results are tabulated on the attached data pages for the following client designated project:

221253.0000.0000 / 370 Jay Street, Brooklyn, NY

The reference number for these samples is EMSL Order #011405558. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Reviewed and Approved By:

10/20/2014

Julie Smith - Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted. NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.



200 Route 130 North, Cinnaminson, NJ 08077

(856) 303-2500 / (856) 858-4571 Phone/Fax:

http://www.EMSL.com EnvChemistry2@emsl.com EMSL Order: CustomerID: CustomerPO: ProjectID:

011405558 TRCE51

Attn: Daren Bryant **TRC Environmental Corporation** 1430 Broadway 10th Floor

New York, NY 10018

Project: 221253.0000.0000 / 370 Jay Street, Brooklyn, NY

Phone:

(212) 221-7822

Fax: Received: (212) 221-7840

10/13/14 4:30 PM

		Analytical F	Result	S				
Client Sample Description	Ground FL-PCB-GGC-01 Exterior Garage Gate Caulking		(	Collected:	10/7/2014 10:00:00 AM	Lab ID:	0001	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.56	mg/Kg	10/15/2014	AB	10/16/2014	EA
	Aroclor-1221	ND	0.56	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1232	ND	0.56	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1242	ND	0.56	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1248	ND	0.56	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1254	2.5	0.56	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1260	ND	0.56	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1262	ND	0.56	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1268	ND	0.56	mg/Kg	10/15/2014	AB	10/16/2014	EA
Client Sample Description	Ground FL-PCB-EDC-02 Exterior Doors Caulking			Collected:	10/7/2014 10:35:00 AM	Lab ID:	0002	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	1.4	1.0	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1221	ND	1.0	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1232	ND	1.0	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1242	ND	1.0	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1248	ND	1.0	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1254	9.6	1.0	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1260	ND	1.0	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1262	ND	1.0	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1268	ND	1.0	mg/Kg	10/15/2014	AB	10/16/2014	EA
Client Sample Description	n Ground FL-PCB-PMC-03 Marble Panel/Map Frame & Joints	s Caulking		Collected:	10/7/2014 12:30:00 PM	Lab ID:	0003	
M-4-4	Dovometer	Result	RL	Units	Prep Date	Analysi	Analysis Date	Analyst
Method	Parameter 4046	ND	0.96		10/15/2014		10/16/2014	EA
3540C/8082A	Aroclor-1016	ND		mg/Kg	10/15/2014		10/16/2014	EA
3540C/8082A	Aroclor-1221	ND ND	0.96		10/15/2014		10/16/2014	EA
3540C/8082A	Aroclor-1232		0.96		10/15/2014		10/16/2014	EA
3540C/8082A	Aroclor-1242	ND			10/15/2014		10/16/2014	EA
3540C/8082A	Aroclor-1248	ND	0.96	mg/Kg	10/13/2014	AD.	10/10/2014	EA

3.1

ND

ND

ND

0.96 mg/Kg

0.96 mg/Kg

0.96 mg/Kg

0.96 mg/Kg

10/15/2014

10/15/2014

10/15/2014

10/15/2014

AB

AB

AB

AB

10/16/2014

10/16/2014

10/16/2014

10/16/2014

EA

EΑ

EΑ

EA

Aroclor-1254

Aroclor-1260

Aroclor-1262

Aroclor-1268

3540C/8082A

3540C/8082A

3540C/8082A

3540C/8082A



Attn: Daren Bryant

1430 Broadway 10th Floor

New York, NY 10018

## **EMSL** Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

http://www.EMSL.com

**TRC Environmental Corporation** 

Project: 221253.0000.0000 / 370 Jay Street, Brooklyn, NY

EnvChemistry2@emsl.com

Phone: Fax:

(212) 221-7822 (212) 221-7840

EMSL Order:

CustomerID:

CustomerPO:

ProjectID:

011405558

TRCE51

Received:

10/13/14 4:30 PM

**Analytical Results** 

Client Sample Description	Ground FL-PCB-EWC-04 Exterior Window Caulking		1	Collected:	10/7/2014 11:40:00 AM	Lab ID:	0004	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	A <mark>roclor-1</mark> 016	ND	0.97	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1221	ND	0.97	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1232	ND	0.97	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1242	ND	0.97	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1248	ND	0.97	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1254	4.2	0.97	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1260	ND	0.97	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1262	ND	0.97	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1268	ND	0.97	mg/Kg	10/15/2014	AB	10/16/2014	EA

10/7/2014 Lab ID: 0005 Client Sample Description Ground FL-PCB-WG-05 Collected: Window Glazing 11:10:00 AM

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.90	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1221	ND	0.90	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1232	ND	0.90	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1242	ND	0.90	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1248	ND	0.90	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1254	22	0.90	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1260	4.4	0.90	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1262	ND	0.90	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1268	ND	0.90	mg/Kg	10/15/2014	AB	10/16/2014	EA

10/7/2014 Lab ID: 0006 Ground FL-PCB-EWC-06 Collected: Client Sample Description 12:50:00 PM Exterior Window Caulking/On Top of Glazing

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.97	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1221	ND	0.97	mg/Kg	10/15/2014	АВ	10/16/2014	EA
3540C/8082A	Aroclor-1232	ND	0.97	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1242	ND	0.97	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1248	ND	0.97	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1254	2.3	0.97	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1260	1.8	0.97	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1262	ND	0.97	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A	Aroclor-1268	ND	0.97	mg/Kg	10/15/2014	AB	10/16/2014	EA



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http://www.EMSL.com

**TRC Environmental Corporation** 

EnvChemistry2@emsl.com

Phone:

(212) 221-7822

EMSL Order:

CustomerID:

CustomerPO:

ProjectID:

011405558

TRCE51

Fax:

(212) 221-7840

Received:

10/13/14 4:30 PM

10th Floor

Attn: Daren Bryant

New York, NY 10018

1430 Broadway

Project: 221253.0000.0000 / 370 Jay Street, Brooklyn, NY

**Analytical Results** 

Client Sample Description	Ground FL-PCB-DC-07 Exterior Door Caulking		(	Collected:	10/7/2014 1:40:00 PM	Lab ID:	0007	
Method P	arameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A A	roclor-1016	ND	0.93	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A A	roclor-1221	ND	0.93	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A A	roclor-1232	ND	0.93	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A A	roclor-1242	ND	0.93	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A A	roclor-1248	ND	0.93	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A A	roclor-1254	2.6	0.93	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A A	roclor-1260	ND	0.93	mg/Kg	10/15/2014	AB	10/16/2014	EA
3540C/8082A A	roclor-1262	ND	0.93	mg/Kg	10/15/2014	I AB	10/16/2014	EA
3540C/8082A A	roclor-1268	ND	0.93	mg/Kg	10/15/2014	AB	10/16/2014	EA

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit

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@TRC	PC	PCB BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM	AND CH	AIN OF CU	STODY	FORM		
Client Name: NYU	Proj.	Project Name and Address: 370 Jay Street, Brooklyn, NY		Samples Collected By: Dmitriy Khimich	By:	Page:	Page: 1 of 1	
Date: 10-7-14	Req. 1 W.	Requested Turnaround Time: 1 Week		Project Manager. D. Bryant		Project Number: 221253.0000.0000	umber: 900.0000	
		PCB HUL SSAMPLE INFORMATION	ORMATION	Ť				
Bulk Sample ID No.	Коот	Material Name/Use	Location	Floor Quantity Condition	Condition G/D/SD	Date	Time	Notes

GROUND FL-PCB-GGC-01	Exterior	Exterior Garage Gate Caulking	South	CHOOM	POOR	POOR 10-7-14 10:00	00
GROUND FL-PCB-EDC-02	Exterior	Exterior Doors Caulking	East	-	-	.01	10:35
GROUND FL-PCB-PMC-03	Exterior	Marble Panel/Map Frame & Joints Caulking	North/East			1/2	12:30
GROUND FL-PCB-EWC-04	Exterior	Exterior Window Caulking	East			1111	04:11
GROUND FL-PCB-WG-05	Exterior	Window Glazing	East			(://	0
GROUND FL-PCB-EWC-06	Exterior	Exterior Window Caulking/On Top of Glazing	East			12.	12:50
GROUND FL-PCB-DC-07	Exterior	Exterior Door Caulking	North/East	<b>+</b>	<del>)</del>	J 13:	13:40
						20	
						14	-
						ga La	100
						10	
							-

\*PLEASE HOLD SAMPLES PENDING DIRECTION FROM TRC.

BR DAREN, PROCEED WITH AWAYYSTS ON A WILL TRAT 12:56p 10/14/17

3: 48

Special Instruction to Laboratory:
No composite sampling – grab samples only using EPA Method 8082 for the following Arochlors: 1016, 1221, 1232, 1242, 1248, 1254, 1268. Date & Time: Method Of Submittal Fed-Ex
Others
Analyzed By:
Print Name:
Sign: 3.549.0 Field Walk In PORMATION AND LABORATORY INFORMATION CHAIN OF CUSTODY BY Date Time Date Time EPA Method 8082

\* See special instructions box Analytical Method: G-Good, D-Damaged, SD-Significantly Damaged の間、していると dbryant@tresolutions.com Relinguished By: Condition: Email to: (Sign): (Print)



200 Route 130 North, Cinnaminson, NJ 08077

Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn:

**Daren Bryant** TRC Environmental Corporation 1430 Broadway 10th Floor New York, NY 10018

Phone: (212) 221-7822

Fax:

(212) 221-7840

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 10/13/2014. The results are tabulated on the attached data pages for the following client designated project:

221253.0000.0000 / 370 Jay Street, Brooklyn, NY

The reference number for these samples is EMSL Order #011405571. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Reviewed and Approved By:

10/20/2014

Julie Smith - Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted. NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.



200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 858-4571

http://www.EMSL.com EnvChemistry2@emsl.com EMSL Order: CustomerID:

011405571

TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant **TRC Environmental Corporation** 1430 Broadway 10th Floor

New York, NY 10018

Project: 221253.0000.0000 / 370 Jay Street, Brooklyn, NY

Phone:

(212) 221-7822

Fax:

(212) 221-7840

Received:

10/13/14 4:30 PM

<b>Analytical I</b>	Results
---------------------	---------

Client Sample Descr	ription	Staircases C & B- Composite	PCB-WG-01 A, B, C -	(	Collected:	10/10/2014	Lab ID:	0001	
		·				10:15:00 AM			
Method	P	arameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	A	roclor-1016	ND	0.95	mg/Kg	10/15/2014	AB	10/17/2014	EA
3540C/8082A	Α	roclor-1221	ND	0.95	mg/Kg	10/15/2014	AB	10/17/2014	EA
3540C/8082A	Α	roclor-1232	ND	0.95	mg/Kg	10/15/2014	AB	10/17/2014	EA
3540C/8082A	Α	roclor-1242	ND	0.95	mg/Kg	10/15/2014	AB	10/17/2014	EA
3540C/8082A	Α	roclor-1248	ND	0.95	mg/Kg	10/15/2014	AB	10/17/2014	EA
3540C/8082A	Α	roclor-1254	150	4.7	mg/Kg	10/15/2014	AB	10/17/2014	EA
3540C/8082A	Α	roclor-1260	ND	4.7	mg/Kg	10/15/2014	AB	10/17/2014	EA
3540C/8082A	А	roclor-1262	ND	4.7	mg/Kg	10/15/2014	AB	10/17/2014	EA
3540C/8082A	Α	roclor-1268	ND	0.95	mg/Kg	10/15/2014	AB	10/17/2014	EA

Client Sample Description

Staircases D-PCB-WG-02 A, B, C -

Composite

Collected: 10/10/2014

Lab ID: 0002

1:45:00 PM

Method	Parameter	Result F	?L	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND 0.	64	mg/Kg	10/15/2014	AB	10/17/2014	EA
3540C/8082A	Aroclor-1221	ND 0.	64	mg/Kg	10/15/2014	AB	10/17/2014	EA
3540C/8082A	Aroclor-1232	ND 0.	64	mg/Kg	10/15/2014	AB	10/17/2014	EA
3540C/8082A	Aroclor-1242	ND 0.	64	mg/Kg	10/15/2014	AB	10/17/2014	EA
3540C/8082A	Aroclor-1248	ND 0.	64	mg/Kg	10/15/2014	AB	10/17/2014	EA
3540C/8082A	Aroclor-1254	38 3	3.2	mg/Kg	10/15/2014	AB	10/17/2014	EA
3540C/8082A	Aroclor-1260	ND 3	3.2	mg/Kg	10/15/2014	AB	10/17/2014	EA
3540C/8082A	Aroclor-1262	ND 3	3.2	mg/Kg	10/15/2014	AB	10/17/2014	EA
3540C/8082A	Aroclor-1268	ND 0.	64	mg/Kg	10/15/2014	AB	10/17/2014	EA

**Client Sample Description** 

East/North/South-PCB-WG-03 A,B,C -Composite

Collected:

10/10/2014

Lab ID: 0003

11:10:00 AM

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	4.9	mg/Kg	10/15/2014	AB	10/20/2014	TL
3540C/8082A	Aroclor-1221	ND	4.9	mg/Kg	10/15/2014	AB	10/20/2014	TL
3540C/8082A	Aroclor-1232	ND	4.9	mg/Kg	10/15/2014	AB	10/20/2014	TL
3540C/8082A	Aroclor-1242	ND	4.9	mg/Kg	10/15/2014	AB	10/20/2014	TL
3540C/8082A	Aroclor-1248	ND	4.9	mg/Kg	10/15/2014	AB	10/20/2014	TL
3540C/8082A	Aroclor-1254	54	4.9	mg/Kg	10/15/2014	AB	10/20/2014	TL
3540C/8082A	Aroclor-1260	ND	4.9	mg/Kg	10/15/2014	AB	10/20/2014	TL
3540C/8082A	Aroclor-1262	ND	4.9	mg/Kg	10/15/2014	AB	10/20/2014	TL



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http://www.EMSL.com EnvChemistry2@emsi.com

EMSL Order: CustomerID:

011405571

TRCE51

CustomerPO: ProjectID:

Attn: Daren Bryant

**TRC Environmental Corporation** 

1430 Broadway 10th Floor

New York, NY 10018

Project: 221253.0000.0000 / 370 Jay Street, Brooklyn, NY

(212) 221-7822 Phone:

(212) 221-7840 Fax:

Received: 10/13/14 4:30 PM

## **Analytical Results**

Client Sample Description	<ul> <li>East/North/South-PCB-WG-03 A,B,C Composite</li> </ul>	; -		Collected:	10/10/2014	Lab ID:	0003	
					11:10:00 AM			
					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1268	ND	4.9	mg/Kg	10/15/2014	AB	10/20/2014	TL

			12:30:00 PM			
Client Sample Description	West-PCB-WG-04 A,B,C - Composite	Collected:	10/10/2014 12:30:00 PM	Lab ID:	0004	

Method	Parameter	Result	RL Units	Prep Date Analyst	Analysis Date Analy	/st
3540C/8082A	Aroclor-1016	ND	4.4 mg/Kg	10/15/2014 AB	10/20/2014 TL	
3540C/8082A	Arocior-1221	ND	4.4 mg/Kg	10/15/2014 AB	10/20/2014 TL	
3540C/8082A	Aroclor-1232	ND	4.4 mg/Kg	10/15/2014 AB	10/20/2014 TL	
3540C/8082A	Aroclor-1242	ND	4.4 mg/Kg	10/15/2014 AB	10/20/2014 TL	
3540C/8082A	Aroclor-1248	ND	4.4 mg/Kg	10/15/2014 AB	10/20/2014 TL	
3540C/8082A	Aroclor-1254	41	4.4 mg/Kg	10/15/2014 AB	10/20/2014 TL	
3540C/8082A	Aroclor-1260	ND	4.4 mg/Kg	10/15/2014 AB	10/20/2014 TL	
3540C/8082A	Aroclor-1262	ND	4.4 mg/Kg	10/15/2014 AB	10/20/2014 TL	
3540C/8082A	Aroclor-1268	ND	4.4 mg/Kg	10/15/2014 AB	10/20/2014 TL	

### **Definitions:**

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit

QTRC	<u>a</u>	PCB BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM	AND CHA	IN OF CUS	STODY	FORM		
Client Name:	Pro 37(	Project Name and Address: 370 Jay Street, Brooklyn, NY		Samples Collected By: Dmitriy Khimich	IBy:	Page:	i	
Date: 10/10/14	Re	Requested Turnaround Time:		Project Manager: D. Bryant		221253.0000.0000	umber: 000.0000	
The state of the s		PCB BILLK SAMPLE INFORMATION	WFORMATION		ion:			
Bulk Sample ID No.	Room	Material Name/Use	Location	Floor Quantity	Condition G/D/SD	Date	Time	Notes
STAIRCASES C& B-PCB-		Window Glazing	STC	7114	Pook	POOR 10-10-14 10:15	10:15	
STAIRCASES C& B-PCB-		Window Glazing	STC 8TH	8TH				
STAIRCASES C& B-PCB- WG-01 C - COMPOSITE		Window Glazing	STP5 5TH	MTZ				
STAIRCASE D-PCB-WG-02 A		Window Glazing	4-12	ML			13:12	
STAIRCASE D -PCB-WG-02 B		Window Glazing	STD 8TH	8TH			20	
STAIRCASE D -PCB-WG-02 C		Window Glazing	Sy2 grt	gart			4 ()(	à.
EAST/NORTH/SOUTH-PCB-WG-03 A-COMPOSITE		Window Glazing	MOKTH THY	MH			1140	
EAST/NORTH/SOUTH -PCB-WG-03 B-COMPOSITE		Window Glazing	ME HENOS	977			) P	
EAST/NORTH/SOUTH -PCB-WG-03 C-COMPOSITE	CEPT MESS.	LEFT MESS - Combos, it	EAST	A comment			1 3	
WEST-PCB-WG-04 A COMPOSITE	ALL SAMPLES INTO	es (MTO ( > Window Glazing	WEST	7111	_		12:30	
WEST-PCB-WG-04 B	15500	(0) (4) (4-E2 Window Glazing	WEST	418		_		
WEST-PCB-WG-04 C COMPOSITE	D'D	Window Glazing Window Glazing	WEST	gTH g	>	~		

\*PLEASE HOLD SAMPLES PENDING DIRECTION FROM TRC

Condition:		Special	Special Instruction to Laborator	1		in mental	awing Arochlor	1210 1221, 1232, 1242, 1248,
G-Good, D-Danaged, SD-Significantly Danaged	ntly Damaged	1254, 1260.	260.				347-	347-482-1509
		H KOT K	USTOOP	NFORMATION AND LABO	RATORY INF	HMATION		
Refinaulshed Bv:	Date	T T	ime	Received By:	Date	Time	Method Of Submittal	iital
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	Analytical Method:	ē		Lab Comments:	1	1 -1	Analyzed By:	Date & Time:
Email to : dbryant@rcsolutions.com	EPA Method 8082	; suctions box					Print Name: Sign:	

Page 1 Of

\<u>\</u>

9



200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn:

Daren Bryant TRC Environmental Corporation 1430 Broadway 10th Floor New York, NY 10018

Phone: (212) 221-7822 Fax: (212) 221-7840

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 9/2/2014. The results are tabulated on the attached data pages for the following client designated project:

221253.0000.0000 / NYU / 370 Jay Street, Brooklyn, NY

The reference number for these samples is EMSL Order #011404664. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Reviewed and Approved By:

10/27/2014

Julie Smith - Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.

NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

Revised Report- Sample -0005 analyzed at the client's request- Original Report 9/9/14. Sample -0005 analyzed outside of the method hold time.

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.



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EMSL Order: CustomerID: CustomerPO:

ProjectID:

011404664 TRCE51

Attn: Daren Bryant **TRC Environmental Corporation** 1430 Broadway 10th Floor

New York, NY 10018

Project: 221253.0000.0000 / NYU / 370 Jay Street, Brooklyn, NY

Phone:

(212) 221-7822

Fax:

(212) 221-7840

09/02/14 9:30 AM Received:

**Analytical Results** 

Client Sample Des	cription	8/27/14-E Blank Equipment Blank		(	Collected:	8/27/2014 9:40:00 AM	Lab ID:	0001	
Method	Pa	arameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analysi
3580A/8082	Aı	oclor-1016	ND	0.50	mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aı	roclor-1221	ND	0.50	mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aı	roclor-1232	ND	0.50	mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Ai	roclor-1242	ND	0.50	mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aı	roclor-1248	ND	0.50	mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aı	roclor-1254	ND	0.50	mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aı	roclor-1260	ND	0.50	mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	A	roclor-1262	ND	0.50	mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	A	roclor-1268	ND	0.50	mg/Kg	9/5/2014	CF	9/5/2014	TL

Client Sample Description

10THFL-PCB-SUB-WC-01

Substrate Under Exterior Window Frame

Collected:

8/27/2014

Lab ID: 0002

10:30:00 AM

Caulk 0"

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1221	ND		mg/Kg	9/5/2014	AB	9/8/2014	EH
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ND ND		mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1232	ND		mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1242	ND ND		mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1248				9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1254	380		mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1260	ND		mg/Kg				
3540C/8082A	Aroclor-1262	ND		0 0	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1268	ND	50	mg/Kg	9/5/2014	AB	9/8/2014	EH

Client Sample Description

10THFL-PCB-SUB-WC-02

Substrate Under Exterior Window Frame Caulk 1"

Collected:

8/27/2014 10:45:00 AM Lab ID: 0003

					Prep		<b>Analysis</b>	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1254	14	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH



Attn: Daren Bryant

EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

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Phone: (212) 221-7822

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Received:

09/02/14 9:30 AM

**TRC Environmental Corporation** 1430 Broadway 10th Floor New York, NY 10018

Project: 221253.0000.0000 / NYU / 370 Jay Street, Brooklyn, NY

**Analytical Results** 

Client Sample Description		Substrate Under Exterior Window Frame		Collected:	8/27/2014 10:55:00 AM	Lab ID:	0004	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1254	2.5	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
Client Sample Description	10THFL-PCB-SUB-WC-04			Collected:	8/27/2014	Lab ID:	0005	

Client Sample Description

10THFL-PCB-SUB-WC-04

Substrate Under Exterior Window Frame Caulk 6"

Collected:

EMSL Order:

CustomerID:

CustomerPO:

ProjectID:

011404664

TRCE51

11:05:00 AM

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	10/22/2014	AB	10/23/2014	EA
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	10/22/2014	AB	10/23/2014	EA
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	10/22/2014	AB	10/23/2014	EA
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	10/22/2014	AB	10/23/2014	EA
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	10/22/2014	AB	10/23/2014	EA
3540C/8082A	Aroclor-1254	1.8	0.50	mg/Kg	10/22/2014	AB	10/23/2014	EA
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	10/22/2014	AB	10/23/2014	EA
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	10/22/2014	AB	10/23/2014	EA
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	10/22/2014	AB	10/23/2014	EA

Client Sample Description

9THFL-PCB-SUB-WC-05

Substrate Under Exterior Window Frame

Caulk 0"

8/27/2014

Lab ID: 0006

12:40:00 PM

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	49	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1221	ND	49	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1232	ND	49	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1242	ND	49	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1248	ND	49	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1254	420	49	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1260	ND	49	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1262	ND	49	mg/Kg	9/5/2014	AB	9/8/2014	EH



200 Route 130 North, Cinnaminson, NJ 08077 (856) 303-2500 / (856) 858-4571 Phone/Fax:

http://www.EMSL.com EnvChemistry2@emsl.com EMSL Order: CustomerID: CustomerPO: 011404664

TRCE51

ProjectID:

Attn: Daren Bryant

TRC Environmental Corporation

1430 Broadway 10th Floor

New York, NY 10018

Project: 221253.0000.0000 / NYU / 370 Jay Street, Brooklyn, NY

Phone:

(212) 221-7822

Fax:

(212) 221-7840

Received:

09/02/14 9:30 AM

Analy	tical.	Ras	ulte
Allaly	ylicai	Res	นเเธ

Client Sample Description		· =	(	Collected:	8/27/2014	Lab ID:	0006	
	Substrate Under Exterio Caulk 0"	r Window Frame			12:40:00 PM			
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1268	ND	49	mg/Kg	9/5/2014	AB	9/8/2014	EH
Client Sample Description	9THFL-PCB-SUB-WC-0 Substrate Under Exterio Caulk 1"		(	Collected:	8/27/2014 12:55:00 PM	Lab ID:	0007	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analys
3540C/8082A	Aroclor-1016	ND	0.49	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1221	ND	0.49	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1232	ND		mg/Kg	9/5/2014	AB	9/8/2014	EH
	Aroclor-1242	ND	0.49	mg/Kg	9/5/2014	AB	9/8/2014	EH
540C/8082A	Aroclor-1248	ND	0.49	mg/Kg	9/5/2014	AB	9/8/2014	EH
	Aroclor-1254	26	2.5	mg/Kg	9/5/2014	AB	9/8/2014	EH
	Aroclor-1260	ND	2.5	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1262	ND	2.5	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1268	ND	0.49	mg/Kg	9/5/2014	AB	9/8/2014	EH
Client Sample Description	9THFL-PCB-SUB-WC-( Substrate Under Exterio Caulk 3"			Collected:	8/27/2014 1:10:00 PM	Lab ID:	0008	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analys
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	• •	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50		9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1254	1.7	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
						4.0	0/0/0044	
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH

ND

Result

ND

ND

ND

0.50 mg/Kg

RL Units

0.50 mg/Kg

0.50 mg/Kg

0.50 mg/Kg

Collected:

9/5/2014

8/28/2014

8:30:00 AM

Prep

Date

9/5/2014

9/5/2014

9/5/2014

AB

Analyst

CF

CF

CF

Lab ID:

9/8/2014

Analysis

9/5/2014

9/5/2014

9/5/2014

Date

0010

EH

Analyst

TL

TL

TL

Aroclor-1268

Parameter

Aroclor-1016

Aroclor-1221

Aroclor-1232

8/28/14-E Blank

Equipment Blank

3540C/8082A

Method

3580A/8082

3580A/8082

3580A/8082

Client Sample Description



200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 858-4571

EnvChemistry2@emsl.com http://www.EMSL.com

ProjectID:

EMSL Order:

CustomerID:

CustomerPO:

011404664

TRCE51

Attn: Daren Bryant **TRC Environmental Corporation** 1430 Broadway 10th Floor New York, NY 10018

Phone: Fax:

(212) 221-7822 (212) 221-7840

Received:

09/02/14 9:30 AM

Project: 221253.0000.0000 / NYU / 370 Jay Street, Brooklyn, NY

**Analytical Results** 

Client Sample Description	8/28/14-E Blank Equipment Blank		C	ollected:	8/28/2014 8:30:00 AM	Lab ID:	0010	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3580A/8082	Aroclor-1242	ND	0.50	mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aroclor-1248	ND	0.50	mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aroclor-1254	ND	0.50	mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aroclor-1260	ND	0.50	mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aroclor-1262	ND	0.50	mg/Kg	9/5/2014	CF	9/5/2014	TL
3580A/8082	Aroclor-1268	ND	0.50	mg/Kg	9/5/2014	CF	9/5/2014	TL
Client Sample Description	6THFL-PCB-SUB-WC-09 Substrate Under Exterior Wind Caulk 0"	dow Frame	C	ollected:	8/28/2014 8:45:00 AM	Lab ID:	0011	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	25	mg/Kg	9/5/2014	AB	9/8/2014	EH

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	25	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor 1221	ND	25	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1232	ND	25	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1242	ND	25	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1248	ND	25	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1254	340	25	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1260	ND	25	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1262	ND	25	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1268	ND	25	mg/Kg	9/5/2014	AB	9/8/2014	EH

Client Sample Description	6THFL-PCB-SUB-WC-10	Collected:	8/28/2014	Lab ID:	0012
	Substrate Under Exterior Window Frame Caulk 1"		8:55:00 AM		

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.49	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1221	ND	0.49	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1232	ND	0.49	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1242	ND	0.49	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1248	ND	0.49	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1254	14	0.49	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1260	ND	0.49	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1262	ND	0.49	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1268	ND	0.49	mg/Kg	9/5/2014	AB	9/8/2014	EH



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Received:

09/02/14 9:30 AM

10th Floor New York, NY 10018

1430 Broadway

Attn: Daren Bryant

Project: 221253.0000.0000 / NYU / 370 Jay Street, Brooklyn, NY

**TRC Environmental Corporation** 

**Analytical Results** 

Client Sample Descri	iption 6THFL	-PCB-SUB-WC-11		(	Collected:	8/28/2014	Lab ID:	0013	
	Substra Caulk 3	ate Under Exterior Wi 3"	ndow Frame			9:05:00 AM			
Method	Parametei	r	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-10	16	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-12	21	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-12	32	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-12	42	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH

Aroclor-1248 ND 0.50 mg/Kg 9/5/2014 AB 9/8/2014 EΗ 3540C/8082A Aroclor-1254 0.80 0.50 mg/Kg 9/5/2014 AB 9/8/2014 EΗ 3540C/8082A ND 0.50 mg/Kg 9/5/2014 AB 9/8/2014 EΗ 3540C/8082A Aroclor-1260 ND 0.50 mg/Kg 9/5/2014 AB 9/8/2014 EΗ 3540C/8082A Aroclor-1262 ND 0.50 mg/Kg 9/5/2014 AB 9/8/2014 EH Aroclor-1268 3540C/8082A

Client Sample Description

6THFL-PCB-SUB-WC-12

Caulk 6"

Substrate Under Exterior Window Frame

Collected:

8/28/2014

9:15:00 AM

Lab ID:

0014

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1254	0.63	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH

**Client Sample Description** 

5THFL-PCB-SUB-WC-13

Substrate Under Exterior Window Frame

Caulk 0"

Collected:

8/28/2014

Lab ID: 0015

9:30:00 AM

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Anaiyst
method						-		•
3540C/8082A	Aroclor-1016	ND	50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1221	ND	50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1232	ND	50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1242	ND	50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1248	ND	50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1254	640	50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1260	ND	50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1262	ND	50	mg/Kg	9/5/2014	AB	9/8/2014	EH



Method

3540C/8082A

## **EMSL** Analytical, Inc.

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EnvChemistry2@emsl.com http://www.EMSL.com

EMSL Order: CustomerID: CustomerPO: ProjectID:

9/5/2014

9:45:00 AM

10:00:00 AM

AB

9/8/2014

EΗ

011404664 TRCE51

Attn: Daren Bryant **TRC Environmental Corporation** 1430 Broadway 10th Floor New York, NY 10018

Project: 221253.0000.0000 / NYU / 370 Jay Street, Brooklyn, NY

Phone: (212) 221-7822 (212) 221-7840 Fax: 09/02/14 9:30 AM Received:

**Analytical Results** 

Client Sample Description	5THFL-PCB-SUB-WC-13	Collected:	8/28/2014	Lab ID:	0015
	Substrate Under Exterior Window Frame		9:30:00 AM		

Substrate Under Exterior Window Frame

Caulk 0" Analysis Prep Analyst Date Analyst Parameter Result **RL Units** Date

50 mg/Kg

8/28/2014 Lab ID: 0016 5THFL-PCB-SUB-WC-14 Collected: Client Sample Description

ND

Substrate Under Exterior Window Frame

Caulk 1"

Aroclor-1268

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1254	30	2.5	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1260	ND	2.5	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1262	ND	2.5	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH

5THFL-PCB-SUB-WC-15 Collected: 8/28/2014 Lab ID: 0017 Client Sample Description

Substrate Under Exterior Window Frame

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1254	2.1	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	9/5/2014	AB	9/8/2014	EH

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit

l				1711-100	1 00						
	<b>QTRC</b>	ď	PCB BULK SAM	SAMPLE DATA AND CHAIN OF CUSTODY FORM	ND CH	AIN C	P CUS	TODY	FORM		
1	Client Name:	EW.	Project Name and Address:	ET BROOKEYN	7.7	Sample	Samples Collected By	By Cruzic	Page:	ge: 1 of	W
	Date: 8/29/14	Sta	Requested Turnaround Time: Standard / WEEK			Project	Project Manager:  D. KA YAM	4 1	Project 1	lumber:	: 000 000
			PCB	ディPCB BULK-SAMPLE-INFORMATION 金額電流	ORMATION	· · · · · · · · · · · · · · · · · · ·	が記れ	連続を含む		の情報をいるというのでは、	い連続が
	Bulk Sample ID No.	Room	Material Name/Use		Location	Floor	Quantity (L& W)	Condition G/D/SD	Date	Time	Photo 1D No
_	8/27/14 - EBLANK	ľ	604 Duerr	RLANK		1	1	1	WHEE/8	0360	
4	10THFL-PCR-5UB-WC-01	mc-01	SVESTRATE	UNDER EXTERIOL	SCAFFOLD	0/	334	P	4	1030	
			WINDOW FRAME CAULK	AULK O"	-						
2	1074FL-RB-5UZ-WC	1c - 02	_	UNSER EXTERIA		0/	365	0	-	1095	
			WINDOL FARME	CAULK I"							
7	10770 - PEB-5UR-WC	-1	21.75	INUTER EXPERIES		0/	255	<		5501	
	\$		WINDOW FRAME	E CAULK 311						2	L
×	JOTHEL-PCB-SUR-	WC - 0	4 SUBSTANE	UNJER EXPERIOR		01	342	~		/BB/-	H
1			WINDOW FARME	- CAV						AU(	Lì
79	9771-128-54R-4C	20 -	was	WHER. EXTERIOR		6	275	9		1250	
			Window France	PAME CAULT 0"						T V	Ħ.
-	974FL-PCB-54B-WC	70 -	SURSTAME	UNDER GYPRIA		6	375	0		Fiss	7.
			WINDOW FRAME	FRANE CAUK I"						3: 4	
00	9777 P P.23 - 543-44	20-5	SUBSTANTE UNS	UNDER EXTERIOR		5	358	~	-	0/5	
			WINDOW FRAME	CAULK 3"	>				>		
1.4.	* PLENJE HOLD OF	OFF AN	ANALTSIS UMIL	DIRECKED RY	mc (	10 (3)	21/27/2				
	Condition: G-Good, D-Damaged, SD-Significa	SD-Significantly Dumaged		Special Instruction to Laboratory: Composite A, B, C samples AO Composite A, B, C samples of each homogeneous minerial from equal mass portions (±5%) of the three (3) subsamples for extraction and analysis via EPA Method 8082 for the following Arochlors: 1016, 1221, 1232, 1242, 1248, 1250.	Coffee of the Co	GAAB werial from	SAMILES equal mass p ilors: 1016, 13	900 y 000 y 000 y 000 (± 5	%) of the thre 242, 1248, 12:	8/26/17 Iree (3) subsan 1254, 1260.	ples for
_			CHAIN OF CUSTODY INFORMATION AND BABORATOR WINFORMATION STRIPS	NFORMATION'ANDIE	A BORATOR	V-INTOR!	MATION	· · · · · · · · · · · · · · · · · · ·	STATE OF STATE OF	3	一种的特殊等等
	Relinquished By: C. Mac Loo	70	Date Time		00	1/10	Time	Method Of Submittal	mittal		
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	II. (Print):			-1-1-	100	크	TOENO	"Fed-Ex			
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Page 1 Of

@TRC	PCB BULK SAMF	SAMPLE DATA AND CHAIN OF CUSTODY FORM	ND CHA	ONI	= CUS	TODY	FORM	
Client Name:	Project Name and Address:	ST, BROYCH	1.11	Samples O. Z.	Samples Collected By O. MAAK OV	. ~	KHIMICH Page:	N 30
Date: 8/25/14	Requested Turnaround Time: Stundard / WEE/K			Project	Project Manager:		Project Number: 221257. 00	nber: , <i>Docd</i> ), 40 40
	PCB·B	PCB BULK SAMPLE INFORMATION 公司 政治的	ORMATION	である	100	THE PARTY OF THE	1.4.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	A SHAPER
Bulk Sample ID No.	Room Material Name/Use		Location	Flaor	Quantity (L & W)	Condition G/D/SD	Date	Time Photo
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12 GAMPL-PCE-SVE-WO	-10 LUBITARIE	UNDER EXPERSE		9	365	Q		25.80
	Window	FRAME CAULK I"						
13 KAMEL-PCB-SUB-WC	- 11 LUBSTATE UNGA	EN EYENIG		9	275	~	20	2850xCI
	7	CAULK 7"					u a	із <u>і</u> 5 Л
JU KATEL PCR- SUR-WC	- 12 SUBSTRA	ER EFFERICK		2	325	Z	115	1966
3	LINDOW FRAME	MAKE CAULK 6"					29	Hi CE
5mp - 100 - 500-	1/2	EXPERI		4	32.6	0	72	0830;
	Window Faxue	- CHULK O"					3	
11 CTMFL -PCB - SUR-WL-	14	ER EYERIN		4	319	0	48	2450
	WINDOW FRAME	3			0		^	
& PLEMSE TOOLD ON	OFF ANGLYSIS UNTIL	haecred	BY TRC	(83)	41/37/3	41)		
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	CHAIN OF CUSTODY INFORMATION AND LABORATORY INFORMATION REPRESENTATION AND LABORATORY INFORMATION AND LABORA	extraction and analysis wa EPA meniod 8002 for the phonying Arabidos: 1910, 1221, 1222, 1242, 12	ABORATORY	INFORM	IATIONAL	大大大大	1	TOTAL LABOR.
shed By:		Received By:	to Duke	T // C	Time N	Method Of Submitted	mitted.	
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II. (Print):						Fed-Ex		
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derangthesolain. ar	EPA Method 8082				15/0	Print Name:		
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<b>ETRC</b>	4	ASBESTOS BULK	SAMPLE DATA AND CHAIN	ATAA	IND CHAI	5 >		
lieni Name:		Project Name: 39-0 GAY Inter	Date: 8/29/14	4	Sample	Samples Collected By:  O. MARKOV (B. KHIMICH	FMIMICH	2 of 2
		round FE			Project	Project Manager:		Project Number:
BULK S	SHIPLE 16 . NO. A.	PCT ASBESTOS BUEKISAMPUEINKORMATION	S BUEK SAMPLER	INFORMER	1	11/5-11P		Photo Number/
- Teller	Sample Identification	Material Descri	ption	Floor	-Witte	Quantity	(G, D, SD)	Time
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or same was to			Lab Commercia			Print Name	Date of 1	me:
	E	いなくなり				Sient		



200 Route 130 North, Cinnaminson, NJ 08077

hone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn:

Daren Bryant TRC Environmental Corporation 1430 Broadway 10th Floor New York, NY 10018

Phone: (212) 221-7822 Fax: (212) 221-7840

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 10/24/2014. The results are tabulated on the attached data pages for the following client designated project:

## 2212253

The reference number for these samples is EMSL Order #011405879. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Reviewed and Approved By:

10/30/2014

Julie Smith - Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted. NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.



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http://www.EMSL.com

EnvChemistry2@emsl.com

EMSL Order: CustomerID:

011405879

TRCE51

CustomerPO: ProjectID:

**Daren Bryant TRC Environmental Corporation** 1430 Broadway 10th Floor New York, NY 10018

Project: 2212253

Phone:

(212) 221-7822

Fax:

(212) 221-7840

Received:

10/24/14 8:30 AM

**Analytical Results** 

Client Sample Description	on 102214-RS-01A,01B Coping Stone/Parape		(	Collected:	10/22/2014 9:00:00 AM	Lab ID:	0001	
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND (	0.79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1221	ND (	0.79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1232	ND (	0.79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1242	ND (	0.79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1248	ND (	0.79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1254	1.6	0.79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1260	ND	0.79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1262	ND	0.79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1268	ND	0.79	mg/Kg	10/24/2014	AB	10/28/2014	EH

Client Sample Description

102214-RS-02A,02B,02C

Coping Stone/Parapet Caulk Stair "C" Roof 15th FI

Collected:

10/22/2014

Lab ID: 0002

9:00:00 AM

Analysis Prep Parameter Result RL Units Date **Analyst** Date Analyst Method 10/24/2014 10/28/2014 AB EΗ ND 0.83 mg/Kg 3540C/8082A Aroclor-1016 ND 10/24/2014 AB 10/28/2014 EΗ 0.83 mg/Kg 3540C/8082A Aroclor-1221 ND 0.83 mg/Kg 10/24/2014 AB 10/28/2014 EΗ Aroclor-1232 3540C/8082A ND 0.83 mg/Kg 10/24/2014 AB 10/28/2014 EΗ 3540C/8082A Aroclor-1242 10/28/2014 Aroclor-1248 ND 0.83 mg/Kg 10/24/2014 AB EH 3540C/8082A 10/24/2014 AB 10/28/2014 EΗ 1.3 0.83 mg/Kg Aroclor-1254 3540C/8082A AB 10/28/2014 ΕH ND 0.83 mg/Kg 10/24/2014 3540C/8082A Aroclor-1260 0.83 mg/Kg ND 10/24/2014 AB 10/28/2014 EΗ 3540C/8082A Aroclor-1262 10/24/2014 ΑB 10/28/2014 EΗ ND 0.83 mg/Kg 3540C/8082A Aroclor-1268

Client Sample Description

102214-RS-03A,03B,03C

Coping Stone/Parapet Caulk Stair C

Setback 7th FI

Collected:

10/22/2014

Lab ID: 9:00:00 AM

0003

					Prep		Analysis	
Method	Parameter	Result	RL	Units	Date	Analyst	Date	Analyst
3540C/8082A	Aroclor-1016	ND (	).79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1221	ND (	).79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1232	ND (	).79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1242	ND (	).79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1248	ND (	).79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1254	3.6	).79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1260	ND (	0.79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1262	ND 6	0.79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1268	ND 0	0.79	mg/Kg	10/24/2014	AB	10/28/2014	EH



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http://www.EMSL.com

EnvChemistry2@emsl.com

CustomerID:

011405879 TRCE51

CustomerPO: ProjectID:

EMSL Order:

Attn: Daren Bryant **TRC Environmental Corporation** 1430 Broadway 10th Floor New York, NY 10018

Project: 2212253

Phone:

(212) 221-7822

Fax: Received: (212) 221-7840 10/24/14 8:30 AM

**Analytical Results** 

Client Sample Des	cription	102214-RS-04A,04B,0- Coping Stone/Parapet		(	Collected:	10/22/2014 9:00:00 AM	Lab ID:	0004	
Method	P	arameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	А	roclor-1016	ND	0.79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	А	roclor-1221	ND	0.79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Α	roclor-1232	ND	0.79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	А	roclor-1242	ND	0.79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Α	roclor-1248	ND	0.79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Α	roclor-1254	6.2	0.79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Α	roclor-1260	ND	0.79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	А	roclor-1262	ND	0.79	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	А	roclor-1268	ND	0.79	mg/Kg	10/24/2014	AB	10/28/2014	EH

Client Sample Description

102214-RS-05A,05B,05C

Coping Stone/Parapet Caulk Roof Setback SW 2nd FI

Collected: 10/22/2014

9:00:00 AM

Lab ID: 0005

Method	Parameter	Result	RL	Units	Prep Date		Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND (	08.0	mg/Kg	10/24/2	014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1221	ND (	08.0	mg/Kg	10/24/2	014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1232	ND (	08.0	mg/Kg	10/24/2	014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1242	ND (	08.0	mg/Kg	10/24/2	014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1248	ND (	08.0	mg/Kg	10/24/2	014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1254	7.4	08.0	mg/Kg	10/24/2	014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1260	ND (	08.0	mg/Kg	10/24/2	014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1262	ND (	08.0	mg/Kg	10/24/2	014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1268	ND (	0.80	mg/Kg	10/24/2	014	AB	10/28/2014	EH

Client Sample Description

102214-RS-06A,06B,06C

Coping Stone/Parapet Caulk Roof conc mezz

Collected:

10/22/2014

Lab ID: 0006

9:00:00 AM

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.81	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1221	ND	0.81	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1232	ND	0.81	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1242	ND	0.81	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1248	ND	0.81	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1254	5.1	0.81	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1260	ND	0.81	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1262	ND	0.81	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1268	ND	0.81	mg/Kg	10/24/2014	AB	10/28/2014	EH



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EMSL Order: CustomerID: CustomerPO: 011405879

TRCE51

(212) 221-7822 (212) 221-7840

10/24/14 8:30 AM

Attn: Daren Bryant

TRC Environmental Corporation 1430 Broadway

10th Floor New York, NY 10018

Project: 2212253

**Analytical Results** 

Phone:

Received:

Fax:

Client Sample Des	cription	102214-RS-07A,07B,07 Coping Stone/Parapet Fl		(	Collected:	10/22/2014 9:00:00 AM	Lab ID:	0007	
Method	P	arameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	А	roclor-1016	ND (	).82	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	А	roclor-1221	ND (	.82	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	А	roclor-1232	ND (	).82	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	А	roclor-1242	ND (	0.82	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Α	roclor-1248	ND (	).82	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	А	roclor-1254	0.99	).82	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Α	roclor-1260	ND (	).82	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	А	roclor-1262	ND (	0.82	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	А	roclor-1268	ND (	0.82	mg/Kg	10/24/2014	AB	10/28/2014	EH

Client Sample Description

102214-RS-08A,08B,08C

Coping Stone/Parapet bottom layer N-Roof

Collected:

10/22/2014

Lab ID: 0008

9:00:00 AM

	7th FI	•						
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	1.0	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1221	ND	1.0	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1232	ND	1.0	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1242	ND	1.0	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1248	ND	1.0	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1254	1.1	1.0	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1260	ND	1.0	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1262	ND	1.0	mg/Kg	10/24/2014	AB	10/28/2014	EH
3540C/8082A	Aroclor-1268	ND	1.0	mg/Kg	10/24/2014	AB	10/28/2014	EH

# **Definitions:**

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit

QTRC	PC	PCB BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM	SAMF	LE D.	ATA A	IND CH	AINC	OF CUS	STODY	FORM		
Client Name: NYU	Proje 370 J	Project Name and Address: 370 Jay Street Brooklyn NY	Idress: Iyn NY				Sample R. Shu	Samples Collected By R. Shuler/D. Khimich	. By iich	Page:	of 7	4
Date:	Requ	Requested Turnaround Time:	nd Time:				Project	Project Manager:		Project Number:	umber:	
10/20/14	l wer	sk					خ	Bryant	+	122	22 1225	
			P. P.CH. R.	DEPOSITE OF	TETER LT	THE PARTY						
Bulk Sample ID No.	Room	Material Name/Use	Use			Location	Floor	Quantity (L&W)	Condition G/D/SD	Date	Time	Photo ID No.
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Condition: G-Good, D-Damaged,	Condition: G-Good, D-Damaged, SD-Significantly Damaged	Speci	Special Instruction to Laboratory: Composité A, B, C samples Create one (1) composite sample	Laboratory: amples osite sample of eac	th homogeneou	material from	m eaual mas	ss portions (+ 5%	Special Instruction to Laboratory: Composité A, B, C samples Create one (1) composite sample of each homogeneous material from eaual mass portions (+ 5%) of the three (3) subsamples for	es for
		extra	ction and analy	isis via EPA Metho	od 8082 for the	Collowing Aro	chlors: 1016	5, 1221, 1232, 12,	extraction and analysis via EPA Method 8082 for the following Arochlors: 1016, 1221, 1232, 1242, 1248, 1254, 1260.	
		CHAINO	CUSTODY	WORN'S FIGHT	NOTE AREA	UPATENTO	REPUBLICA			STATES
Relinquished By:		Date	Time	Received By:	1	Date ,	Time	Method Of Submittal	ittal	
1 (Print)				6. 501	6. BOWWANT	10/22/14 9:30 pm Field	9:30 pm	Field		
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(Sign).				A A	RECUIN DRAKING	1 1 13		Others		
	Analytical Method:	ethod:		Lab Comments:				Analyzed By:	Date & Time:	
								Print Name:		
	EPA Method 8082  * See special instructions b	8082 nstructions	box					Sign:		

PLASOVIA

QTRC	PCB BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM	ND CH	IIN OF C	USTODY	FORM		
Client Name: NYU	Project Name and Address: 370 Jay Street Brooklyn NY		Samples Collected By R. Shuler/D. Khimich	ected By Khimich	Pag	Page:	7
Date: 10/20/14	Requested Turnaround Time:  1 week		Project Manager:	ger:	Project Number:	Project Number:	
		618. VIII 1218	プログ	となっ			
Bulk Sample ID No.		Location	Floor Quantity	tity Condition W) G/D/SD	Date	Time	Photo ID No.
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# APPENDIX B ENCAPSULANT SPECIFICATION SHEET

Product Data Sheet Edition 5.27.2011 Sikagard 670W Clear

# Sikagard® 670W Clear Water-based, 100% acrylic, protective coating

Description	Sikagard 670W Clear is a clear, water-based acrylic protective coating. Sikagard 670W Clear prevents moisture ingress, is water vapor permeable, and provides an excellent carbonation barrier.
Where to Use	Protective coating for exposed aggregate surfaces, concrete, masonry and brick. Application on vertical, overhead and Horizontal (non-traffic bearing) surfaces.
Advantages	<ul> <li>Provides resistance to weathering, frost and de-icing salts.</li> <li>Improves look of structure without changing appearance.</li> <li>Excellent adhesion.</li> <li>High UV light resistance.</li> <li>Excellent resistance to carbon dioxide and other aggressive gas diffusion.</li> <li>Water vapor permeable (breathable).</li> <li>Easy application by brush, roller or spray.</li> <li>Resistant to dirt pick-up.</li> <li>Prevents ingress of chlorides.</li> <li>Cost-effective protection.</li> </ul>
Coverage	Theoretical per coat: 160 sq. ft./gal. Wet film thickness: 10 mils. Dry film thickness: 2.3 mils.  All coverage is dependent on porosity of substrate. In addition, allowance must be made for surface profile. Unavoidable variation in application thickness, loss and waste.  Normal coating system is one coat minimum at a total nominal dry film thickness of 2.3 mils. The total number of coats depends on the porosity of the substrate. On very porous substrates, two coats will typically be required.
Packaging	5 gallon, re-closable plastic pails.

# Typical Data (Material and curing conditions at 73°F (23°C) and 50% R.H.)

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

**Shelf Life** 1 year in original, unopened container.

Storage Conditions Store dry at 40°-95°F (4°-35°C). Condition material to 65°-75°F

(18°-24°C) before using. Protect from freezing. If frozen, discard.

Pot Life Indefinite, provided proper care is taken in protecting the system

from moisture, freezing, contamination, or evaporation.

23% by volume

Viscosity 117-123 ku VOC Content 193 g/L

**Solids Content** 

Waiting and Drying Times at 2.3 mils, Dry

Between Coats Rain Resistant After/Final Drying

45°F (7°C) approx. 70 min. approx. 3 hours

68°F (20°C) approx. 60 min. approx. 1 hour and 15 min.

85°F (30°C) approx. 15 min. approx. 1 hour

### Water Resistance (Cure Time = 1, 3, and 7 days) at 2.3 mils, Dry

ASTM D-2247: very good resistance to whitening (ASTM score = 8, where 10 is perfect)

ASTM D-714: No blisters (ASTM score = 10, where 10 is none)

Moisture Vapor Permeability (ASTM D-1653) at 2.3 Mils, Dry 7.72 perms

# Water Spotting (Tested at 3 hr., 1, 2, 3, and 7 days)

ASTM D-1848: Very good resistance to whitening

(ASTM score = 8, where 10 is perfect)

# Water Vapor Transmission (at 2.3 mils=55.2 microns dry film thickness)

 $\mu$  - value H<sub>2</sub>O (diffusion coefficient) = 10,300

Sd H<sub>2</sub>O (equivalent air thickness) = 6 ft. (1.70 m.)

# Carbon Dioxide Diffusion (at 2.3 mils=55.2 microns dry film thickness)

 $\mu$  - value  $CO_2$  (diffusion coefficient) = 631,000

Sd CO<sub>2</sub> (equivalent air thickness) = 226 ft. (69 m.)

Sc (equivalent concrete thickness) = 7 in. (17 cm.)



How to Use	
Surface Preparation	All surfaces to be coated must be dry, clean, sound and frost-free with curing compound residues and any other foreign matter removed. An open textured sandpaper-like surface is ideal (CSP 3 as per ICRI guidelines). Where necessary, surfaces should be prepared mechanically by blast cleaning or high pressure waterjetting. Bugholes, cracks or irregularities of substrate should be filled and leveled with SikaTop, Sika MonoTop leveling mortar as appropriate.
Mixing	Stir thoroughly to ensure uniformity using a low speed (400-600 rpm) drill and Sika paddle.
Application	Any areas of glass or other surfaces should be masked. Recommended application temperatures (ambient and substrate) 45°-95°F (5°-35°C). Sikagard 670W Clear can be applied by brush, roller, or spray over entire area moving in one direction. Sikagard 670W Clear is usually applied using a short nap roller. Allow a minimum of 60 minutes prior to re-coating. At lower temperatures and high humidity, waiting time will be prolonged. At higher temperatures, work carefully to maintain a 'wet' edge. As with all coatings, jobsite mock-ups should always be completed to confirm acceptability of workmanship, material and aesthetics.
Limitations	<ul> <li>Not designed for use as a traffic-bearing surface.</li> <li>Substrate must be dry prior to the application. Allow sufficient time for the substrate to dry after rain or other inclement conditions, as this could cause bonding problems. A white haze may develop if moisture is trapped behind the coating.</li> <li>Minimum age of normal concrete prior to the application is 14 days, depending on curing and drying conditions. Substrate must be strong enough to properly prepare by mechanical means, achieving a sandpaper-like surface (CSP 3 as per ICRI guidelines).</li> <li>Sikagard 670W Clear should not be applied at relative humidities greater than 90%, or if rain is forecast within the specified rain resistance period.</li> <li>Do not thin.</li> <li>Do not apply if the ambient and substrate temperature are within 5°F (3°C) of the dew point temperature.</li> <li>Minimum age of SikaTop or Sika MonoTop thin layer renderings is 3 days prior to the application of Sikagard 670W Clear.</li> <li>Do not use over moving cracks.</li> <li>Product must be protected from freezing. If frozen, discard.</li> <li>During application, regular monitoring of wet film thickness and material consumption is advised to ensure that the correct layer thickness is achieved.</li> <li>When over-coating existing coatings, compatibility and adhesion testing is recommended.</li> <li>Do not store Sikagard 670W Clear in direct sunlight for prolonged periods.</li> </ul>
Caution	
Warning	Avoid breathing vapors. Use only with adequate ventilation. May cause respiratory irritation and headaches.
Irritant	Skin, eye, and respiratory irritant; avoid contact. Use of safety goggles and chemical resistant gloves is recommended. Remove contaminated clothing.
First Aid	In case of eye contact, flush with water for 15 minutes, contact physician immediately. For skin contact, wash skin with soap water. For respiratory problems, remove person to fresh air. Wash clothing before re-use.
Spill Clean Up	Confine spill, ventilate closed areas, and collect with absorbent material. Dispose of in accordance

KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY

with current, applicable, local, state, and federal regulations. Uncured material can be removed

All information provided by Sika Corporation ("Sika") concerning Sika products, including but not limited to, any recommendations and advice relating to the application and use of Sika products, is given in good faith based on Sika's current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Sika's instructions. In practice, the differences in materials, substrates, storage and handling condiand applied under normal conditions in accordance with Sika's control are such that Sika assumes no liability for substrates, storage and nandling conditions, actual site conditions and other factors outside of Sika's control are such that Sika assumes no liability for the provision of such information, advice, recommendations or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations or instructions related to its products. The user of the Sika product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with the full application of the product(s). Sika reserves the right to change the properties of its products without notice. All sales of Sika product(s) are subject to its current terms and conditions of sale which are available at www.sikausa.com or by calling 800-933-7452.

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LIMITED WARRANTY: Sika warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Technical Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. NO OTHER WARRANTIES EXPRESSOR IMPLIED SHALL APPLYINCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKASHALL NOTBELIABLE UNDER ANY LEGAL THEORY FOR SPECIAL CONSEQUENTIAL DAMAGES. SIKASHALL NOTBERESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.

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1-800-933-SIKA NATIONWIDE

Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Phone: 800-933-7452 Fax: 201-933-6225

Sika Canada Inc. 601 Delmar Avenue Pointe Claire Quebec H9R 4A9 Phone: 514-697-2610 Fax: 514-694-2792

water. Cured material can only be removed mechanically.

Sika Mexicana S.A. de C.V. Carretera Libre Celaya Km. 8.5 Fracc. Industrial Balvanera Corregidora, Queretaro C.P. 76920

Phone: 52 442 2385800 Fax: 52 442 2250537

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# MAINTENANCE AND MONITORING IMPLEMENTATION PLAN

# 370 JAY STREET BROOKLYN, NEW YORK

Site Location

370 JAY STREET BROOKLYN, NY 11201

Prepared For



10 Astor Place, 6<sup>th</sup> Floor New York, New York 10003

Prepared By



TRC Environmental Corporation

1430 Broadway, 10<sup>th</sup> Floor New York, New York 10018

**September 22, 2015** 

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# **FIGURES**

- 1 Site Location Drawings (PCB 105.00-108.00)
- 2 PCB Window Encapsulation Details Typical Window Sill, Jamb and Header (PCB 109.00)

# 1.0 INTRODUCTION

TRC Environmental Corporation (TRC) has prepared this Maintenance and Monitoring Implementation Plan in accordance with the Toxic Substances Control Act (TSCA), on behalf of New York University (NYU). This plan presents the monitoring and maintenance activities that will be conducted to assess the long-term efficacy of the encapsulant applied, as an interim measure, to exterior limestone substrate after the removal of the associated window frame caulk identified as containing polychlorinated biphenyls (PCBs) at concentrations ≥ 50 parts per million (ppm).

# 1.1 Background

The Site was the former MTA headquarters with an original certificate of occupancy by the New York City Department of Buildings in 1951 for the New York City Transit Authority. It is a fourteen story building with three (3) mechanical penthouse floors (fifteenth, sixteenth, and sixteenth floor plenum floors). The building consists of approximately 460,000 square feet of offices and workshops above ground in an L-shaped layout. The building located along Jay Street from Willoughby Street at the south to Renaissance Plaza at the north, then west to Pearl Street Extension. Two (2) exterior ground floor arcades on the north and south ends of the Jay Street provide stair, escalator and elevator access to the Jay Street-Metrotech subway station below and provide access to the building entrances. Below-grade, part of the building footprint is occupied by the subway station. The remaining space is primarily parking, storage and building service areas on two levels accessible on the north side, with five levels of accessible storage from the south side, and additional dedicated areas used for subway/police communications to be reserved for MTA operations essential to subway service below.

The subject building was constructed in 1951 and remains intact and primarily unrenovated with the exception of the fourteenth floor of the main portion of the building. Interior walls are constructed primarily of plaster and drywall with concrete floors and ceilings. Support columns and beams are constructed of structural steel and reinforced concrete and the façade is primarily bare limestone with metal windows. Four (4) sets of fire staircases are situated in the subject building core, adjacent to a bank of elevators that serve the structure as well as along northwest corner of the building. An external stair tower is located on the southwest side of the building. NYU is planning a gut

renovation of the entire building including replacement of approximately 1,100 exterior windows and 64 exterior doors. The total NYU gross building renovation area will be approximately 460,000 SF. NYU intends to use the building for classrooms and office space.

GZA Environmental Inc. (GZA) conducted a hazardous materials inspection in conjunction with a Phase I Environmental Site Assessment in May and June 2012. GZA concluded that PCB window caulking with PCB concentrations > 50 ppm is not authorized for use according to EPA, and must be disposed of as PCB bulk product waste according to 40 CFR 761.62. PCB remediation waste (porous facade stone) contaminated by the surrounding window caulking is subject to the cleanup and disposal requirements of 40 CFR 761.61. A subsequent investigation consisting of supplemental asbestos and PCB sampling was conducted by ALC Environmental (ALC) in April and May 2014. The sample summary table and laboratory results from ALC and Phoenix Environmental Laboratories, Inc. identify PCB caulk (>50 ppm) around the windows on the third through thirteenth floor elevations on the north, south, east or west facades ranging from 82 ppm to 97,000 ppm. There was also one (1) sample collected from a window on the fourteenth floor elevation (no indication on which façade it was collected) which had a concentration of 5,300 ppm. Caulk samples collected from the first floor, second floor and roof parapet and roof facade had PCB concentrations below 50 ppm.

As a result of the findings from both the GZA and ALC investigations, TRC was requested by NYU to perform additional quality assurance sampling of caulk materials, perform a detailed caulk substrate characterization, and develop a remedial approach for the ACM/PCB window caulk at 370 Jay Street in Brooklyn, New York. A total of 148 representative samples were collected from multiple elevations, covering all of the facades, and submitted for PCB laboratory analysis, as summarized below:

- 14 exterior window frame caulk samples;
- 5 window glazing samples;
- 5 exterior door frame caulk samples;
- 8 parapet caulk samples;
- 113 limestone samples; and
- 3 stucco samples.

Based on PCB investigations performed by GZA, ALC, and TRC, NYU has decided to remediate the exterior window frame caulk/glaze classified as PCB Bulk Product Waste, by removing and disposing of the caulk/glaze and window components together as part of building renovation activities. NYU will also encapsulate the surrounding exterior limestone substrate impacted by PCBs 25ppm or greater, between the second floor and the fourteenth floor utilizing Sikaguard 670W, a water dispersed, clear, acrylic, protective coating.

# 2.0 INSPECTION AND MONITORING ACTIVITIES

Inspection and monitoring activities will be conducted to monitor, over time, the efficacy of the remedy for PCB-containing exterior limestone encapsulated through the application of Sikaguard 670W. The proposed locations of the encapsulated materials are depicted on Figures PCB 105.00-108.00.

As discussed in the Interim Measures Plan, the evaluation of the effectiveness of the Interim Measures will be accomplished through:

- Visual inspection;
- Encapsulated Surfaces Wipe Samples To be collected from the encapsulant to assess the concentrations of PCBs on the surface of the encapsulating barrier; and
- Indoor Air Samples to assess post Interim Measure concentrations as to the efficacy of the encapsulation in regard to indoor air levels.

The frequency of the three (3) components described above may be adjusted and will be determined by the effectiveness of the remediation method.

# 2.1 Visual Inspections

Visual inspections of the encapsulated surfaces will be conducted between the second and fourteenth floors. Beginning six (6) months following the completion of the confirmatory wipe sampling, NYU will perform an inspection of encapsulated surfaces, focusing on those areas that would be directly accessible to building maintenance personnel. The inspections will

be visual in nature, and will be intended to confirm that the coated surfaces are in good condition. The inspector will visually observe representative coated surfaces at the Site. Evidence of deterioration of the encapsulant, including wear, chipping, or flaking, will be noted.

If encapsulant deterioration (minor chipping, flaking, or wear spots) are noted through the visual inspection, NYU will arrange to have those areas re-coated with a double layer of the appropriate product.

Following the inspection (and appropriate response actions, as needed) at the three (3) year mark, an additional inspection procedure shall be performed at the five (5) year mark.

The inspections, and any necessary repairs to the coated surfaces, will be documented on an official inspection form, and the forms will be maintained for the life of the building, or until the PCB contaminated material is removed. The inspection form, along with a cover letter outlining any repair of the coated surfaces NYU intends to undertake, will be maintained.

Upon evaluation of the three (3) and five (5) year inspections, a re-evaluation of long term monitoring shall be presented to EPA to determine whether or not additional long term monitoring will need to be performed.

# 2.2 Wipe Sampling

To confirm that the encapsulant meets performance requirements, wipe sampling will be performed at locations potentially accessible to building maintenance personnel. Wipe samples will be collected immediately adjacent to (within 6 inches of the caulk line) where PCB Bulk Product Waste caulking was removed. The wipe sampling will be conducted after the encapsulant has cured.

Wipe samples will be collected per standard wipe test protocols in accordance with 40 CFR 761.123. Gauze pads which are pre-moistened with hexane, or other appropriate wetting agent, shall be used to collect wipe samples. A one-use template or site specific outline will be used to delineate a 100 cm<sup>2</sup> sampling area. Wipes shall be collected within the sampling area by first wiping in an "S" like motion side to side, followed by folding the wipe media inwards and then wiping the sampling area in an "S" like motion up and down. The wipe

media shall then be placed in a glass jar with a Teflon covered lid for transportation in a cooler where they will be analyzed at a state-certified laboratory for PCBs via EPA Method 8082 and extracted via EPA Method 3540C.

The encapsulant will be shown to be performing adequately if all wipe samples have concentrations of less than 100  $\mu$ g/100 cm<sup>2</sup>. This level was selected because the encapsulant will form a non-porous surface after application. The following confirmatory wipe sampling program is proposed:

- Four (4) exterior wipe samples (per floor) representing all facades
- One (1) trip blank sample for laboratory quality control purposes, per sampling event
- One (1) duplicate sample for laboratory quality control purposes, per sampling event

In total, a minimum of 56 surface samples (in addition to the quality assurance trip and duplicate samples referenced above) will be submitted for laboratory analysis.

If any of the confirmatory wipe samples indicates a PCB concentration greater than 100  $\mu g/100 \text{ cm}^2$ , and depending upon the extent of the exceedance, and with input from the EPA, NYU will prepare a more detailed site specific risk assessment to determine if the exposure pathway is complete and if the 100  $\mu g/100 \text{ cm}^2$  action level is appropriate or if recoating and re-sampling is appropriate.

A specific sampling plan including exact locations, schedules, and sketches shall be provided to EPA at a later date for approval to address the long term monitoring following building occupancy.

It is anticipated that following the wipe sampling at the six (6) month mark (after initial encapsulant application and appropriate response actions, as needed), additional wipe sampling shall be performed at the three (3) and five (5) year mark.

Upon results of these inspections at the six (6) month mark, three (3) year mark, and five (5) year mark, a reevaluation of long term monitoring requirements will be discussed with EPA to determine whether or not additional sampling shall be performed.

# 2.3 Indoor Air

Following completion of renovation activities and as part of commissioning of the building, PCB air samples will be collected inside the building. As it is not anticipated that the confirmatory post-remediation indoor air samples will exceed the EPA's public health target of 500 nanograms per cubic meter (ng/m³) value for adults, one round of air samples will be collected. However, if the confirmatory post-remediation indoor air samples are in exceedance, then additional indoor air sampling will be conducted on an annual basis until two successive rounds are found to be below the criteria.

Samples will be collected using a Polyurethane Foam (PUF) Media cartridge following EPA Method TO- 10A, Determination and PCBs in Ambient Air Using Low Volume. Samples will be submitted for PCB analysis by EPA Method 680 Modified. The PUF cartridges will be attached to a stand located in the middle of the room being sampled and at a height of approximately 3-5 feet above the floor. The pumps will be calibrated to draw air through the cartridges at an approximate flow rate of five (5) liters per minute for approximately seven (7) hours each. A total of 52 samples from the following locations will be included the program: (four (4) samples per floor from second floor through 14th floor, and one (1) sample at the sixteenth floor). Samples will be collected from two classroom spaces, an office space, and a common area for each of these floors, with the exception of the sixteenth floor where the space is utilized as a mechanical space not accessible to general building occupants. Five (5) duplicate samples will be collected as part of the overall project QA/QC measures.

Upon receipt of the analytical results and data validation, the sample data will be compared to the action levels as described below and documented in the report submitted to EPA. This report will include a recommendation for continuing or refining the sample frequency based on the results.

# 3.0 ACTION LEVELS AND CORRECTIVE MEASURES

Based on a review of the products' technical specifications and applied locations (exterior limestone substrate), it is not anticipated that the encapsulant will require any additional or routine maintenance activities other than potential corrective measures that may be deemed necessary as a result of the inspection and monitoring activities.

The results from each of the three (3) components of the inspection and monitoring activities will be used in conjunction with one another to evaluate the overall effectiveness of the interim measure over time and to determine what corrective measures may be required. The replacement windows will be inoperable and therefore access to the exterior limestone substrate by potential receptors will be low. No children would be present in the inside of the buildings, except during possible short duration visits with NYU staff. There will be no child care facilities within the buildings.

The specific action level for each component of the monitoring is as follows:

- Results from surface wipe samples of the encapsulated exterior limestone substrate will be compared to the low occupancy use criteria for non-porous surfaces of 100 µg/100 cm<sup>2</sup>;
- Results from the indoor air samples will be compared to EPA's December 2014 public health levels of PCBs in school indoor air for ages 19 plus and adults of 500 ng/m³.

Upon receipt of the laboratory results after each monitoring round, the data will be evaluated as follows to determine whether additional monitoring or corrective measures are needed.

- For encapsulated surfaces:
  - Wipe results indicate that PCBs are ≤ 100 µg/100 cm² no additional action, long term maintenance and monitoring to continue in accordance with this plan.
  - $_{\odot}$  Wipe results indicate that PCBs are > 100  $\mu g/100~cm^{2}$  continued

monitoring of locations with reported concentrations > 100  $\mu$ g/100 cm², results and potential corrective actions to be evaluated by NYU in conjunction with EPA.

# For indoor air results:

- If < 500 ng/m³ no additional action, long term maintenance and monitoring to continue in accordance with this plan.
- If > 500 ng/m³ results and alternative solutions will be evaluated by NYU in conjunction with EPA.

The intent of the laboratory results evaluation will be to assess all lines of evidence, collectively, to determine the overall effectiveness of the interim measures over time and whether corrective measures should be implemented. These results/data will be incorporated into any decision regarding additional interim/corrective measures at this Site.

# 4.0 TRAINING

Based on discussions with NYU, it is not anticipated that any workers would come in routine contact with the encapsulated surfaces. It is not anticipated that workers performing routine cleaning would require any special training or need to take extra precautions due to the presence of the new encapsulant; however, NYU will conduct general awareness training for maintenance personnel or contractors to ensure they are aware of the importance of maintaining the encapsulant. NYU will prepare an annual awareness update on the exterior encapsulated limestone substrate and make this available to personnel via e-mail or postings.

For any non-routine projects or maintenance activities that involve work on the exterior encapsulated limestone substrate, relevant and appropriate worker training requirements and procedures specific to the task will be developed and implemented.

# 5.0 COMMUNICATIONS AND REPORTING

Long term monitoring will be conducted beginning six (6) months after the completion of the remediation activities. The activities completed as part of this plan will be documented and submitted to EPA within 90 days following the monitoring activities. This report will document the following:

- Results of the visual inspections;
- Results of the sampling and analyses;
- Comparisons to action levels and recommendations for corrective measures;
- Any corrective measures implemented;
- Any non-routine major projects conducted at the building that encountered the encapsulated area, and the training and protective measures that were implemented;
- Any proposed modifications to the monitoring and maintenance program (e.g., based on the sampling results or discussions with EPA, the frequency of the program may be modified);
- A statement on the continued efficacy of the encapsulants;
- Confirmation that the annual awareness update on the exterior encapsulated limestone substrate was made available to personnel via email or postings; and
- An update and status on plans for building demolition or removal of the exterior limestone substrate.

This report will also include a recommendation for continuing or refining the sample frequency based on the results. In addition, if the results for the sampling and analyses indicate exceedances of project-specific action levels, EPA will be notified within 30 days

of receipt of the analytical data. This notification will also include proposed corrective measures, if required, in any of the exceedance areas. Upon EPA approval of these proposed measures, they will be initiated within 30 days of Approval or some other specified and agreed upon interval depending on the required measures and procurement procedures that must be followed.

It is possible that results of long term monitoring may warrant or require modifications to this plan. In the event that a modification to the MMIP is necessary, such an amendment will be proposed to EPA for approval as part of the scheduled report submittal.

# **FIGURES**



AREA OF PCB CAULK AND PCB CONTAMINATED LIMESTONE AROUND WINDOW MASONRY OPENINGS



**NEW YORK UNIVERSITY** 

Designed by: DB

Checked by: KP / EG

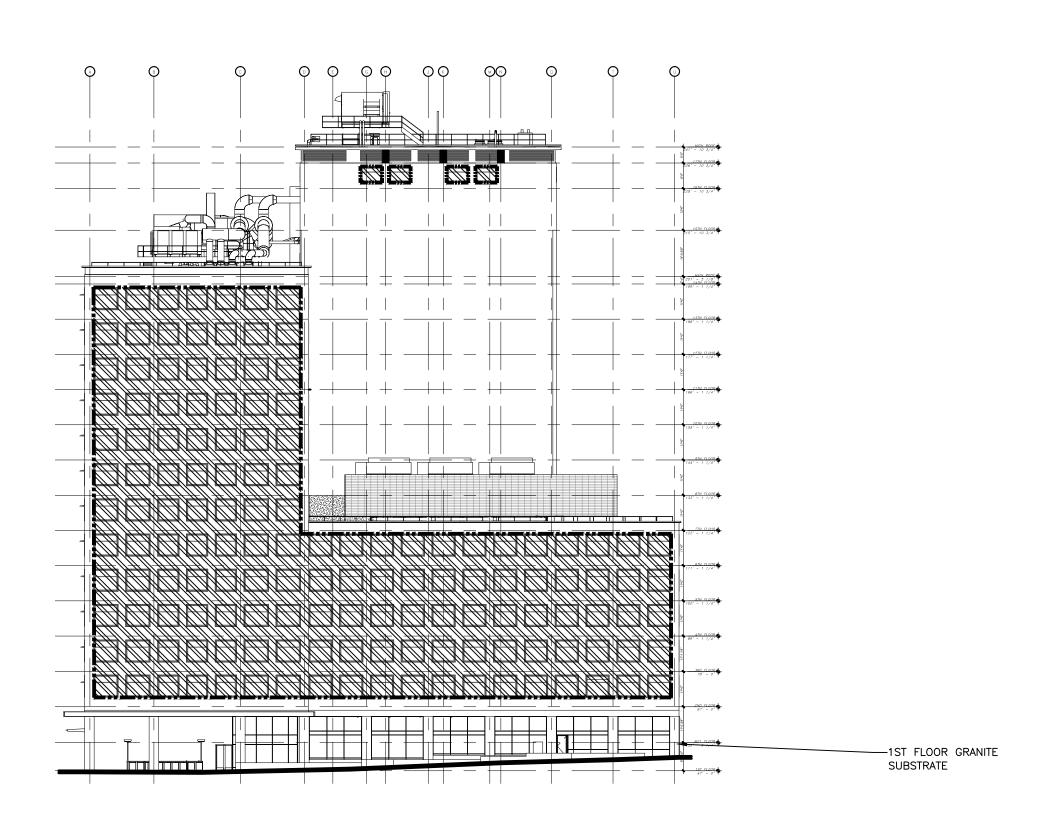
NYU - 370 JAY STREET
NEW YORK, NEW YORK
AREAS OF PCB AND PCB CONTAMINATED LIMESTONE
AROUND WINDOW MASONRY OPENINGS
NORTH ELEVATION

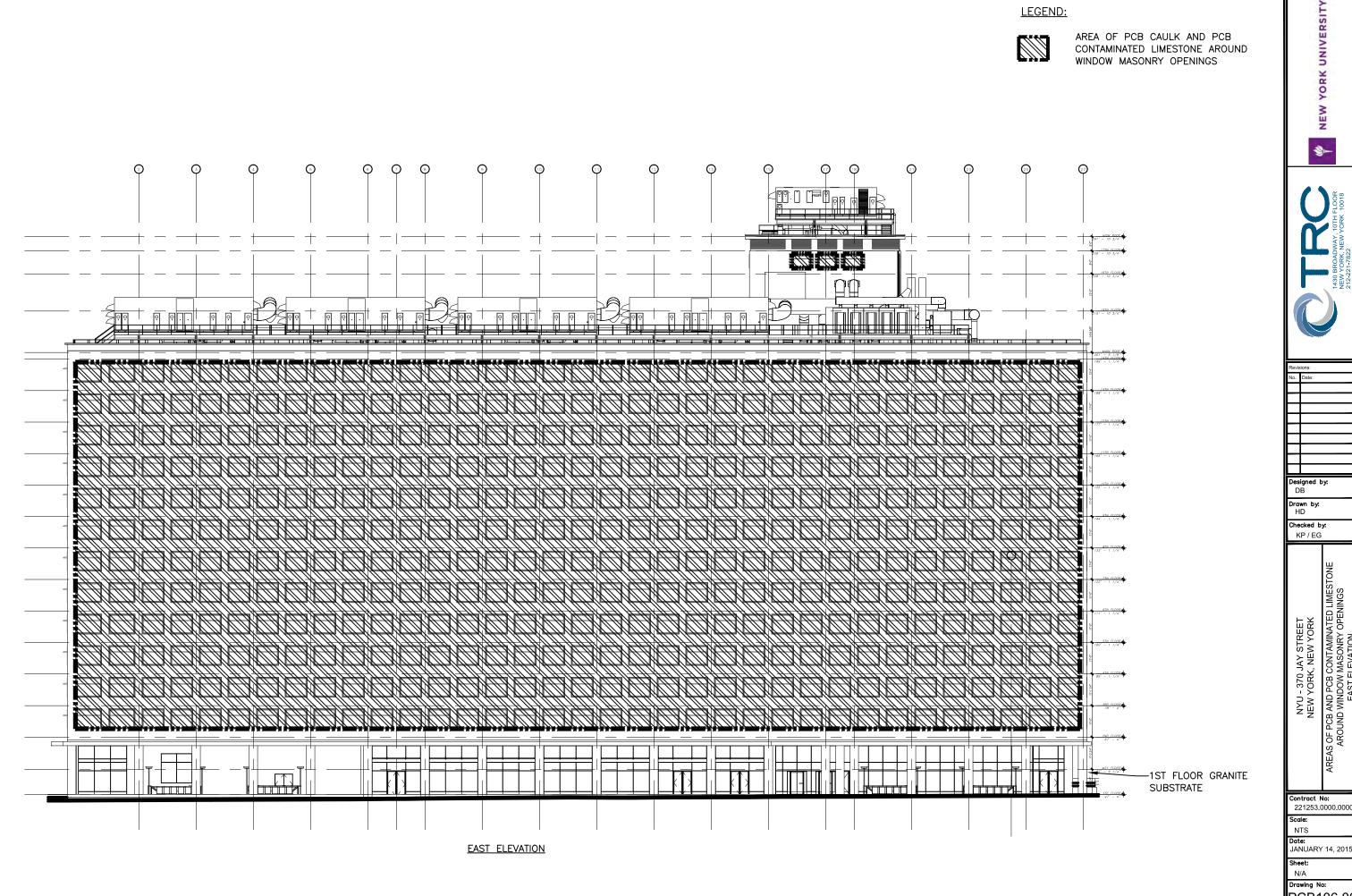
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Date: JANUARY 14, 2015

Drawing No: PCB105.00





221253.0000.0000

Date: JANUARY 14, 2015

PCB106.00

AREA OF PCB CAULK AND PCB CONTAMINATED LIMESTONE AROUND WINDOW MASONRY OPENINGS



NEW YORK UNIVERSITY

Designed by: DB

> Drawn by: HD

Checked by: KP / EG

AMINATED LIMESTONE ONRY OPENINGS

NEW YORK, NEW YORK

SB AND PCB CONTAMINATE

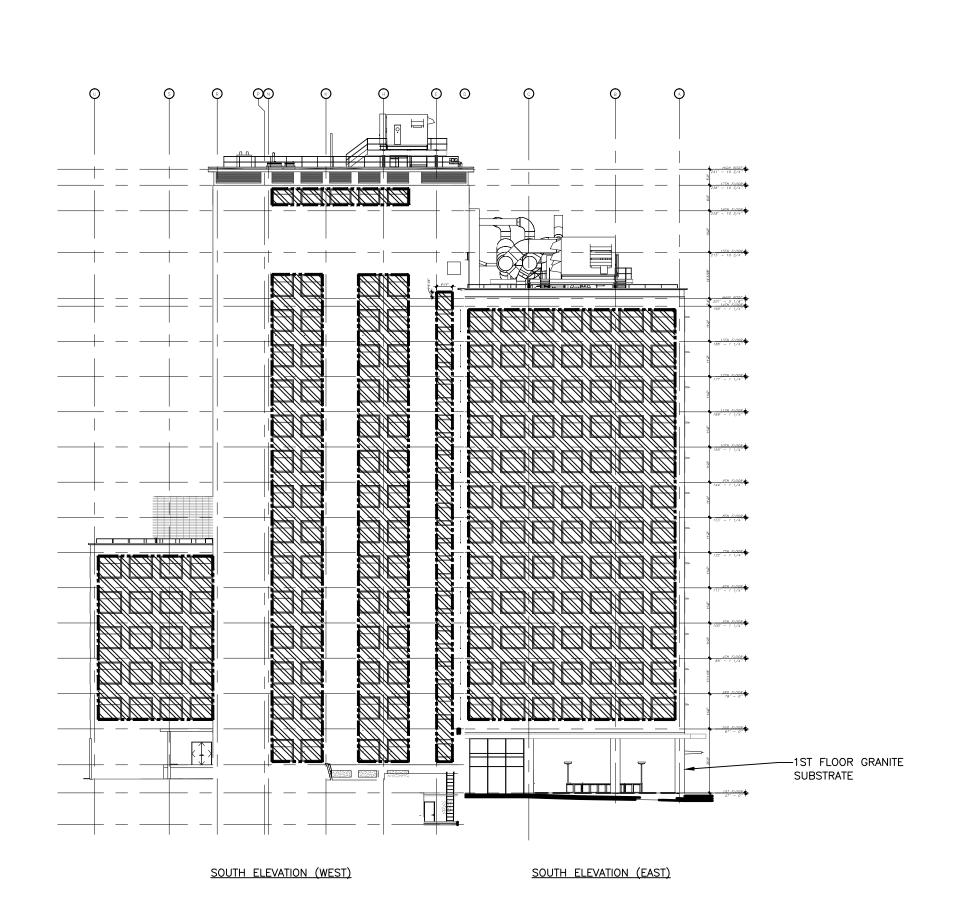
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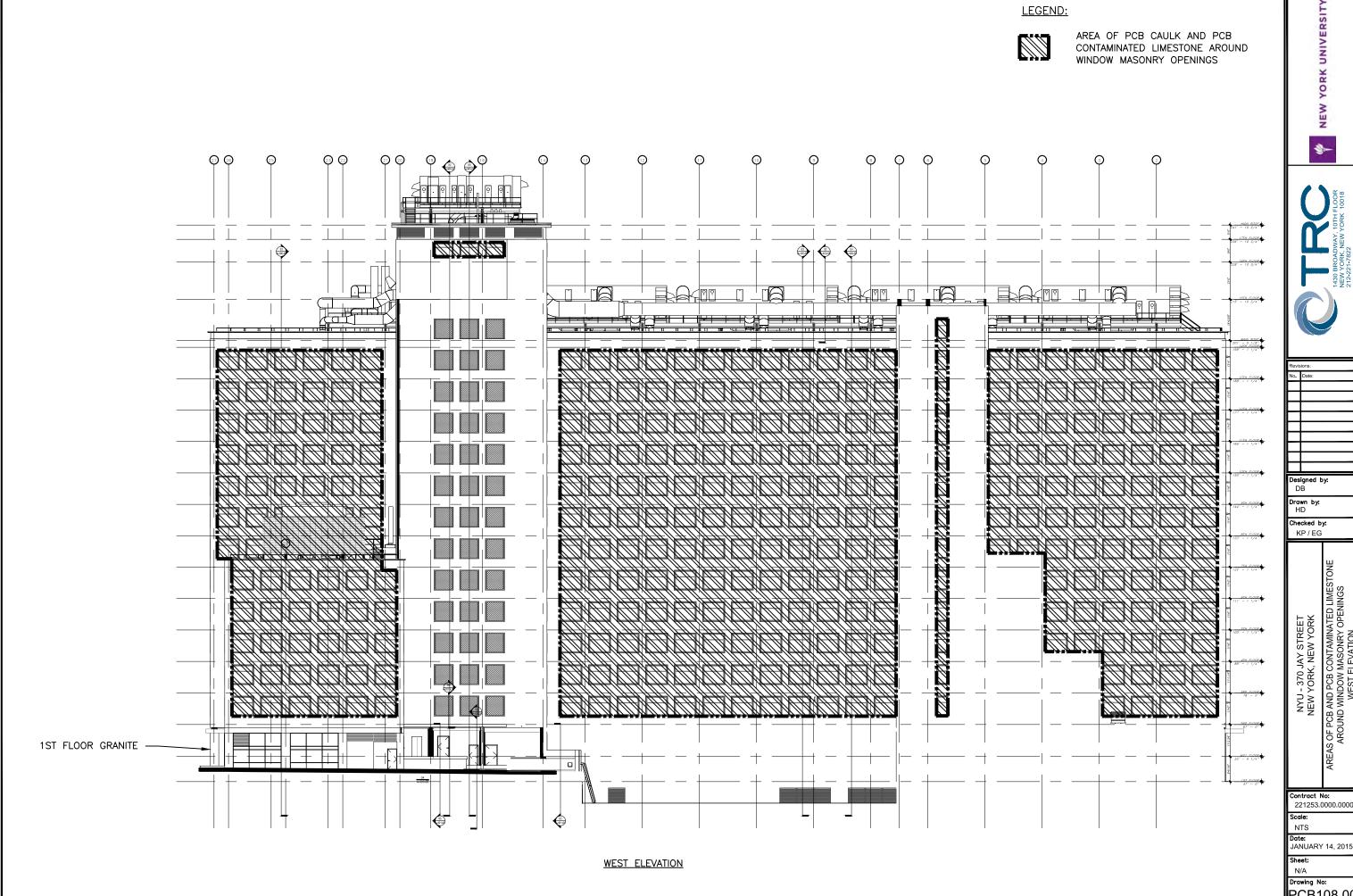
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Date: JANUARY 14, 2015

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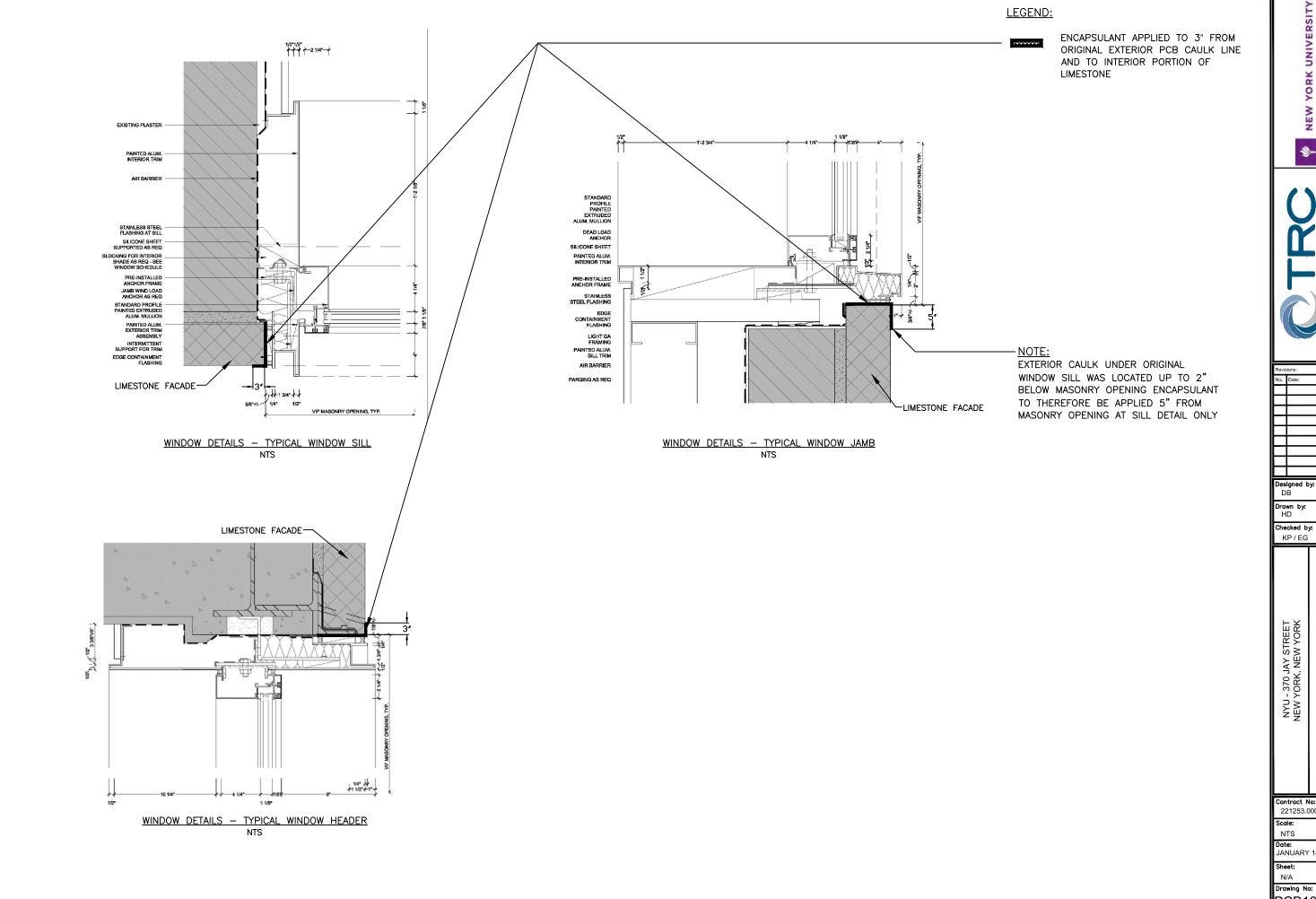






Date: JANUARY 14, 2015

PCB108.00



NEW YORK UNIVERSITY

\$-

Checked by: KP / EG

PCB WINDOW ENCAPSULATION DETAILS 'YPICAL WINDOW SILL, JAMB AND HEADER

Contract No: 221253.0000.000

NTS

Date: JANUARY 14, 2015

Drawing No: PCB109.00