Soil and Surface Wipe Sampling Summary Report: Community and Residential Sampling Program

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1.0 Executive Summary

This report summarizes the findings and conclusions of the environmental sampling program that TRC conducted to determine whether the February 17, 2025, fire at the SPS manufacturing facility in Jenkintown caused impacts to the surrounding community in the form of airborne deposition.

The sampling program focused on the following sectors in the vicinity of the SPS Jenkintown manufacturing facility fire that occurred on February 17, 2025:[1]

- Public (Community) Locations in close proximity to the fire; and
- Residential Locations that were located downwind of the fire.

The work was conducted in accordance with the work plan, entitled "Proposed Fire Response – Residential Indoor Dust and Residential and Community Soil Sampling Work Plan" (TRC, March 15, 2025). The sampling program included soil sampling at thirteen Residential locations and four Community locations, and surface wipe sampling from inside the homes of eighteen Residential locations.

Soil samples and surface wipe samples collected from inside Residences were analyzed for polycyclic aromatic hydrocarbons (PAHs), which are commonly formed as products of combustion and could therefore potentially represent deposition from the fire. Soil samples were also analyzed for various metals, total and free cyanide, and asbestos.

Soil sample analytical results for PAHs, metals and cyanide were compared to Pennsylvania Department of Environmental Protection (PADEP) Residential Direct Contact numerical values established under the Pennsylvania Land Recycling and Environmental Remediation Standards Act (Act 2). Asbestos samples were analyzed using Polarized Light Microscopy (PLM) to determine the percentage, if any, of asbestos in the sample. The results for surface wipe samples were compared to the Contaminants of Potential Concern (COPC) framework for indoor dust developed after the World Trade Center collapse.

The major conclusion drawn from the soil analytical results is that the SPS fire did not distribute measurable amounts of PAHs, metals, cyanide, or asbestos to locations downwind from the fire. While arsenic and lead were present in some Background and downwind soil samples at concentrations above standards, the data confirms that these concentrations are representative of conditions not related to the fire.

Surface wipe sampling results also confirm that there is no discernible impact from the SPS fire. PAH concentrations were uniformly below relevant health-based screening levels and often below the limits of laboratory detection.

[1] Previously, environmental sampling was conducted at two school locations in the area, the results of which were provided in TRC's "Soil and Surface Wipe Sampling Summary Report: Jenkintown and Abington Friends Schools" dated April 14, 2025. See Appendix A.

2.0 Soil and Wipe Sampling

2.1 Sampling Program and Objectives

Soil samples were collected at twelve Residential locations located downwind of the fire, one residence in a Background location, and four Community locations. Indoor wipe samples were collected at the twelve Residential locations within the debris field and at six Residences in Background locations. Background locations were selected outside of the affected area based on the prevailing wind direction during the fire. Wipes were collected from three areas within each residence.

The sampling program was conducted to assess the potential for airborne deposition of targeted compounds resulting from the SPS fire as well as assessing concentrations of metals and organics of potential interest to the Community.

Figure 1 shows the Community and Residential sampling locations, as well as Background sampling locations.

2.2 Soil Sampling and Analyses Means and Methods

2.2.1 Sample Collection

Soil samples were collected using a stainless-steel core sampler or auger. The device was cleaned before and after each sample collection. Cleaning was performed by using a laboratory-grade phosphate-free detergent solution followed by a tap water rinse and then followed by a distilled water rinse.

Soil samples were collected from the 0 to 1-inch interval as well as the 1 to 6-inch interval as a means of evaluating potential airborne deposition from the fire (0 to 1-inch interval) and background concentrations (1 to 6-inch interval).

2.2.2 Sample Handling and Preservation

Soil samples were placed into laboratory-supplied containers. The sample containers were promptly placed in a cooler and preserved on ice. Samples were transported to the laboratory under Chain of Custody (COC).

Each sample was logged onto the COC and included sample identification (ID), date and time of sample collection, requested analytical parameters, sampler name and signature, and laboratory instructions as appropriate. The samples were transferred from field persons to laboratory personnel under signature of release and acceptance.

2.2.3 Quality Assurance

Level 2 Data Validation was performed on the soil laboratory reports. The data was found to be usable. The data summarized and presented in this report represent validated data.

One duplicate sample pair was collected during residential sampling at location “Home 1” in the 1–6-inch interval and analyzed to evaluate sampling precision. The data indicates that the analytical results between the two samples are within generally acceptable limits (less than 50% relative percent difference). Additionally, three Matrix Spike (MS) and Matrix Spike Duplicate (MSD) analyses were performed to reflect recoverability of target parameters. The results of the MS/MSD analyses caused certain parameters to be flagged as ‘estimated’ values (specifically, thallium, antimony, antimony, copper, beryllium, acenaphthylene and dibenz(a,h)anthracene) which do not affect the results of this investigation or the usability of the data, since none of these compounds were found in the soil samples at concentrations above Residential Direct Contact standards.

2.2.4 Analytical Parameters

Each soil sample was analyzed for:

- Polycyclic Aromatic Hydrocarbons (PAHs) – EPA SW846 Method 8270E SIM

- Metals – EPA SW-846 Method 6020B/7471B (TAL Metals, which includes Mercury)
- Total Cyanide – EPA SW-846 Method 9012B
- Free Cyanide – Kelada-01 (via MJ Reider)
- Asbestos by EPA 600/R-93/116 (PLM for screening absence/presence)

2.2.5 PADEP Screening Values

Soil sampling results for PAHs, metals and cyanide are compared to the Pennsylvania Department of Environmental Protection (PADEP) Land Recycling and Environmental Remediation Standards Act (Act 2) Residential Direct Contact (0-15 feet) standards presented in PADEP Act 2 **Table 3** (incorporated by reference) for organic constituents and **Table 4** (incorporated by reference) for inorganic constituents established as Medium Specific Concentrations established by Act 2.

2.2.6 Asbestos Analysis

Asbestos samples were analyzed using Polarized Light Microscopy (PLM) to determine the percentage of asbestos, if any, in the sample. The U.S. Environmental Protection Agency (EPA) defines "Asbestos Containing Materials" as "any material or product which contains more than one percent asbestos" (USEPA Asbestos Hazard and Emergency Response Act (AHERA) – Glossary of Asbestos Hazard and Emergency Response Act Terms). The initial screening of data considered if any asbestos was present in the soil samples via Polarized Light Microscopy (PLM).

2.3 Wipe Sampling Means and Methods

2.3.1 Sample Collection

For each of the three selected areas in each residence, a 100cm^2 area (marked by laboratory-provided template squares) was wiped with a prewet methanol wipe.

2.3.2 Sample Handling and Preservation

Each area chosen for surface wipe sample collection was wiped horizontally to cover the entirety of the area, the wipe folded, then wiped vertically before being placed into the laboratory-supplied containers and labeled. The sample containers were promptly placed in a cooler and preserved on ice. Samples were transported to the laboratory under Chain of Custody (COC).

Each sample was logged onto the COC and included sample identification (ID), date and time of sample collection, requested analytical parameters, sampler name and signature, and laboratory instructions as appropriate. The samples were transferred from field persons to laboratory personnel under signature of release and acceptance.

2.3.3 Quality Assurance

One blank sample that did not contact any surfaces (but was handled in the same manner as the other wipes) was collected at each residence and analyzed.

Surrogate samples were run by the laboratory for the purpose of evaluating percent recoveries.

Level 2 Data Validation was performed on all data. The data were all found to be usable.

2.3.4 Analytical Parameters

Each wipe sample was analyzed for:

- PAHs – EPA SW846 Method 8270E SIM

2.3.5 Indoor Wipe Reference Standard

Following the collapse of the World Trade Center (WTC) in 2001, EPA and collaborating agencies developed the Contaminants of Potential Concern (COPC) framework to assess indoor settled dust contamination. These guidelines were designed with an emphasis on protecting children, the most sensitive population, due to their higher frequency of hand-to-mouth activity, lower body weight, and greater time spent indoors. The framework established risk-based screening levels for PAHs and other contaminants in indoor environments. PAH benchmark concentrations were established based on the most sensitive PAH, benzo[a]pyrene (BaP), at an estimated 1×10^{-6} lifetime excess cancer risk for consistent with the dose-response recommended by ATSDR and CalEPA/OEHHA (ATSDR 2022; EPA 2003).

The WTC/COPC framework remains the most directly applicable and protective model for interpreting wipe sampling data collected from indoor settings. The screening levels derived through this approach provide a robust, health-protective standard for evaluating potential exposure to PAHs, particularly in settings where children may come into contact with surfaces.

3.0 Soil and Wipe Sample Collection Sites and Areas

3.1 Soil Collection Sites

Soil samples were collected at the designated sampling intervals at the locations shown on Figure 1. The Residential and Community sampling locations are identified in Figure 1 and in this report as discrete numbers that do not reflect the actual address of the residence based on the consideration of privacy for the residents.

This report summarizes the results of the Residential and Community sampling programs only. The results of sampling at schools as well as additional Background locations in the area are discussed in "Soil and Surface Wipe Sampling Summary Report: Jenkintown and Abington Friends Schools" (TRC, April 14, 2025). This report is presented in **Appendix A** and is included because it presents Background soil sampling data for Wall Park and Cheese Park. The Background sampling data is used as a point of comparison for the data presented herein.

3.1.2 Community Sites

Soil samples were collected at the 0 to 1 and 1 to 6-inch intervals at the following locations:

- Cedar Street Moretti Park (CM) at a central location;
- Hallowell Park (HP) at a central location;
- Jenkintown Town Square (TS) near the southwest corner of the square; and
- Immaculate Conception (IC) preschool near the playground equipment.

3.1.3 Residential Sites

Residential soil sampling was conducted at 12 Residences within the downwind area of the fire and one Residence located in a Background location. Downwind areas were divided into two zones, Evacuation Zone A and Evacuation Zone B, as shown on Figure 1.

Due to limitations in obtaining homeowner consent and specific requests for sampling from several homeowners, the soil and wipe sampling conducted in Evacuation Zones A and B deviated from the original work plan. Instead of collecting samples from six Residences in each evacuation zone as initially intended, samples were obtained from eight Residences in Evacuation Zone A, two Residences in Evacuation Zone B, and two Residences located just outside the evacuation zones—specifically, to the north and east of Evacuation Zone B. One Residential soil sample was taken from a Residence in an area unaffected by the fire (Figure 1). These deviations do not affect the representability of the data set nor do they affect TRC's ability to draw conclusions about potential fire impacts.

Table 1 summarizes the designated Evacuation Zone for each sample as well as the Background location (Home 13).

3.2 Indoor Residential Wipe Collection Sites and Areas

Indoor surface wipe samples were collected at the designated sampling locations shown in Figure 1. The Residential wipe sampling locations are identified as discrete numbers that do not reflect the actual address of the Residence based on the consideration of privacy for the residents.

Due to limitations in obtaining homeowner consent and specific requests for sampling from several homeowners, the sampling conducted in Evacuation Zones A and B deviated from the original work plan. Instead of collecting samples from six Residences in each evacuation zone, as initially intended, samples were obtained from eight Residences in Evacuation Zone A, two Residences in Evacuation Zone B, and two Residences located just outside the evacuation zones—specifically, to the north and east of Evacuation Zone B. These deviations do not affect the representability of the data set nor do they affect TRC's ability to draw conclusions about potential fire impacts. Indoor surface wipe samples were also taken from six Residences in areas not affected by the fire (Figure 1).

In total, consistent with the work plan, samples were collected at twelve Residences within the downwind area of the fire and six Background Residences in areas unaffected by the fire.

As discussed in the work plan, three areas within each Residence were sampled using a methanol wipe. One area in each Residence was selected to collect "historical dust" representative of the dust accumulated over many years or decades prior to the fire. When possible, underneath the refrigerator was the preferred location for collecting historical dust. At some Residences, this area was not accessible or allowed by the homeowner and an alternative area with the goal of collecting historical dust was selected (e.g., top of a cabinet). The other two areas in the Residence were selected to be representative of more recent dust (e.g., under couches, cabinets, or radiators). Areas that were known to have been cleaned since the fire were avoided. Samples collected at Residences with recently used fireplaces (used within the last year) were collected at least ten feet from the fireplace to avoid combustion production detections unrelated to the fire.

All surface wipe sampling locations are noted in **Table 2**.

4.0 Analytical Results and Data Evaluation

4.1 Soil Sample Analytical Results

Soil samples were analyzed by Eurofins Laboratories of Lancaster, Pennsylvania.

Table 1 is a summary of the soil sample analytical results. **Table 3** presents the consolidated summary of all soil sampling results.

4.2 Soil Sampling Data Evaluation

As described previously, **Table 1** presents a summary of the soil sampling results. The following criteria were used to evaluate the soil analytical data:

1. As discussed in Section 2.2.5, Act 2 Residential Direct Contact values were used to evaluate all analytical results except asbestos, for which there is no Act 2 standard. For asbestos, the data was screened to determine if any asbestos-containing material was present in the sample based on EPA's definition.

2. Background soil sample results from Wall Park and The Cheese Playground were also considered in the data analysis.

3. An evaluation of results from 0 to 1-inch samples versus the 1 to 6-inch sample results was conducted. Collecting soil samples from two depth intervals allows for a better understanding of the potential impacts from airborne materials from the fire (reflected in the upper 1-inch of the soil column) versus non-fire conditions (reflected in the lower 1-inch to 6-inch soil column). Hence the 1 to 6-inch sample represents background conditions for the analytical results from the 0 to 1-inch samples.

There were no detections above the Act 2 Residential Direct Contact standards for PAHs, cyanide, or metals, with the exception of arsenic, lead, and benzo(b)fluoranthene in certain samples. **Figure 2** presents a summary of these soil sample locations. Sample locations with results above the applicable Act 2 standard have "call-out boxes" that summarize the results. Sample locations with results below Act 2 standards are shown in a light orange color and have no "call-out boxes". There were no detections of asbestos in any of the soil samples.

The concentrations of arsenic detected in the shallow soil samples (i.e., the 0 to 1-inch interval) are consistent with the concentrations detected in the deeper soil samples, with the 1 to 6-inch interval representative of background concentrations for the 0 to 1-inch interval. Arsenic concentrations are also typical of this geographical region. An evaluation of background concentrations of arsenic in Pennsylvania (AECOM, 2002) showed that arsenic was detected in 405 of 408 samples collected at a median concentration of 10.3 mg/kg and at a 95th percentile concentration of 23.4 mg/kg. The range of arsenic concentrations fit into the anticipated background range of concentrations.

The absence of any fire-related markers in soil sampling results (i.e., no PAHs), further supports the conclusion that the arsenic concentrations detected in the Community and Residential soil samples are background to the geographic area. Finally, we note that arsenic was detected at the Background locations (Wall Park and Cheese Park) collected as part of a schools sampling program

as presented in **Appendix A**. The concentrations are similar to the concentrations in samples collected at the Community and Residential locations presented in this Report.

Lead was detected in six Residential soil sample locations (five downwind Residential locations and one Residential Background location) at concentrations above the Act 2 Residential Direct Contact value of 500 mg/kg. The concentrations of lead are generally similar in the 0 to 1-inch interval versus the 1 to 6-inch interval, indicating that the detections represent background or baseline conditions. Residential sources of lead include, but are not limited to, the historical use of lead-based paint, and common items such as lead-acid batteries. Additionally, lead was not detected at the Background locations (Wall Park and Cheese Park) at concentrations above the Residential Direct Contact standards as presented in **Appendix A.** There is no discernable pattern to the lead concentrations that were detected, demonstrating that the lead concentrations in Residential soil is not the result of fire deposition[2].

Finally, the absence of any fire related markers in residential soil sampling results (i.e., no PAHs detected above Act 2 standards), further support the conclusion that the arsenic and lead concentrations detected in the Residential soil samples represent background or baseline concentrations.

It should be noted that one (1) Community soil sample from the Immaculate Conception preschool exhibited concentrations of Benzo(b)fluoranthene (a PAH) in both the 0-1 inch and 1-6 inch intervals above the Act 2 Residential Direct Contact standard (5,200 ug/kg and 4,000 ug/kg, respectively, versus the standard of 3,500 ug/kg). This is the only detection of a PAH compound above screening values in the entire sampling program. This detection is considered spurious and not representative of fire deposition, based upon the absence of detections above screening values in other samples and the fact that the concentration of benzo(b)fluoranthene is similar in the 0 to 1-inch interval versus the 1 to 6-inch interval.

4.3 Indoor Wipe Sample Analytical Results

Wipe samples were also analyzed by Eurofins Laboratories of Lancaster, Pennsylvania. **Table 2** presents surface wipe sampling results from Background Residences located northwest (Location A) and south (Location B) of the site, and Residences downwind of the fire compared to numerical values established by the Contaminants of Potential Concern (COPC) framework. **Table 4** presents a consolidated summary of the wipe sampling results.

4.4 Indoor Wipe Sampling Data Evaluation

All indoor surface wipe results collected from the Residential and Background Residential locations were below laboratory detection limits and/or below the COPC/WTC indoor benchmark (1.45 mg/cm^2). These findings indicate that there is no discernible impact from the fire at Residential locations and no human health risk associated with potential PAH exposure at any sampling location.

4.5 Conclusions

[2] Lead was also not detected above the Residential Direct Contact standard in the soils at the Jenkintown and Abington Friends schools, further supporting the conclusion that residential lead concentrations are unrelated to the fire (See Appendix A).

The following conclusions are drawn based on the collection and analysis of Residential and Community Soil and Surface Wipe samples:

- Soil and surface wipe sampling results confirm that there is no discernable impact from the SPS fire.
- Cyanides and asbestos were not detected in any soil sample. Arsenic, PAHs, and lead concentrations in the soil samples were consistent with background conditions indicative of urban environments.
- PAH concentrations in the surface wipe samples were uniformly below relevant health-based screening levels and often below the limits of laboratory detection.

References

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Figures

N
W E
S

HOME 15
HOME 14
HOME 16
HP-1
HOME 2
HOME 3
HOME 4
HOME 1
HOME 5
HOME 8
HOME 12
MP-1
HOME 11
HOME 9
HOME 10
SPS TECHNOLOGIES JENKINTOWN
HOME 7
HOME 6
TS-1
IC-1
HOME 18
HOME 13
HOME 17

Legend

- COMMUNITY SAMPLE LOCATION (SOIL)
- RESIDENTIAL SAMPLE LOCATION (SOIL AND INDOOR SURFACE WIPES)
- RESIDENTIAL BACKGROUND SAMPLE LOCATION (INDOOR SURFACE WIPES)**
- EVACUATION ZONE B (AREA DOWNWIND OF EVACUATION ZONE A)
- EVACUATION ZONE A (AREA SUBJECT TO VOLUNTARY EVACUATION NOTICE*)
- SPS TECHNOLOGIES JENKINTOWN

*ESTABLISHED BY ABINGTON TOWNSHIP EMERGENCY OPERATION CENTER AND JENKINTOWN MANAGEMENT ON 02/18/2025 (2:15 PM) AND LIFTED 02/19/2015 (11:00 AM)

**ONE SOIL SAMPLE AT MAP ID HOME 17 WAS COLLECTED FOR ANALYSIS

0 600 1,200 Feet

FIGURE 1
RESIDENTIAL AND COMMUNITY
SPS TECHNOLGIES, JENKINTOWN, PA
SOIL AND SURFACE WIPE SAMPLE LOCATION MAP

N
W E
S

SAMPLE LOCATION	HOME1		
SAMPLE DATE	3/20/2025		
SAMPLE DEPTH	0-1 IN.	1-6IN.	1-6 IN. (DUP)
LEAD (MG/KG)	500	680	530

SAMPLE LOCATION	HOME4	
SAMPLE DATE	3/21/2025	
SAMPLE DEPTH	0-1 IN.	1-6IN.
ARSENIC (MG/KG)	17	16

SAMPLE LOCATION	HOME12	
SAMPLE DATE	3/20/2025	
SAMPLE DEPTH	0-1 IN.	1-6IN.
ARSENIC (MG/KG)	19	26
LEAD (MG/KG)	NE	570

SAMPLE LOCATION	HOME11	
SAMPLE DATE	3/19/2025	
SAMPLE DEPTH	0-1 IN.	1-6IN.
LEAD (MG/KG)	610	550

SAMPLE LOCATION	HOME10	
SAMPLE DATE	3/21/2025	
SAMPLE DEPTH	0-1 IN.	1-6IN.
LEAD (MG/KG)	1100	800

SPS TECHNOLOGIES JENKINTOWN

SAMPLE LOCATION	HOME5	
SAMPLE DATE	3/18/2025	
SAMPLE DEPTH	0-1 IN.	1-6IN.
LEAD (MG/KG)	1500	2400

SAMPLE LOCATION	TS-1	
SAMPLE DATE	3/15/2025	
SAMPLE DEPTH	0-1 IN.	1-6IN.
ARSENIC (MG/KG)	22	23

Legend

- COMMUNITY SOIL SAMPLE LOCATION
- RESIDENTIAL SOIL SAMPLE LOCATION
- RESIDENTIAL BACKGROUND SOIL SAMPLE LOCATION**
- SAMPLES WITH NO EXCEEDANCES
- EVACUATION ZONE B (AREA DOWNWIND OF EVACUATION ZONE A)
- EVACUATION ZONE A (AREA SUBJECT TO VOLUNTARY EVACUATION NOTICE*)
- SPS TECHNOLOGIES JENKINTOWN

*ESTABLISHED BY ABINGTON TOWNSHIP EMERGENCY OPERATION CENTER AND JENKINTOWN MANAGEMENT ON 02/18/2025 (2:15 PM) AND LIFTED 02/19/2015 (11:00 AM)

**ONE SOIL SAMPLE AT MAP ID HOME 17 WAS COLLECTED FOR ANALYSIS

PA DEP ACT 2 DIRECT CONTACT STANDARD FOR RESIDENTIAL SOILS	
PARAMETER	CRITERIA
ARSENIC	12 MG/KG
LEAD	500 MG/KG

NOTE: NE = (NO EXCEEDANCE)

SAMPLE LOCATION	HOME 17	
SAMPLE DATE	3/18/2025	
SAMPLE DEPTH	0-1 IN.	1-6 IN.
LEAD (MG/KG)	530	750

0 600 1,200 Feet

FIGURE 2
SPS TECHNOLOGIES, JENKINTOWN, PA
SOIL SAMPLING RESULTS – METALS EXCEEDANCES

Tables

Table 1 - Soil Analytical Results Summary

Field Sample ID		PA DEP Act 2 Direct Contact Standard for Residential Soils (0-15 ft)	EZoneA.Sub 1 (0-1) A			EZoneA.Sub 1 (1-6) A			EZoneA.Sub 1 (1-6) B			EB-S2-1A (0-1)			EB-S2-1A (1-6)		
Lab Sample ID			410-213636-1			410-213636-3			410-213636-4			410-214425-4			410-214425-6		
Map ID			Home 1			Home 1			Home 1 (Duplicate)			Home 2			Home 2		
Description			Soil; 0-1in.			Soil; 1-6in.			Soil; 1-6in. DUPLICATE			Soil; 0-1in.			Soil; 1-6in.		
Zone			Debris Field Evacuation Zone A Subzone 1			Debris Field Evacuation Zone A Subzone 1			Debris Field Evacuation Zone A Subzone 1			Debris Field Evacuation Zone A Subzone 2			Debris Field Evacuation Zone A Subzone 2		
Sampling Date			3/20/2025			3/20/2025			3/20/2025			3/19/2025			3/19/2025		
Parameter	**Unit**		**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**
Polycyclic Aromatic Hydrocarbons (PAHs) - SW8270E SIM																	
Acenaphthene	ug/kg	13000000	9.2	J	23	< 8.0		20	< 8.4		21	11		2.3	9.0		2.0
Acenaphthylene	ug/kg	13000000	180		23	210		20	190		21	18		2.3	26		2.0
Anthracene	ug/kg	66000000	61		23	64		20	68		21	42		2.3	34		2.0
Benzo(a)anthracene	ug/kg	6100	340		23	330		20	350		21	280		2.3	190		2.0
Benzo(a)pyrene	ug/kg	4200	390		23	380		20	380		21	270		2.3	200		2.0
Benzo(b)fluoranthene	ug/kg	3500	540		23	510		20	520		21	400		2.3	300		2.0
Benzo(g,h,i)perylene	ug/kg	13000000	280		13	280		20	240		21	180		2.3	140		2.0
Benzo(k)fluoranthene	ug/kg	3500	190		23	180		20	180		21	130		2.3	94		2.0
Chrysene	ug/kg	35000	350		23	320		20	330		21	280		2.3	200		2.0
Dibenz(a,h)anthracene	ug/kg	1000	79		23	110		20	87		21	57		2.3	43		2.0
Fluoranthene	ug/kg	8800000	500		23	400		20	460		21	610		11	430		9.8
Fluorene	ug/kg	8800000	13	J	23	14	J	20	14	J	21	11		2.3	8.2		2.0
Indeno(1,2,3-cd)pyrene	ug/kg	3500	340		23	320		20	300		21	220		2.3	170		2.0
Naphthalene	ug/kg	13000	26	J	46	20	J	40	27	J	42	6.2		4.5	17		3.9
Phenanthrene	ug/kg	66000000	120		32	74		28	96		30	230		3.2	160		2.7
Pyrene	ug/kg	6600000	440		23	370		20	400		21	450		11	310		2.0
2-Methylnaphthalene	ug/kg	57000	< 18		46	< 16		40	< 17		42	5		4.5	12		3.9
Metals - 6020B and 7471B (Mercury)																	
Aluminum	mg/kg	190000	19000		19	24000		21	24000		21	28000		24	32000		79
Antimony	mg/kg	88	0.49		0.19	0.67		0.21	0.45		0.21	0.83	J	0.24	0.80	J	0.16
Arsenic	mg/kg	12	5.9		0.38	6.8		0.42	6.3		0.42	8.0		0.47	10		0.32
Barium	mg/kg	44000	140		0.38	180		0.42	170		0.42	120		0.47	140		0.32
Beryllium	mg/kg	440	1.1		0.095	1.4		0.11	1.0		0.11	0.98		0.12	1.3		0.079
Cadmium	mg/kg	110	0.54		0.095	0.68		0.11	0.64		0.11	0.60		0.12	0.61		0.079
Calcium	mg/kg	N/A	2500		38	3500		42	2700		42	2800		47	2000		32
Chromium	mg/kg	190000(1)	28		0.38	33		0.42	29		0.42	56		0.47	52		0.32
Cobalt	mg/kg	66	12		0.19	16		0.21	13		0.21	16		0.24	18		0.16
Copper	mg/kg	7200	30		0.38	41		0.42	33		0.42	45	J	0.47	49	J	0.32
Iron	mg/kg	150000	23000		19	28000		21	24000		21	30000		24	35000		79
Lead	mg/kg	500	500		0.95	680		1.1	530		1.1	160		0.24	120		0.79
Magnesium	mg/kg	N/A	3500		9.5	4900		11	3600		11	4200		12	5400		7.9
Manganese	mg/kg	31000	570		0.38	770		0.42	640		0.42	400		0.47	380		0.32
Nickel	mg/kg	4400	21		0.38	29		0.42	28		0.42	30		0.47	38		0.32
Potassium	mg/kg	N/A	1900		38	2400		42	2300		42	3700		47	4500		32
Selenium	mg/kg	1100	0.85		0.38	0.77		0.42	0.66		0.42	0.67		0.47	1.0		0.32
Silver	mg/kg	1100	0.11		0.095	0.13		0.11	0.13		0.11	0.12		0.12	0.13		0.079
Sodium	mg/kg	N/A	110		48	190		53	92		53	130		59	180		39
Thallium	mg/kg	2.2	0.22		0.095	0.28		0.11	0.28		0.11	0.37		0.12	0.43		0.39
Zinc	mg/kg	66000	190		20	230		32	190		32	170		35	180		24
Vanadium	mg/kg	1100	43		0.76	53		0.85	48		0.84	73		0.94	80		0.63
Mercury	mg/kg	35	0.17		0.078	< 0.023		0.07	0.035	J	0.075	0.15	J+	0.076	0.097	J+	0.066
Cyanide Total- 9012B and Cyanide Free - Kelada-01 Rev 1.2																	
Cyanide, Total	mg/kg	N/A	< 0.25		0.69	< 0.21		0.58	< 0.22		0.61	< 0.23		0.65	< 0.22		0.60
Cyanide, Free	mg/kg	130	< 1.41		1.41	< 1.20		1.20	< 1.45		1.45	< 1.47		1.47	< 1.41		1.41
Asbestos																	
PLM	%	N/A	ND			ND			ND			ND			ND		
TEM	%	N/A	N/A			N/A			N/A			N/A			N/A		

ND Non-Detect
J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
J+ Estimated with potential high bias
J- Estimated with potential low bias
UJ Nondetect result, estimated reporting limit
RL Reporting Limit
(1) Most chromium in soil is in the III valence state. PADEP has two screening values for chromium - the value shown is for Chromium III.

Table 1 - Soil Analytical Results Summary

Field Sample ID		PA DEP Act 2 Direct Contact Standard for Residential Soils (0-15 ft)	EA-S2-1A (0-1)			EA-S2-1A (1-6)			EZoneA.Sub3(0-1)A			EZoneA.Sub3(1-6)A		
Lab Sample ID			410-213184-9			410-213184-11			410-213610-1			410-213610-3		
Map ID			Home 3			Home 3			Home 4			Home 4		
Description			Soil; 0-1in.			Soil; 1-6in.			Soil; 0-1in.			Soil; 1-6in.		
Zone			Debris Field Evacuation Zone A Subzone 2			Debris Field Evacuation Zone A Subzone 2			Debris Field Evacuation Zone A Subzone 3			Debris Field Evacuation Zone A Subzone 3		
Sampling Date			3/18/2025			3/18/2025			3/21/2025			3/21/2025		
Parameter	**Unit**		**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**
Polycyclic Aromatic Hydrocarbons (PAHs) - SW8270E SIM														
Acenaphthene	ug/kg	13000000	7.6		2.6	5.3		2.1	17	J	26	13	J	22
Acenaphthylene	ug/kg	13000000	19		2.6	21		2.1	35		26	30		22
Anthracene	ug/kg	66000000	27		2.6	23		2.1	43		26	39		22
Benzo(a)anthracene	ug/kg	6100	140		2.6	120		2.1	260		26	230		22
Benzo(a)pyrene	ug/kg	4200	140		2.6	120		2.1	270		26	240		22
Benzo(b)fluoranthene	ug/kg	3500	200		2.6	170		2.1	390		26	350		22
Benzo(g,h,i)perylene	ug/kg	13000000	88		2.6	75		2.1	180		26	150	J+	22
Benzo(k)fluoranthene	ug/kg	3500	70		2.6	54		2.1	150		26	110	J+	22
Chrysene	ug/kg	35000	140		2.6	120		2.1	280		26	240		22
Dibenz(a,h)anthracene	ug/kg	1000	28		2.6	23		2.1	58		26	43		22
Fluoranthene	ug/kg	8800000	290		2.6	250		2.1	590		26	510		22
Fluorene	ug/kg	8800000	7.3		2.6	5.0		2.1	14	J	26	13	J	22
Indeno(1,2,3-cd)pyrene	ug/kg	3500	110		2.6	92		2.1	220		26	190		22
Naphthalene	ug/kg	13000	6.0		5.1	5.0		4.3	< 21		52	< 17		44
Phenanthrene	ug/kg	66000000	120		3.6	86		3.0	230		36	200		30
Pyrene	ug/kg	6600000	220		2.6	180		2.1	440		26	380		22
2-Methylnaphthalene	ug/kg	57000	4.8	J	5.1	5.3		1.7	< 21		52	< 17		44
Metals - 6020B and 7471B (Mercury)														
Aluminum	mg/kg	190000	26000		28	23000		21	25000		29	23000		22
Antimony	mg/kg	88	0.99		0.28	0.74		0.21	0.80		0.29	0.75		0.22
Arsenic	mg/kg	12	9.0		0.56	7.3		0.42	17		0.58	16		0.44
Barium	mg/kg	44000	160		0.56	150		0.42	150		0.58	140		0.44
Beryllium	mg/kg	440	1.2		0.14	1.1		0.1	1.3		0.15	1.6		0.11
Cadmium	mg/kg	110	0.41		0.14	0.37		0.1	0.71		0.15	0.75		0.11
Calcium	mg/kg	N/A	2800		56	2100		42	1900		58	1300		44
Chromium	mg/kg	190000(1)	39		0.56	33		0.42	47		0.58	66		0.44
Cobalt	mg/kg	66	15		0.28	14		0.21	15		0.29	15		0.22
Copper	mg/kg	7200	32		0.56	29		0.42	45		0.58	170		0.44
Iron	mg/kg	150000	28000		28	24000		21	32000		29	34000		110
Lead	mg/kg	500	210		0.28	150		0.21	240		0.29	200		0.22
Magnesium	mg/kg	N/A	3100		14	2600		10	4100		15	3900		11
Manganese	mg/kg	31000	720		0.56	680		0.42	590		0.58	580		0.44
Nickel	mg/kg	4400	25		0.56	22		0.42	27		0.58	27		0.44
Potassium	mg/kg	N/A	2100		56	2000		42	1700		58	1400		44
Selenium	mg/kg	1100	0.80		0.56	0.70		0.42	0.80		0.58	0.77		0.44
Silver	mg/kg	1100	0.14		0.14	0.11		0.10	0.16		0.15	0.14		0.11
Sodium	mg/kg	N/A	100		71	88		52	120		35	89		55
Thallium	mg/kg	2.2	0.26		0.14	0.22		0.1	0.28		0.15	0.25		0.11
Zinc	mg/kg	66000	240		42	140		31	220		44	210		33
Vanadium	mg/kg	1100	60		1.1	50		0.83	71		1.2	75		0.88
Mercury	mg/kg	35	0.23		0.089	0.18		0.077	0.18		0.087	0.15		0.079
Cyanide Total- 9012B and Cyanide Free - Kelada-01 Rev 1.2														
Cyanide, Total	mg/kg	N/A	< 0.26		0.73	< 0.22		0.62	< 0.27		0.76	< 0.22		0.61
Cyanide, Free	mg/kg	130	< 1.37		1.37	< 1.49		1.49	< 1.52		1.52	< 1.15		1.15
Asbestos														
PLM	%	N/A	ND			ND			ND			ND		
TEM	%	N/A	N/A			N/A			N/A			N/A		

ND Non-Detect
J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
J+ Estimated with potential high bias
J- Estimated with potential low bias
UJ Nondetect result, estimated reporting limit
RL Reporting Limit
(1) Most chromium in soil is in the III valence state. PADEP has two screening values for chromium - the value shown is for Chromium III.

Table 1 - Soil Analytical Results Summary

Field Sample ID		PA DEP Act 2 Direct Contact Standard for Residential Soils (0-15 ft)	EA-S4-1A (0-1)			EA-S4-1A (1-6)			EA-S5-1A (0-1)			EA-S5-1A (1-6)		
Lab Sample ID			410-213184-5			410-213184-7			410-213184-1			410-213184-3		
Map ID			Home 5			Home 5			Home 6			Home 6		
Description			Soil; 0-1in.			Soil; 1-6in.			Soil; 0-1in.			Soil; 1-6in.		
Zone			Debris Field Evacuation Zone A Subzone 4			Debris Field Evacuation Zone A Subzone 4			Debris Field Evacuation Zone A Subzone 5			Debris Field Evacuation Zone A Subzone 5		
Sampling Date			3/18/2025			3/18/2025			3/18/2025			3/18/2025		
Parameter	**Unit**		**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**
Polycyclic Aromatic Hydrocarbons (PAHs) - SW8270E SIM														
Acenaphthene	ug/kg	13000000	6.9		2.8	3.9		2.2	13	J	25	37		2.0
Acenaphthylene	ug/kg	13000000	22		2.8	18		2.2	40		25	49		2.0
Anthracene	ug/kg	66000000	25		2.8	19		2.2	53		25	180		2.0
Benzo(a)anthracene	ug/kg	6100	140		2.8	88		2.2	250		25	650		20
Benzo(a)pyrene	ug/kg	4200	150		2.8	98		2.2	270		25	580		20
Benzo(b)fluoranthene	ug/kg	3500	200		2.8	140		2.2	340		25	720		20
Benzo(g,h,i)perylene	ug/kg	13000000	97		2.8	65		2.2	180		25	310		2.0
Benzo(k)fluoranthene	ug/kg	3500	68		2.8	43		2.2	150		25	250		2.0
Chrysene	ug/kg	35000	140		2.8	89		2.2	280		25	550		20
Dibenz(a,h)anthracene	ug/kg	1000	30		2.8	20		2.2	57		25	99		2.0
Fluoranthene	ug/kg	8800000	280		2.8	180		2.2	520		25	1400		20
Fluorene	ug/kg	8800000	7.1		2.8	4.1		2.2	14	J	25	44		2.0
Indeno(1,2,3-cd)pyrene	ug/kg	3500	120		2.8	79		2.2	210		25	390		2.0
Naphthalene	ug/kg	13000	5.9		5.6	4.7		4.3	< 20		49	14		4.0
Phenanthrene	ug/kg	66000000	110		3.9	71		3.0	220		35	810		28
Pyrene	ug/kg	6600000	220		2.8	140		2.2	440		25	1000		20
2-Methylnaphthalene	ug/kg	57000	5.1	J	2.2	3.9	J	4.3	< 20		49	8.4		4.0
Metals - 6020B and 7471B (Mercury)														
Aluminum	mg/kg	190000	34000		29	32000		22	25000		21	19000		18
Antimony	mg/kg	88	2.5		0.29	2.7		0.22	0.72		0.21	0.46		0.18
Arsenic	mg/kg	12	7.8		0.59	7.6		0.45	9.1		0.41	8.5		0.37
Barium	mg/kg	44000	210		0.59	220		0.45	160		0.41	120		0.37
Beryllium	mg/kg	440	1.9		0.15	1.8		0.11	1.1		0.10	0.84		0.092
Cadmium	mg/kg	110	0.68		0.15	0.43		0.11	0.54		0.10	0.39		0.092
Calcium	mg/kg	N/A	1200		59	860		45	14000		41	4600		37
Chromium	mg/kg	190000(1)	49		0.59	48		0.45	48		0.41	34		0.37
Cobalt	mg/kg	66	19		0.29	20		0.22	12		0.21	10		0.18
Copper	mg/kg	7200	67		0.59	370		2.2	36		0.41	28		0.37
Iron	mg/kg	150000	36000		29	33000		110	27000		21	21000		18
Lead	mg/kg	500	1500		1.5	2400	J	1.1	160		0.21	140		0.18
Magnesium	mg/kg	N/A	6000		15	5600		11	7600		10	4200		9.2
Manganese	mg/kg	31000	460		0.59	620		0.45	570		0.41	540		0.37
Nickel	mg/kg	4400	39		0.59	36		0.45	24		0.41	22		0.37
Potassium	mg/kg	N/A	5100		59	4500		45	3400		41	2400		37
Selenium	mg/kg	1100	0.90		0.59	0.87		0.45	0.58		0.41	0.41		0.37
Silver	mg/kg	1100	0.41		0.15	0.52		0.11	0.14		0.10	0.12		0.092
Sodium	mg/kg	N/A	110		74	91		56	150		52	140		46
Thallium	mg/kg	2.2	0.50		0.15	0.46		0.11	0.27		0.10	0.21		0.092
Zinc	mg/kg	66000	330		44	370		34	190		31	140		28
Vanadium	mg/kg	1100	64		1.2	65		0.90	48		0.82	38		0.74
Mercury	mg/kg	35	0.24		0.1	0.13		0.073	0.13		0.083	0.13		0.068
Cyanide Total- 9012B and Cyanide Free - Kelada-01 Rev 1.2														
Cyanide, Total	mg/kg	N/A	< 0.29		0.82	< 0.22		0.62	< 0.26		0.72	< 0.20		0.57
Cyanide, Free	mg/kg	130	< 1.51		1.51	< 1.38		1.38	< 1.39		1.39	< 1.22		1.22
Asbestos														
PLM	%	N/A	ND			ND			ND			ND		
TEM	%	N/A	N/A			N/A			N/A			N/A		

ND Non-Detect
J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
J+ Estimated with potential high bias
J- Estimated with potential low bias
UJ Nondetect result, estimated reporting limit
RL Reporting Limit
(1) Most chromium in soil is in the III valence state. PADEP has two screening values for chromium - the value shown is for Chromium III.

Table 1 - Soil Analytical Results Summary

Field Sample ID		PA DEP Act 2 Direct Contact Standard for Residential Soils (0-15 ft)	EA-S6-1A (0-1)			EA-S6-1A (1-6)			EZoneB.Sub 6 (0-1) A			EZoneB.Sub 6 (1-6) A		
Lab Sample ID			410-213184-13			410-213184-15			410-213638-1			410-213638-4		
Map ID			Home 7			Home 7			Home 8			Home 8		
Description			Soil; 0-1in.			Soil; 1-6in.			Soil; 0-1in.			Soil; 1-6in.		
Zone			Debris Field Evacuation Zone A Subzone 6			Debris Field Evacuation Zone A Subzone 6			Debris Field Evacuation Zone A No Subzone			Debris Field Evacuation Zone A No Subzone		
Sampling Date			3/18/2025			3/18/2025			3/20/2025			3/20/2025		
Parameter	**Unit**		**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**
Polycyclic Aromatic Hydrocarbons (PAHs) - SW8270E SIM														
Acenaphthene	ug/kg	13000000	6.3		2.4	2.6		2.2	< 9.8		25	< 8.8		22
Acenaphthylene	ug/kg	13000000	14		2.4	8.6		2.2	13	J	25	27		22
Anthracene	ug/kg	66000000	22		2.4	10		2.2	15	J	25	30		22
Benzo(a)anthracene	ug/kg	6100	120	J+	2.4	54		2.2	88		25	130		22
Benzo(a)pyrene	ug/kg	4200	140	J+	2.4	60		2.2	96		25	160		22
Benzo(b)fluoranthene	ug/kg	3500	190	J+	2.4	83		2.2	140		25	220		22
Benzo(g,h,i)perylene	ug/kg	13000000	95	J+	2.4	36		2.2	61		25	110		22
Benzo(k)fluoranthene	ug/kg	3500	83	J+	2.4	28		2.2	48		25	91		22
Chrysene	ug/kg	35000	140		2.4	57		2.2	97		25	160		22
Dibenz(a,h)anthracene	ug/kg	1000	28		2.4	11		2.2	17	J	25	46		22
Fluoranthene	ug/kg	8800000	280		2.4	120		2.2	180		25	340		22
Fluorene	ug/kg	8800000	5.7		2.4	2.7		2.2	< 9.8		25	11	J	22
Indeno(1,2,3-cd)pyrene	ug/kg	3500	110	J+	2.4	45		2.2	81		25	140		22
Naphthalene	ug/kg	13000	6.2		4.7	2.9	J	4.4	< 20		49	< 18		44
Phenanthrene	ug/kg	66000000	110		3.3	48		3.1	59		34	210		31
Pyrene	ug/kg	6600000	210		2.4	90		2.2	140		25	280		22
2-Methylnaphthalene	ug/kg	57000	6.0		1.9	2.6	J	1.8	< 20		49	< 18		44
Metals - 6020B and 7471B (Mercury)														
Aluminum	mg/kg	190000	34000		25	30000		18	22000		24	22000		23
Antimony	mg/kg	88	0.62		0.25	0.51		0.18	0.49	J-	0.24	0.49	J-	0.23
Arsenic	mg/kg	12	5.5		0.50	5.0		0.36	8.1	J	0.48	8.5	J	0.47
Barium	mg/kg	44000	130		0.50	120		0.36	100	J+	0.48	110	J+	0.47
Beryllium	mg/kg	440	1.5		0.12	1.5		0.091	1.1	J	0.12	2.3	J	0.12
Cadmium	mg/kg	110	0.70		0.12	0.46		0.091	0.43		0.12	0.37		0.12
Calcium	mg/kg	N/A	2400		50	870		36	3700		48	3500		47
Chromium	mg/kg	190000(1)	36		0.50	34		0.36	31	J	0.48	51	J	0.47
Cobalt	mg/kg	66	21		0.25	19		0.18	13		0.24	14		0.23
Copper	mg/kg	7200	37		0.50	33		0.36	29		0.48	36		0.47
Iron	mg/kg	150000	35000		25	31000		91	28000		24	38000		120
Lead	mg/kg	500	140		0.25	110		0.18	97		0.24	90		0.23
Magnesium	mg/kg	N/A	7100		12	6000		9.1	4400		12	5100		12
Manganese	mg/kg	31000	540		0.50	430		0.36	530		0.48	560		0.47
Nickel	mg/kg	4400	39		0.50	34		0.36	23	J	0.48	29	J	0.47
Potassium	mg/kg	N/A	4700		50	4200		36	2800		48	2600		47
Selenium	mg/kg	1100	0.37	J	0.50	0.40		0.36	0.60		0.48	0.88		0.47
Silver	mg/kg	1100	0.70		0.12	0.29		0.091	0.11	J	0.12	0.098	J	0.12
Sodium	mg/kg	N/A	94		62	90		46	83	J	60	81	J	59
Thallium	mg/kg	2.2	0.47		0.12	0.41		0.091	0.33		0.12	0.37		0.12
Zinc	mg/kg	66000	210		37	160		27	140	J+	36	130	J+	35
Vanadium	mg/kg	1100	58		1.0	53		0.73	45	J	0.97	53	J	0.94
Mercury	mg/kg	35	0.22		0.082	0.21		0.076	0.82		0.089	0.74		0.15
Cyanide Total- 9012B and Cyanide Free - Kelada-01 Rev 1.2														
Cyanide, Total	mg/kg	N/A	< 0.25		0.7	< 0.24		0.66	< 0.25		0.68	< 0.23		0.64
Cyanide, Free	mg/kg	130	< 1.57		1.57	< 1.21		1.21	< 1.36		1.36	< 1.30		1.30
Asbestos														
PLM	%	N/A	ND			ND			ND			ND		
TEM	%	N/A	N/A			N/A			N/A			N/A		

ND Non-Detect
J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
J+ Estimated with potential high bias
J- Estimated with potential low bias
UJ Nondetect result, estimated reporting limit
RL Reporting Limit
(1) Most chromium in soil is in the III valence state. PADEP has two screening values for chromium - the value shown is for Chromium III.

Table 1 - Soil Analytical Results Summary

Field Sample ID		PA DEP Act 2 Direct Contact Standard for Residential Soils (0-15 ft)	EZoneB.Sub4(0-1)A			EZoneB.Sub4(1-6)A			EZoneB.Sub5(0-1)A			EZoneB.Sub5(1-6)A		
Lab Sample ID			410-213624-3			410-213624-1			410-213619-1			410-213619-3		
Map ID			Home 9			Home 9			Home 10			Home 10		
Description			Soil; 0-1in.			Soil; 1-6in.			Soil; 0-1in.			Soil; 1-6in.		
Zone			Debris Field Evacuation Zone B Subzone 1			Debris Field Evacuation Zone B Subzone 1			Debris Field Evacuation Zone B Subzone 2			Debris Field Evacuation Zone B Subzone 2		
Sampling Date			3/20/2025			3/20/2025			3/21/2025			3/21/2025		
Parameter	**Unit**		**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**
Polycyclic Aromatic Hydrocarbons (PAHs) - SW8270E SIM														
Acenaphthene	ug/kg	13000000	100		24	79		21	37		23	16	J	24
Acenaphthylene	ug/kg	13000000	120		24	140		21	160		23	92		24
Anthracene	ug/kg	66000000	350		24	310		21	180		23	84		24
Benzo(a)anthracene	ug/kg	6100	1300		24	1300		21	1000		23	480		24
Benzo(a)pyrene	ug/kg	4200	1400		24	1400		21	1000		23	490		24
Benzo(b)fluoranthene	ug/kg	3500	1900		24	1900		21	1400		23	660		24
Benzo(g,h,i)perylene	ug/kg	13000000	900		24	860		21	630		23	300		24
Benzo(k)fluoranthene	ug/kg	3500	720		24	650		21	520		23	240		24
Chrysene	ug/kg	35000	1300		24	1400		21	1100		23	490		24
Dibenz(a,h)anthracene	ug/kg	1000	250		24	230		21	170		23	83		24
Fluoranthene	ug/kg	8800000	2700		24	2700		21	2100		23	960		24
Fluorene	ug/kg	8800000	110		24	84		21	44		23	21	J	24
Indeno(1,2,3-cd)pyrene	ug/kg	3500	1100		24	1000		21	780		23	370		24
Naphthalene	ug/kg	13000	76		49	28	J	43	22	J	46	< 19		48
Phenanthrene	ug/kg	66000000	1400		34	1200		30	740		32	340		33
Pyrene	ug/kg	6600000	2200		24	2100		21	1600		23	730		24
2-Methylnaphthalene	ug/kg	57000	49		49	23	J	43	< 18		46	< 19		48
Metals - 6020B and 7471B (Mercury)														
Aluminum	mg/kg	190000	21000		22	26000		23	18000		19	19000		26
Antimony	mg/kg	88	1.2		0.22	1.3		0.23	0.80		0.19	1.1		0.26
Arsenic	mg/kg	12	6.7		0.43	7.8		0.45	6.6		0.37	8.3		0.52
Barium	mg/kg	44000	140		0.43	180		0.45	190		0.37	210		0.52
Beryllium	mg/kg	440	1.3		0.11	1.7		0.11	1.6		0.094	1.8		0.13
Cadmium	mg/kg	110	0.83		0.11	0.80		0.11	0.91		0.094	0.92		0.13
Calcium	mg/kg	N/A	2800		43	2100		45	3800		37	3800		52
Chromium	mg/kg	190000(1)	35		0.43	40		0.45	33		0.37	37		0.52
Cobalt	mg/kg	66	13		0.22	21		0.23	9.7		0.19	11		0.26
Copper	mg/kg	7200	54		0.43	58		0.45	66		0.37	69		0.52
Iron	mg/kg	150000	29000		22	36000		110	26000		19	28000		26
Lead	mg/kg	500	430		1.1	460		1.1	1100		0.94	800		1.3
Magnesium	mg/kg	N/A	2800		11	4600		11	2400		9.4	3000		13
Manganese	mg/kg	31000	480		0.43	870		0.45	500		0.37	580		0.52
Nickel	mg/kg	4400	23		0.43	35		0.45	18		0.37	23		0.52
Potassium	mg/kg	N/A	2600		43	3100		45	1300		37	1600		52
Selenium	mg/kg	1100	0.91		0.43	0.95		0.45	0.91		0.37	0.80		0.52
Silver	mg/kg	1100	0.21		0.11	0.24		0.11	0.26		0.094	0.33		0.13
Sodium	mg/kg	N/A	540		54	310		57	180		47	170		65
Thallium	mg/kg	2.2	0.25		0.11	0.39		0.11	0.20		0.094	0.27		0.13
Zinc	mg/kg	66000	310		32	340		34	440		140	460		200
Vanadium	mg/kg	1100	49		0.86	59		0.90	37		0.75	40		1.0
Mercury	mg/kg	35	0.27		0.088	0.26		0.074	0.46		0.081	0.33		0.083
Cyanide Total- 9012B and Cyanide Free - Kelada-01 Rev 1.2														
Cyanide, Total	mg/kg	N/A	1.2		0.73	0.43	J	0.59	< 0.25		0.69	< 0.25		0.70
Cyanide, Free	mg/kg	130	1.42		1.42	< 1.63		1.63	< 1.49		1.49	< 1.53		1.53
Asbestos														
PLM	%	N/A	ND			ND			ND			ND		
TEM	%	N/A	N/A			N/A			N/A			N/A		

ND Non-Detect
J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
J+ Estimated with potential high bias
J- Estimated with potential low bias
UJ Nondetect result, estimated reporting limit
RL Reporting Limit
(1) Most chromium in soil is in the III valence state. PADEP has two screening values for chromium - the value shown is for Chromium III.

Table 1 - Soil Analytical Results Summary

Field Sample ID		PA DEP Act 2 Direct Contact Standard for Residential Soils (0-15 ft)	EB-S3-1A (0-1)			EB-S3-1A (1-6)			EZoneB.Sub 1 (0-1) A			EZoneB.Sub 1 (1-6) A		
Lab Sample ID			410-214425-19			410-214425-2			410-213614-1			410-213614-3		
Map ID			Home 11			Home 11			Home 12			Home 12		
Description			Soil; 0-1in.			Soil; 1-6in.			Soil; 0-1in.			Soil; 1-6in.		
Zone			Debris Field Evacuation Zone B Subzone 3			Debris Field Evacuation Zone B Subzone 3			Debris Field Ancillary Zone			Debris Field Ancillary Zone		
Sampling Date			3/19/2025			3/19/2025			3/20/2025			3/20/2025		
Parameter	**Unit**		**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**
Polycyclic Aromatic Hydrocarbons (PAHs) - SW8270E SIM														
Acenaphthene	ug/kg	13000000	12		12	11		2.1	23		23	20	J	21
Acenaphthylene	ug/kg	13000000	130		12	88		2.1	63		23	59		21
Anthracene	ug/kg	66000000	83		12	79		2.1	98		23	81		21
Benzo(a)anthracene	ug/kg	6100	460		12	400		2.1	500		23	390		21
Benzo(a)pyrene	ug/kg	4200	500		12	480		11	520		23	410		21
Benzo(b)fluoranthene	ug/kg	3500	700		12	640		11	720		23	560		21
Benzo(g,h,i)perylene	ug/kg	13000000	340		12	310		2.1	320		23	250		21
Benzo(k)fluoranthene	ug/kg	3500	300		12	240		2.1	250		23	200		21
Chrysene	ug/kg	35000	510		12	420		2.1	520		23	410		21
Dibenz(a,h)anthracene	ug/kg	1000	100		12	90		2.1	95		23	71		21
Fluoranthene	ug/kg	8800000	1100		12	1000		11	1100		23	850		21
Fluorene	ug/kg	8800000	33		12	21		2.1	27		23	22		21
Indeno(1,2,3-cd)pyrene	ug/kg	3500	400		12	360		2.1	390		23	310		21
Naphthalene	ug/kg	13000	33		24	16		4.3	< 18		46	< 17		42
Phenanthrene	ug/kg	66000000	560		17	480		15	470		32	360		29
Pyrene	ug/kg	6600000	840		12	780		11	820		23	650		21
2-Methylnaphthalene	ug/kg	57000	17	J	24	9.6		4.3	< 18		46	< 17		42
Metals - 6020B and 7471B (Mercury)														
Aluminum	mg/kg	190000	29000		27	28000		21	22000		23	34000		23
Antimony	mg/kg	88	2.8	J	0.27	1.8	J	0.21	0.60		0.23	0.65		0.23
Arsenic	mg/kg	12	9.3		0.53	8.2		0.41	19		0.46	26		0.46
Barium	mg/kg	44000	320		0.53	330		0.41	190		0.46	280		0.46
Beryllium	mg/kg	440	1.3		0.13	1.3		0.10	1.2		0.11	1.9		0.12
Cadmium	mg/kg	110	1.4		0.13	1.4		0.10	1.2		0.11	2.4		0.12
Calcium	mg/kg	N/A	3800		53	2500		41	1700		46	2100		46
Chromium	mg/kg	190000(1)	47		0.53	40		0.41	35		0.46	51		0.46
Cobalt	mg/kg	66	18		0.27	15		0.21	12		0.23	24		0.23
Copper	mg/kg	7200	85	J	0.53	81	J	0.41	30		0.46	41		0.46
Iron	mg/kg	150000	34000		27	27000		21	27000		23	39000		120
Lead	mg/kg	500	610		1.3	550		1.0	450		1.1	570		1.2
Magnesium	mg/kg	N/A	4800		13	4800		10	4200		11	7300		12
Manganese	mg/kg	31000	680		0.53	580		0.41	560		0.46	930		0.46
Nickel	mg/kg	4400	31		0.53	29		0.41	24		0.46	38		0.46
Potassium	mg/kg	N/A	4500		53	4600		41	2300		46	4000		46
Selenium	mg/kg	1100	1.0		0.53	0.90		0.41	0.72		0.46	0.92		0.46
Silver	mg/kg	1100	7.7		0.13	1.3		0.10	0.13		0.11	0.18		0.12
Sodium	mg/kg	N/A	160		67	130		52	93		57	140		58
Thallium	mg/kg	2.2	0.47		0.13	0.51	J	0.52	0.30		0.11	0.47		0.12
Zinc	mg/kg	66000	480		200	450		150	330		34	400		35
Vanadium	mg/kg	1100	52		1.1	47		0.83	49		0.92	74		0.93
Mercury	mg/kg	35	0.48	J+	0.084	0.43	J+	0.076	0.14		0.082	0.13		0.075
Cyanide Total- 9012B and Cyanide Free - Kelada-01 Rev 1.2														
Cyanide, Total	mg/kg	N/A	< 0.26		0.71	< 0.23		0.64	< 0.23		0.63	< 0.22		0.62
Cyanide, Free	mg/kg	130	< 1.39		1.39	< 1.32		1.32	< 1.30		1.3	< 1.22		1.22
Asbestos														
PLM	%	N/A	ND			ND			ND			ND		
TEM	%	N/A	N/A			N/A			N/A			N/A		

ND Non-Detect
J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
J+ Estimated with potential high bias
J- Estimated with potential low bias
UJ Nondetect result, estimated reporting limit
RL Reporting Limit
(1) Most chromium in soil is in the III valence state. PADEP has two screening values for chromium - the value shown is for Chromium III.

Table 1 - Soil Analytical Results Summary

Field Sample ID		PA DEP Act 2 Direct Contact Standard for Residential Soils (0-15 ft)	BB.RES2.S1A (0-1)			BB.RES2.S1A (1-6)		
Lab Sample ID			410-213184-17			410-213184-19		
Map ID			Home 14			Home 14		
Description			Soil; 0-1in.			Soil; 1-6in.		
Zone			Background Zone B Subzone 2			Background Zone B Subzone 2		
Sampling Date			3/18/2025			3/18/2025		
Parameter	**Unit**		**Result**	**Q**	**RL**	**Result**	**Q**	**RL**
Polycyclic Aromatic Hydrocarbons (PAHs) - SW8270E SIM								
Acenaphthene	ug/kg	13000000	5.8		2.3	15		2.0
Acenaphthylene	ug/kg	13000000	19		2.3	18		2.0
Anthracene	ug/kg	66000000	29		2.3	48		2.0
Benzo(a)anthracene	ug/kg	6100	150		2.3	220		2.0
Benzo(a)pyrene	ug/kg	4200	150		2.3	220		2.0
Benzo(b)fluoranthene	ug/kg	3500	220		2.3	290		2.0
Benzo(g,h,i)perylene	ug/kg	13000000	100		2.3	130		2.0
Benzo(k)fluoranthene	ug/kg	3500	72		2.3	110		2.0
Chrysene	ug/kg	35000	150		2.3	210		2.0
Dibenz(a,h)anthracene	ug/kg	1000	32		2.3	45		2.0
Fluoranthene	ug/kg	8800000	250		2.3	370		2.0
Fluorene	ug/kg	8800000	5.6		2.3	13		2.0
Indeno(1,2,3-cd)pyrene	ug/kg	3500	120		2.3	160		2.0
Naphthalene	ug/kg	13000	9.6		4.5	11		4.1
Phenanthrene	ug/kg	66000000	98		3.2	180		2.9
Pyrene	ug/kg	6600000	190		2.3	270		2.0
2-Methylnaphthalene	ug/kg	57000	7.1		1.8	11		1.6
Metals - 6020B and 7471B (Mercury)								
Aluminum	mg/kg	190000	29000		27	29000		21
Antimony	mg/kg	88	1.3		0.27	1.5		0.21
Arsenic	mg/kg	12	6.5		0.55	8.2		0.42
Barium	mg/kg	44000	230		0.55	250		0.42
Beryllium	mg/kg	440	1.1		0.14	1.1		0.10
Cadmium	mg/kg	110	2.0		0.14	2.2		0.10
Calcium	mg/kg	N/A	5100		55	4600		42
Chromium	mg/kg	190000(1)	34		0.55	39		0.42
Cobalt	mg/kg	66	13		0.27	13		0.21
Copper	mg/kg	7200	60		0.55	99		0.42
Iron	mg/kg	150000	33000		27	41000		100
Lead	mg/kg	500	530		1.4	750		1.0
Magnesium	mg/kg	N/A	7100		14	6700		10
Manganese	mg/kg	31000	500		0.55	540		0.42
Nickel	mg/kg	4400	22		0.55	24		0.42
Potassium	mg/kg	N/A	5400		55	5000		42
Selenium	mg/kg	1100	0.82		0.55	0.70		0.42
Silver	mg/kg	1100	0.19		0.14	0.18		0.10
Sodium	mg/kg	N/A	91		68	91		52
Thallium	mg/kg	2.2	0.37		0.14	0.35		0.10
Zinc	mg/kg	66000	490		210	500		160
Vanadium	mg/kg	1100	51		1.1	52		0.84
Mercury	mg/kg	35	0.67		0.077	0.61		0.068
Cyanide Total- 9012B and Cyanide Free - Kelada-01 Rev 1.2								
Cyanide, Total	mg/kg	N/A	< 0.23		0.65	< 0.20		0.56
Cyanide, Free	mg/kg	130	< 1.47		1.47	< 1.50		1.50
Asbestos								
PLM	%	N/A	ND			ND		
TEM	%	N/A	N/A			N/A		

ND Non-Detect
J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
J+ Estimated with potential high bias
J- Estimated with potential low bias
UJ Nondetect result, estimated reporting limit
RL Reporting Limit
(1) Most chromium in soil is in the III valence state. PADEP has two screening values for chromium - the value shown is for Chromium III.

Table 1 - Soil Analytical Results Summary

Cedar Hallowell	PA DEP Act 2 Direct Contact Standard for Residential Soils (0-15 ft)	CM-1A (0-1)			CM-1A (1-6)			HP-1A (0-1)			HP-1A (1-6)		
Lab Sample ID		410-212492-6			410-212492-11			410-212492-2			410-212492-3		
Map ID		MP-1			MP-1			HP-1			HP-1		
Description		Soil; 0-1in.			Soil; 1-6in.			Soil; 0-1in.			Soil; 1-6in.		
Physical Address		Cedar Street Moretti Park 435 Cedar St			Cedar Street Moretti Park 435 Cedar St			Hallowell Park 1900 Kenmore Ave			Hallowell Park 1900 Kenmore Ave		
Sampling Date		3/15/2025			3/15/2025			3/15/2025			3/15/2025		
Parameter	**Unit**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**
Polycyclic Aromatic Hydrocarbons (PAHs) - SW8270E SIM													
Acenaphthene	ug/kg	13000000	< 0.80		2.0	44		1.9	12		8.4	5.7		2.1
Acenaphthylene	ug/kg	13000000	1.5	J	2.0	8.1		1.9	26		8.4	21		2.1
Anthracene	ug/kg	66000000	2.2		2.0	140		1.9	42		8.4	30		2.1
Benzo(a)anthracene	ug/kg	6100	9.4		2.0	460		19	140		8.4	140		2.1
Benzo(a)pyrene	ug/kg	4200	14		2.0	400		19	160		8.4	150		2.1
Benzo(b)fluoranthene	ug/kg	3500	21		2.0	580		19	210		8.4	220		2.1
Benzo(g,h,i)perylene	ug/kg	13000000	12		2.0	260		1.9	110		8.4	99		2.1
Benzo(k)fluoranthene	ug/kg	3500	7.0		2.0	210		1.9	96		8.4	71		2.1
Chrysene	ug/kg	35000	13		2.0	440		19	150		8.4	150		2.1
Dibenz(a,h)anthracene	ug/kg	1000	3.7		2.0	75		1.9	32		8.4	29		2.1
Fluoranthene	ug/kg	8800000	23		2.0	1100		19	290		8.4	280		2.1
Fluorene	ug/kg	8800000	< 0.80		2.0	46		1.9	12		8.4	7.1		2.1
Indeno(1,2,3-cd)pyrene	ug/kg	3500	13		2.0	320		1.9	130		8.4	120		2.1
Naphthalene	ug/kg	13000	1.7	J	4.0	5.3		3.8	6.9	J	17	3.8	J	4.2
Phenanthrene	ug/kg	66000000	10		2.8	680		27	140		12	120		3.0
Pyrene	ug/kg	6600000	18		2.0	800		19	230		8.4	220		2.1
2-Methylnaphthalene	ug/kg	57000	1.8	J	4.0	5.9		3.8	< 6.7		17	3.5	J	4.2
Metals - 6020B and 7471B (Mercury)													
Aluminum	mg/kg	190000	18000		23	22000		23	20000		26	26000		25
Antimony	mg/kg	88	0.26		0.23	0.35		0.23	0.36		0.26	0.42		0.25
Arsenic	mg/kg	12	5.4		0.46	8.7		0.46	5.9		0.51	8.4		0.51
Barium	mg/kg	44000	130		0.46	170		0.46	120		0.51	150		0.51
Beryllium	mg/kg	440	1.1		0.12	1.4		0.11	0.95		0.13	1.4		0.13
Cadmium	mg/kg	110	0.20		0.12	0.20		0.11	0.20		0.13	0.27		0.13
Calcium	mg/kg	N/A	890		46	2000		46	2600		51	2400		51
Chromium	mg/kg	190000(1)	18		0.46	27		0.46	28		0.51	44		0.51
Cobalt	mg/kg	66	9.1		0.23	13		0.23	11		0.26	16		0.25
Copper	mg/kg	7200	18		0.46	28		0.46	24		0.51	35		0.51
Iron	mg/kg	150000	20000		23	26000		23	26000		26	32000		130
Lead	mg/kg	500	24		0.23	80		0.23	38		0.26	50		0.25
Magnesium	mg/kg	N/A	1600		12	2300		11	3800		13	5400		13
Manganese	mg/kg	31000	800		0.46	900		0.46	620		0.51	920		0.51
Nickel	mg/kg	4400	13		0.46	18		0.46	16		0.51	23		0.51
Potassium	mg/kg	N/A	1500		46	1500		46	2700		51	2800		51
Selenium	mg/kg	1100	0.31	J	0.46	0.45	J	0.46	0.7		0.51	0.77		0.51
Silver	mg/kg	1100	0.051	J	0.12	0.085	J	0.11	0.078	J	0.13	0.098	J	0.13
Sodium	mg/kg	N/A	73		58	98		57	99		64	99		64
Thallium	mg/kg	2.2	0.17		0.12	0.22		0.11	0.20		0.13	0.26		0.13
Zinc	mg/kg	66000	58		35	86		34	83		39	110		38
Vanadium	mg/kg	1100	28		0.92	46		0.91	51		1.0	76		1.0
Mercury	mg/kg	35	0.032	J	0.067	0.083		0.022	0.034	J	0.079	0.079		0.024
Cyanide Total- 9012B and Cyanide Free - Kelada-01 Rev 1.2													
Cyanide, Total	mg/kg	N/A	< 0.20		0.55	< 0.21		0.67	< 0.24		0.67	< 0.22		0.62
Cyanide, Free	mg/kg	130	< 1.24		1.24	< 1.17		1.17	< 1.49		1.49	< 1.19		1.19
Asbestos													
PLM	%	N/A	ND			ND			ND			ND		
TEM	%	N/A	N/A			N/A			N/A			N/A		

ND Non-Detect

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

J+ Estimated with potential high bias

J- Estimated with potential low bias

UJ Nondetect result, estimated reporting limit

RL Reporting Limit

(1) Most chromium in soil is in the III valence state. PADEP has two screening values for chromium - the value shown is for Chromium III.

Table 1 - Soil Analytical Results Summary

Field Sample ID		PA DEP Act 2 Direct Contact Standard for Residential Soils (0-15 ft)	TS-1A (0-1)			TS-1A (1-6)			IC-1A (0-1)			IC-1A (1-6)		
Lab Sample ID			410-212492-10			410-212492-8			410-214421-1			410-214421-3		
Map ID			TS-1			TS-1			IC-1			IC-1		
Description			Soil; 0-1in.			Soil; 1-6in.			Soil; 0-1in.			Soil; 1-6in.		
Physical Address			Jenkintown Town Square 703 Greenwood Ave			Jenkintown Town Square 703 Greenwood Ave			Immaculate Conception 606 West Ave Jenkintown			Immaculate Conception 606 West Ave Jenkintown		
Sampling Date			3/15/2025			3/18/2025			3/18/2025			3/18/2025		
Parameter	**Unit**		**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**
Polycyclic Aromatic Hydrocarbons (PAHs) - SW8270E SIM														
Acenaphthene	ug/kg	13000000	28		21	13	J	20	69		12	44		12
Acenaphthylene	ug/kg	13000000	31		21	26		20	92		12	58		12
Anthracene	ug/kg	66000000	110		21	52		20	330		12	230		12
Benzo(a)anthracene	ug/kg	6100	490		21	290		20	3300		120	2500		12
Benzo(a)pyrene	ug/kg	4200	500		21	300		20	3300		120	2500		12
Benzo(b)fluoranthene	ug/kg	3500	710		21	410		20	5200		120	4000		120
Benzo(g,h,i)perylene	ug/kg	13000000	330		21	200		20	2000		12	1600		12
Benzo(k)fluoranthene	ug/kg	3500	240		21	140		20	1900		12	1400		12
Chrysene	ug/kg	35000	460		21	270		20	3800		120	2900		120
Dibenz(a,h)anthracene	ug/kg	1000	93		21	59		20	660		12	530		12
Fluoranthene	ug/kg	8800000	1000		21	550		20	9000		120	6700		120
Fluorene	ug/kg	8800000	30		21	14	J	20	72		12	46		12
Indeno(1,2,3-cd)pyrene	ug/kg	3500	390		21	230		20	2500		12	2000		12
Naphthalene	ug/kg	13000	< 17		42	< 16		39	26		25	13	J	25
Phenanthrene	ug/kg	66000000	460		30	190		27	3000		170	2000		17
Pyrene	ug/kg	6600000	770		21	420		20	6200		120	4700		120
2-Methylnaphthalene	ug/kg	57000	<17		42	< 16		39	20	J	25	<10		25
Metals - 6020B and 7471B (Mercury)														
Aluminum	mg/kg	190000	20000		17	15000		23	20000		27	27000		23
Antimony	mg/kg	88	0.54		0.17	0.53		0.23	0.43		0.27	0.60		0.23
Arsenic	mg/kg	12	22		0.35	23		0.46	4.6		0.54	8.8		0.46
Barium	mg/kg	44000	110		0.35	88		0.46	140		0.54	180		0.46
Beryllium	mg/kg	440	0.90		0.086	0.66		0.12	0.82		0.13	1.2		0.12
Cadmium	mg/kg	110	0.33		0.086	0.32		0.12	0.28		0.13	0.45		0.12
Calcium	mg/kg	N/A	3900		35	3500		46	59000		270	7700		46
Chromium	mg/kg	190000(1)	34		0.35	24		0.46	35		0.54	48		0.46
Cobalt	mg/kg	66	8.8		0.17	7.4		0.23	11		0.27	14		0.23
Copper	mg/kg	7200	25		0.35	24		0.46	38		0.54	58		0.46
Iron	mg/kg	150000	23000		17	18000		23	24000		27	31000		120
Lead	mg/kg	500	120		0.17	110		0.23	37		0.27	51		0.23
Magnesium	mg/kg	N/A	3300		8.6	3000		12	37000		13	6400		12
Manganese	mg/kg	31000	400		0.35	320		0.46	570		0.54	690		0.46
Nickel	mg/kg	4400	17		0.35	14		0.46	22		0.54	27		0.46
Potassium	mg/kg	N/A	2400		35	1600		46	4800		54	4200		46
Selenium	mg/kg	1100	0.62		0.35	0.65		0.46	0.28	J	0.54	0.56		0.46
Silver	mg/kg	1100	0.10		0.086	0.071	J	0.12	0.66		0.13	1.5		0.12
Sodium	mg/kg	N/A	290		43	130		58	170		67	150		58
Thallium	mg/kg	2.2	0.24		0.086	0.19		0.12	0.27		0.13	0.28		0.12
Zinc	mg/kg	66000	150		26	120		35	120		40	160		35
Vanadium	mg/kg	1100	42		0.69	32		0.92	51		1.1	63		0.93
Mercury	mg/kg	35	0.12		0.076	0.14		0.067	0.12		0.084	0.17		0.09
Cyanide Total- 9012B and Cyanide Free - Kelada-01 Rev 1.2														
Cyanide, Total	mg/kg	N/A	< 0.23		0.64	< 0.21		0.59	< 0.25		0.68	< 0.27		0.76
Cyanide, Free	mg/kg	130	< 1.30		1.30	< 1.18		1.18	< 1.43	UJ	1.43	< 1.30	UJ	1.30
Asbestos														
PLM	%	N/A	ND			ND			ND			ND		
TEM	%	N/A	N/A			N/A			N/A			N/A		

ND Non-Detect
J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
J+ Estimated with potential high bias
J- Estimated with potential low bias
UJ Nondetect result, estimated reporting limit
RL Reporting Limit
(1) Most chromium in soil is in the III valence state. PADEP has two screening values for chromium - the value shown is for Chromium III.

Table 2 - Wipe Sample Results Summary

		Field Sample ID	EZoneA.Sub1.Meth.1A			EZoneA.Sub1.Meth.2A			EZoneA.Sub1.Meth.3A			EZoneB.Sub2.Meth.1A			EZoneB.Sub2.Meth.2A			EZoneB.Sub2.Meth.3A		
		Lab Sample ID	410-213577-8			410-213577-10			410-213577-12			410-213173-8			410-213173-10			410-213173-12		
		Map ID	Home 1			Home 1			Home 1			Home 2			Home 2			Home 2		
		Description	Wipe			Wipe			Wipe			Wipe			Wipe			Wipe		
		Zone	Debris Field Evacuation Zone A Subzone 1			Debris Field Evacuation Zone A Subzone 1			Debris Field Evacuation Zone A Subzone 1			Debris Field Evacuation Zone A Subzone 2			Debris Field Evacuation Zone A Subzone 2			Debris Field Evacuation Zone A Subzone 2		
		Description of Area in the Home	under fridge (historic dust)			under dining room chest			under TV cabinet			under fridge (historic dust)			under radiator			under couch		
		Sampling Date	3/20/2025			3/20/2025			3/20/2025			3/19/2025			3/19/2025			3/19/2025		
Parameter	Unit	PA PAH WTC INDOOR	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL
Polycyclic Aromatic Hydrocarbons (PAHs) - SW8270E																				
Acenaphthene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	0.44	J	0.5
Acenaphthylene	ug/wipe	1.45	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	0.44	J	0.5
Anthracene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	0.48	J	0.5
Benzo(a)anthracene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	0.61	J	0.5
Benzo(a)pyrene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	0.53	J	0.5
Benzo(b)fluoranthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	0.62	J	0.5
Benzo(g,h,i)perylene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	0.69	J	0.5
Benzo(k)fluoranthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	0.56	J	0.5
Chrysene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	0.64	J	0.5
Dibenz(a,h)anthracene	ug/wipe	1.45	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5	0.62	J	0.5
Fluoranthene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	0.73	J	0.5
Fluorene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	0.46	J	0.5
Indeno(1,2,3-cd)pyrene	ug/wipe	1.45	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	0.72	J	0.5
Naphthalene	ug/wipe	1.45	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5	0.39	J	0.5
Phenanthrene	ug/wipe	1.45	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	0.61	J	0.5
Pyrene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	0.63	J	0.5
2-Methylnaphthalene	ug/wipe	1.45	< 0.15	UJ	0.5	< 0.15	UJ	0.5	< 0.15	UJ	0.5	< 0.15	UJ	0.5	< 0.15	UJ	0.5	0.44	J	0.5

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
UJ Nondetect result, estimated reporting limit
RL Reporting Limit

Table 2 - Wipe Sample Results Summary

		Field Sample ID	EZoneA.Sub2.Meth.1A			EZoneA.Sub2.Meth.2A			EZoneA.Sub2.Meth.3A			EZoneA.Sub3.Meth.1B			EZoneA.Sub3.Meth.2B			EZoneA.Sub3.Meth.3B		
		Lab Sample ID	410-213168-11			410-213168-13			410-213168-15			410-213588-2			410-213588-4			410-213588-6		
		Map ID	Home 3			Home 3			Home 3			Home 4 (Duplicate)			Home 4 (Duplicate)			Home 4 (Duplicate)		
		Description	Wipe			Wipe			Wipe			Wipe DUPLICATE			Wipe DUPLICATE			Wipe DUPLICATE		
		Zone	Debris Field Evacuation Zone A Subzone 2			Debris Field Evacuation Zone A Subzone 2			Debris Field Evacuation Zone A Subzone 2			Debris Field Evacuation Zone A Subzone 3			Debris Field Evacuation Zone A Subzone 3			Debris Field Evacuation Zone A Subzone 3		
		Description of Area in the Home	under fridge (historic dust)			between washer and dryer			under bed in upstairs room			under fridge (historic dust)			under living room radiator			under front room radiator		
		Sampling Date	3/18/2025			3/18/2025			3/18/2025			3/21/2025			3/21/2025			3/21/2025		
Parameter	**Unit**	**PA PAH WTC INDOOR**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**
Polycyclic Aromatic Hydrocarbons (PAHs) - SW8270E																				
Acenaphthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Acenaphthylene	ug/wipe	1.45	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5
Anthracene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Benzo(a)anthracene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Benzo(a)pyrene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Benzo(b)fluoranthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	0.13	J	0.5	< 0.10		0.5
Benzo(g,h,i)perylene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Benzo(k)fluoranthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Chrysene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Dibenz(a,h)anthracene	ug/wipe	1.45	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5
Fluoranthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	0.11	J	0.5	< 0.10		0.5
Fluorene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Indeno(1,2,3-cd)pyrene	ug/wipe	1.45	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5
Naphthalene	ug/wipe	1.45	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5
Phenanthrene	ug/wipe	1.45	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5
Pyrene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
2-Methylnaphthalene	ug/wipe	1.45	< 0.15		0.5	< 0.15		0.5	< 0.15		0.5	< 0.15		0.5	< 0.15		0.5	< 0.15		0.5

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

UJ Nondetect result, estimated reporting limit

RL Reporting Limit

Note - Duplicate ("B") samples were analyzed for Home 4 due to laboratory quality assurance non-conformance with the "A" sample.

Table 2 - Wipe Sample Results Summary

		Field Sample ID	EZoneA.Sub4.Meth.1A			EZoneA.Sub4.Meth.2A			EZoneA.Sub4.Meth.3A			EZoneA.Sub5.Meth.1A			EZoneA.Sub5.Meth.2A			EZoneA.Sub5.Meth.3A		
		Lab Sample ID	410-213167-11			410-213167-13			410-213167-15			410-213157-8			410-213157-10			410-213157-12		
		Map ID	Home 5			Home 5			Home 5			Home 6			Home 6			Home 6		
		Description	Wipe			Wipe			Wipe			Wipe			Wipe			Wipe		
		Zone	Debris Field Evacuation Zone A Subzone 4			Debris Field Evacuation Zone A Subzone 4			Debris Field Evacuation Zone A Subzone 4			Debris Field Evacuation Zone A Subzone 5			Debris Field Evacuation Zone A Subzone 5			Debris Field Evacuation Zone A Subzone 5		
		Description of Area in the Home	top of fridge (historic dust)			under couch near TV			under couch near front room			under fridge (historic dust)			under leather couch			under green couch		
		Sampling Date	3/18/2025			3/18/2025			3/18/2025			3/18/2025			3/18/2025			3/18/2025		
Parameter	Unit	PA PAH WTC INDOOR	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL
Polycyclic Aromatic Hydrocarbons (PAHs) - SW8270E																				
Acenaphthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Acenaphthylene	ug/wipe	1.45	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5
Anthracene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Benzo(a)anthracene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Benzo(a)pyrene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Benzo(b)fluoranthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Benzo(g,h,i)perylene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Benzo(k)fluoranthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Chrysene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Dibenz(a,h)anthracene	ug/wipe	1.45	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5
Fluoranthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Fluorene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Indeno(1,2,3-cd)pyrene	ug/wipe	1.45	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5
Naphthalene	ug/wipe	1.45	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5
Phenanthrene	ug/wipe	1.45	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5
Pyrene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
2-Methylnaphthalene	ug/wipe	1.45	< 0.15		0.5	< 0.15		0.5	< 0.15		0.5	< 0.15		0.5	< 0.15		0.5	< 0.15		0.5

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
UJ Nondetect result, estimated reporting limit
RL Reporting Limit

Table 2 - Wipe Sample Results Summary

		Field Sample ID	EZoneA.Sub6.Meth.1A			EZoneA.Sub6.Meth.2A			EZoneA.Sub6.Meth.3A			EZoneB.Sub6.Meth.1A			EZoneB.Sub6.Meth.2A			EZoneB.Sub6.Meth.2B			EZoneB.Sub6.Meth.3A		
		Lab Sample ID	410-213165-11			410-213165-13			410-213165-15			410-213584-8			410-213584-10			410-213584-11			410-213584-12		
		Map ID	Home 7			Home 7			Home 7			Home 8			Home 8			Home 8 (Duplicate)			Home 8		
		Description	Wipe			Wipe			Wipe			Wipe			Wipe			Wipe DUPLICATE			Wipe		
		Zone	Debris Field Evacuation Zone A Subzone 6			Debris Field Evacuation Zone A Subzone 6			Debris Field Evacuation Zone A Subzone 6			Debris Field Evacuation Zone A No Subzone			Debris Field Evacuation Zone A No Subzone			Debris Field Evacuation Zone A No Subzone			Debris Field Evacuation Zone A No Subzone		
		Description of Area in the Home	under fridge (historic dust)			under chest in kitchen			under drawers in bathroom			under fridge (historic dust)			under armoire near back door			under armoire near back door			under couch in living room		
		Sampling Date	3/18/2025			3/18/2025			3/18/2025			3/20/2025			3/20/2025			3/20/2025			3/20/2025		
Parameter	Unit	PA PAH WTC INDOOR	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL
Polycyclic Aromatic Hydrocarbons (PAHs) - SW8270E																							
Acenaphthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10	UJ	0.5				0.15	J	0.5	< 0.10	UJ	0.5
Acenaphthylene	ug/wipe	1.45	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5				< 0.12	UJ	0.5
Anthracene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10	UJ	0.5				0.17	J	0.5	< 0.10	UJ	0.5
Benzo(a)anthracene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10	UJ	0.5				0.13	J	0.5	< 0.10	UJ	0.5
Benzo(a)pyrene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10	UJ	0.5				0.14	J	0.5	< 0.10	UJ	0.5
Benzo(b)fluoranthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10	UJ	0.5				0.17	J	0.5	< 0.10	UJ	0.5
Benzo(g,h,i)perylene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5				< 0.10	UJ	0.5
Benzo(k)fluoranthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5				< 0.10	UJ	0.5
Chrysene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10	UJ	0.5				0.13	J	0.5	< 0.10	UJ	0.5
Dibenz(a,h)anthracene	ug/wipe	1.45	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5				< 0.20	UJ	0.5
Fluoranthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10	UJ	0.5				0.25	J	0.5	< 0.10	UJ	0.5
Fluorene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10	UJ	0.5				0.16	J	0.5	< 0.10	UJ	0.5
Indeno(1,2,3-cd)pyrene	ug/wipe	1.45	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5				< 0.12	UJ	0.5
Naphthalene	ug/wipe	1.45	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20	UJ	0.5				0.69	J-	0.5	< 0.20	UJ	0.5
Phenanthrene	ug/wipe	1.45	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12	UJ	0.5				0.4	J	0.5	< 0.12	UJ	0.5
Pyrene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10	UJ	0.5				0.24	J	0.5	< 0.10	UJ	0.5
2-Methylnaphthalene	ug/wipe	1.45	< 0.15		0.5	< 0.15		0.5	< 0.15		0.5	< 0.15	UJ	0.5	< 0.15	UJ	0.5				< 0.15	UJ	0.5

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

UJ Nondetect result, estimated reporting limit

RL Reporting Limit

Note - Duplicate ("B") samples were analyzed for Home 18 due to laboratory quality assurance non-conformance with the "A" sample. Additionally, the highest result was reported for samples 10 and 11 due to laboratory quality assurance non-compliance.

Table 2 - Wipe Sample Results Summary

		Field Sample ID	EZoneB.Sub4.Meth.1A			EZoneB.Sub4.Meth.2A			EZoneB.Sub4.Meth.3A			EZoneB.Sub5.Meth.1B			EZoneB.Sub5.Meth.2B			EZoneB.Sub5.Meth.3A			EZoneB.Sub5.Meth.3B		
		Lab Sample ID	410-213581-8			410-213581-10			410-213581-12			410-213591-9			410-213591-11			410-213591-12			410-213591-13		
		Map ID	Home 9			Home 9			Home 9			Home 10 (Duplicate)			Home 10 (Duplicate)			Home 10			Home 10 (Duplicate)		
		Description	Wipe			Wipe			Wipe			Wipe DUPLICATE			Wipe DUPLICATE			Wipe			Wipe DUPLICATE		
		Zone	Debris Field Evacuation Zone B Subzone 1			Debris Field Evacuation Zone B Subzone 1			Debris Field Evacuation Zone B Subzone 1			Debris Field Evacuation Zone B Subzone 2			Debris Field Evacuation Zone B Subzone 2			Debris Field Evacuation Zone B Subzone 2			Debris Field Evacuation Zone B Subzone 2		
		Description of Area in the Home	near living room vent (historic dust)			under small couch			under large couch			under front of refridgerator (historic dust)			under pantry shelf			under TV cabinet			under TV cabinet		
		Sampling Date	3/20/2025			3/20/2025			3/20/2025			3/21/2025			3/21/2025			3/21/2025			3/21/2025		
Parameter	Unit	PA PAH WTC INDOOR	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL
Polycyclic Aromatic Hydrocarbons (PAHs) - SW8270E																							
Acenaphthene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10		0.5	< 0.10		0.5				< 0.10		0.5
Acenaphthylene	ug/wipe	1.45	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12		0.5	< 0.12		0.5				< 0.12		0.5
Anthracene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10		0.5	< 0.10		0.5				< 0.10		0.5
Benzo(a)anthracene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10		0.5	< 0.10		0.5				< 0.10		0.5
Benzo(a)pyrene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10		0.5	< 0.10		0.5				< 0.10		0.5
Benzo(b)fluoranthene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10		0.5	< 0.10		0.5				< 0.10		0.5
Benzo(g,h,i)perylene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10		0.5	< 0.10		0.5				< 0.10		0.5
Benzo(k)fluoranthene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10		0.5	< 0.10		0.5				< 0.10		0.5
Chrysene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10		0.5	< 0.10		0.5				< 0.10		0.5
Dibenz(a,h)anthracene	ug/wipe	1.45	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20		0.5	< 0.20		0.5				< 0.20		0.5
Fluoranthene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10		0.5	< 0.10		0.5	0.31	J	0.5			
Fluorene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10		0.5	< 0.10		0.5				< 0.10		0.5
Indeno(1,2,3-cd)pyrene	ug/wipe	1.45	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12		0.5	< 0.12		0.5				< 0.12		0.5
Naphthalene	ug/wipe	1.45	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20		0.5	< 0.20		0.5				< 0.20		0.5
Phenanthrene	ug/wipe	1.45	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12		0.5	< 0.12		0.5	0.30	J	0.5			
Pyrene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10		0.5	< 0.10		0.5	0.24	J	0.5			
2-Methylnaphthalene	ug/wipe	1.45	< 0.15	UJ	0.5	< 0.15	UJ	0.5	< 0.15	UJ	0.5	< 0.15		0.5	< 0.15		0.5				< 0.15		0.5

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

UJ Nondetect result, estimated reporting limit

RL Reporting Limit

Note - Duplicate ("B") samples were analyzed for Home 10 due to laboratory quality assurance non-conformance with the "A" sample. Additionally, the highest result was reported for samples 12 and 13 due to laboratory quality assurance non-compliance.

Table 2 - Wipe Sample Results Summary

		Field Sample ID	EZoneB.Sub3.Meth.1A			EZoneB.Sub3.Meth.2A			EZoneB.Sub3.Meth.3A			EZoneB.Sub1.Meth.1A			EZoneB.Sub1.Meth.2A			EZoneB.Sub1.Meth.2B			EZoneB.Sub1.Meth.3A		
		Lab Sample ID	410-213181-8			410-213181-10			410-213181-12			410-213579-8			410-213579-10			410-213579-11			410-213579-12		
		Map ID	Home 11			Home 11			Home 11			Home 12			Home 12			Home 12 (Duplicate)			Home 12		
		Description	Wipe			Wipe			Wipe			Wipe			Wipe			Wipe DUPLICATE			Wipe		
		Zone	Debris Field Evacuation Zone B Subzone 3			Debris Field Evacuation Zone B Subzone 3			Debris Field Evacuation Zone B Subzone 3			Debris Field Ancillary Zone			Debris Field Ancillary Zone			Debris Field Ancillary Zone			Debris Field Ancillary Zone		
		Description of Area in the Home	top of fridge (historic dust)			under kitchen cabinets			beside dryer			under fridge (historic dust)			under dresser near back door			under dresser near back door			under gray chest in living room		
		Sampling Date	3/19/2025			3/19/2025			3/19/2025			3/20/2025			3/20/2025			3/20/2025			3/20/2025		
Parameter	Unit	PA PAH WTC INDOOR	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL
Polycyclic Aromatic Hydrocarbons (PAHs) - SW8270E																							
Acenaphthene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5				< 0.10	UJ	0.5
Acenaphthylene	ug/wipe	1.45	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5				< 0.12	UJ	0.5
Anthracene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5				< 0.10	UJ	0.5
Benzo(a)anthracene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5				< 0.10	UJ	0.5
Benzo(a)pyrene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5				< 0.10	UJ	0.5
Benzo(b)fluoranthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10	UJ	0.5				0.1	J	0.5	< 0.10	UJ	0.5
Benzo(g,h,i)perylene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5				< 0.10	UJ	0.5
Benzo(k)fluoranthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5				< 0.10	UJ	0.5
Chrysene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5				< 0.10	UJ	0.5
Dibenz(a,h)anthracene	ug/wipe	1.45	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5				< 0.20	UJ	0.5
Fluoranthene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5				< 0.10	UJ	0.5
Fluorene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5				< 0.10	UJ	0.5
Indeno(1,2,3-cd)pyrene	ug/wipe	1.45	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5				< 0.12	UJ	0.5
Naphthalene	ug/wipe	1.45	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5				0.35	J	0.5
Phenanthrene	ug/wipe	1.45	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5				< 0.12	UJ	0.5
Pyrene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5				< 0.10	UJ	0.5
2-Methylnaphthalene	ug/wipe	1.45	< 0.15	UJ	0.5	< 0.15	UJ	0.5	< 0.15	UJ	0.5	< 0.15	UJ	0.5	< 0.15	UJ	0.5				0.18	J	0.5

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

UJ Nondetect result, estimated reporting limit

RL Reporting Limit

Note - Duplicate ("B") samples were analyzed for Home 12 due to laboratory quality assurance non-conformance with the "A" sample. Additionally, the highest result was reported for samples 11 and 12 due to laboratory quality assurance non-compliance.

Table 2 - Wipe Sample Results Summary

		Field Sample ID	BZoneA.Sub1.Meth.1A			BZoneA.Sub1.Meth.2A			BZoneA.Sub1.Meth.3A			BB.Res2.Meth.1A			BB.Res2.Meth.2A			BB.Res2.Meth.3A		
		Lab Sample ID	410-213138-8			410-213138-10			410-213138-12			410-213162-3			410-213162-13			410-213162-8		
		Map ID	Home 13			Home 13			Home 13			Home 14			Home 14			Home 14		
		Description	Wipe			Wipe			Wipe			Wipe			Wipe			Wipe		
		Zone	Background Zone A Subzone 3			Background Zone A Subzone 3			Background Zone A Subzone 3			Background Zone B Subzone 2			Background Zone B Subzone 2			Background Zone B Subzone 2		
		Description of Area in the Home	top of refridgerator (historic dust)			under kitchen cabinet			behind TV			under mini fridge (historic dust)			TV room corner			under couch		
		Sampling Date	3/19/2025			3/19/2025			3/19/2025			3/18/2025			3/18/2025			3/18/2025		
Parameter	Unit	PA PAH WTC INDOOR	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL
Polycyclic Aromatic Hydrocarbons (PAHs) - SW8270E																				
Acenaphthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Acenaphthylene	ug/wipe	1.45	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5
Anthracene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Benzo(a)anthracene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Benzo(a)pyrene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Benzo(b)fluoranthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Benzo(g,h,i)perylene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Benzo(k)fluoranthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Chrysene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Dibenz(a,h)anthracene	ug/wipe	1.45	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5
Fluoranthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Fluorene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Indeno(1,2,3-cd)pyrene	ug/wipe	1.45	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5
Naphthalene	ug/wipe	1.45	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5
Phenanthrene	ug/wipe	1.45	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5
Pyrene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
2-Methylnaphthalene	ug/wipe	1.45	< 0.15		0.5	< 0.15		0.5	< 0.15		0.5	< 0.15		0.5	< 0.15		0.5	< 0.15		0.5

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
UJ Nondetect result, estimated reporting limit
RL Reporting Limit

Table 2 - Wipe Sample Results Summary

		Field Sample ID	BZoneB.Sub1.Meth.1A			BZoneB.Sub1.Meth.2A			BZoneB.Sub1.Meth.3A			BB.Res3.Meth.1A			BB.Res3.Meth.2A			BB.Res3.Meth.3A		
		Lab Sample ID	410-213574-8			410-213574-10			410-213574-12			410-213176-8			410-213176-10			410-213176-12		
		Map ID	Home 15			Home 15			Home 15			Home 16			Home 16			Home 16		
		Description	Wipe			Wipe			Wipe			Wipe			Wipe			Wipe		
		Zone	Background Zone B Subzone 2			Background Zone B Subzone 2			Background Zone B Subzone 2			Background Zone B Subzone 3			Background Zone B Subzone 3			Background Zone B Subzone 3		
		Description of Area in the Home	under fridge (historic dust)			under kitchen cabinet			under kitchen desk			above kitchen microwave (historic dust)			under china cabinet			under TV cabinet		
		Sampling Date	3/20/2025			3/20/2025			3/20/2025			3/19/2025			3/19/2025			3/19/2025		
Parameter	**Unit**	**PA PAH WTC INDOOR**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**
Polycyclic Aromatic Hydrocarbons (PAHs) - SW8270E																				
Acenaphthene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5
Acenaphthylene	ug/wipe	1.45	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5
Anthracene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Benzo(a)anthracene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	0.12	J	0.5
Benzo(a)pyrene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	0.13	J	0.5
Benzo(b)fluoranthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	0.12	J	0.5	0.17	J	0.5
Benzo(g,h,i)perylene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5
Benzo(k)fluoranthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Chrysene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	0.12	J	0.5
Dibenz(a,h)anthracene	ug/wipe	1.45	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5
Fluoranthene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	0.35	J	0.5	< 0.10	UJ	0.5	0.27	J	0.5
Fluorene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5
Indeno(1,2,3-cd)pyrene	ug/wipe	1.45	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5
Naphthalene	ug/wipe	1.45	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5	< 0.20	UJ	0.5
Phenanthrene	ug/wipe	1.45	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	< 0.12	UJ	0.5	0.12	J	0.5	0.28	J	0.5
Pyrene	ug/wipe	1.45	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	< 0.10	UJ	0.5	0.22	J	0.5
2-Methylnaphthalene	ug/wipe	1.45	< 0.15	UJ	0.5	< 0.15	UJ	0.5	< 0.15	UJ	0.5	< 0.15	UJ	0.5	< 0.15	UJ	0.5	< 0.15	UJ	0.5

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
UJ Nondetect result, estimated reporting limit
RL Reporting Limit

Table 2 - Wipe Sample Results Summary

		Field Sample ID	BZoneA.Sub2.Meth.1A			BZoneA.Sub2.Meth.2A			BZoneA.Sub2.Meth.3A			BZoneA.Sub3.Meth.1A			BZoneA.Sub3.Meth.2A			BZoneA.Sub3.Meth.3A		
		Lab Sample ID	410-213138-22			410-213138-24			410-213138-26			410-213138-36			410-213138-38			410-213138-40		
		Map ID	Home 17			Home 17			Home 17			Home 18			Home 18			Home 18		
		Description	Wipe			Wipe			Wipe			Wipe			Wipe			Wipe		
		Zone	Background Zone A Subzone 1			Background Zone A Subzone 1			Background Zone A Subzone 1			Background Zone A Subzone 2			Background Zone A Subzone 2			Background Zone A Subzone 2		
		Description of Area in the Home	under front of fridge (historic dust)			under china cabinet			under TV cabinet			under fridge (historic dust)			under dining room radiator			under radiator near front door		
		Sampling Date	3/19/2025			3/19/2025			3/19/2025			3/19/2025			3/19/2025			3/19/2025		
Parameter	Unit	PA PAH WTC INDOOR	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL
Polycyclic Aromatic Hydrocarbons (PAHs) - SW8270E																				
Acenaphthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Acenaphthylene	ug/wipe	1.45	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5
Anthracene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Benzo(a)anthracene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Benzo(a)pyrene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Benzo(b)fluoranthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Benzo(g,h,i)perylene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Benzo(k)fluoranthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Chrysene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Dibenz(a,h)anthracene	ug/wipe	1.45	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5
Fluoranthene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Fluorene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
Indeno(1,2,3-cd)pyrene	ug/wipe	1.45	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5
Naphthalene	ug/wipe	1.45	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5	< 0.20		0.5
Phenanthrene	ug/wipe	1.45	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5	< 0.12		0.5
Pyrene	ug/wipe	1.45	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5	< 0.10		0.5
2-Methylnaphthalene	ug/wipe	1.45	< 0.15		0.5	< 0.15		0.5	< 0.15		0.5	< 0.15		0.5	< 0.15		0.5	< 0.15		0.5

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
UJ Nondetect result, estimated reporting limit
RL Reporting Limit

TABLE 3 Soil Sampling Consolidated Results - Results Above PADEP Act 2 Standards for Residential Direct Contact			
Parameter	**PA DEP Act 2 Direct Contact for Residential Soils 0-15 feet**	**Results**	**Locations**
PAHs	Various Benzo(b)fluoranthene: 3500 ug/kg	Benzo(b)fluoranthene at or above Act 2 Standards (Representative of Background)	Knights of Columbus/Immaculate Conception (0-1 inch): 5200 ug/kg Knights of Columbus/Immaculate Conception (1-6 inch): 4000 ug/kg
Arsenic	12 mg/kg	At or above Act 2 Standards (Representative of Background)	Home 4 (0-1 inch): 17 mg/kg Home 4 (1-6 inch): 16 mg/kg Home 12 (0-1 inch): 19 mg/kg Home 12 (1-6 inch): 25 mg/kg Jenkintown Town Square (0-1 inch): 22 mg/kg Jenkintown Town Square (1-6 inch): 23 mg/kg
Lead	500 mg/kg	At or above Act 2 Standards (Representative of Background)	Home 1 (0-1 inch): 500 mg/kg Home 1 (1-6 inch): 680 mg/kg Home 1 (1-6 inch) DUPLICATE: 530 mg/kg Home 5 (0-1 inch): 1500 mg/kg Home 5 (1-6 inch): 2400 mg/kg Home 10 (0-1 inch): 1100 mg/kg Home 10 (1-6 inch): 800 mg/kg Home 11 (0-1 inch): 610 mg/kg Home 11 (1-6 inch): 550 mg/kg Home 12 (1-6 inch): 570 mg/kg Background Home 13 (0-1 inch): 530 mg/kg Background Home 13 (1-6 inch): 750 mg/kg
All Other Metals	Various	Below Act 2 Standards	N/A
Cyanide Total	N/A	No Detections	N/A
Cyanide Free	130 mg/kg	No Detections	N/A
PLM*	N/A	No Detections	N/A

**The Workplans indicated that if asbestos was detected by PLM, then additional speciation of the asbest os would be performed via Transmission Electron Microscopy (TEM) to further assess asbestos risk. Since no asbestos was detected by PLM and detection limits were at or less than 1%, no further evaluation of the data was conducted.*

TABLE 4 Wipe Sampling Consolidated Results – No Results Above WTC/COPC Framework			
Parameter	**WTC/COPC Indoor Dust Guidelines**	**Results**	**Locations**
PAHs	1.45 ng/cm^2	Below COPC Guidelines	N/A

Appendix A

Soil and Surface Wipe Sampling Summary Report: Jenkintown and Abington Friends Schools

SPS Technologies
Jenkintown

April 14, 2025

Prepared for:
SPS Technologies

Prepared by:
TRC Environmental
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1.0 Executive Summary

On March 17, 2025, TRC Environmental Corporation (TRC) initiated soil and surface wipe sampling in accordance with "*Proposed Fire Response Dust and Soil Investigation Work Plan – Abington Friends School* (March 14, 2025) and *Proposed Fire Response Dust and Soil Investigation Workplan – Jenkintown School* (March 14, 2025); collectively referred to in this document as Workplans). The sampling was conducted at the request of officials from Jenkintown School and Abington Friends School (Schools), which are in the vicinity of the fire that began at the SPS Jenkintown manufacturing facility on February 17, 2025.

Soil and surface wipe samples were collected from the Schools and from background areas not anticipated to have been affected by the fire. As noted in the Workplans, two discrete soil samples were collected from three different areas at each school from the top 1 inch of soil and bottom 1-6 inches of soil. Surficial wipe samples were also collected from three different pieces of playground equipment at each school.

Additionally, two discrete soil samples were collected from two background locations (Wall Park in Elkins, Park, PA and The Cheese Playground in Glenside, PA) from the top 1 inch of soil and bottom 1-6 inches of soil. Surface wipe samples were also collected from three different pieces of playground equipment at each background location.

Soil and surface wipe samples were analyzed for compounds that could potentially represent markers of combustion emissions and for certain additional compounds based on concerns expressed by school officials and the public. Soils were analyzed for polycyclic aromatic hydrocarbons (PAHs), various metals, total and free cyanide, and asbestos. Wipe samples were analyzed for PAHs.

The results of soil samples were compared to Pennsylvania Department of Environmental Protection (PADEP) Residential Direct Contact numerical values established under the Pennsylvania Land Recycling and Environmental Remediation Standards Act (Act 2). As discussed in Section 2.2, the Act 2 values are health-based that were criteria selected for screening purposes due to the conservative nature of the risk assumptions made by PADEP in establishing the numerical values. The background samples were collected to determine whether the constituents present represent background conditions. The results for surface wipe samples were compared to the Contaminants of Potential Concern (COPC) framework for indoor dust developed after the World Trade Center collapse, as modified for outdoor dust, as discussed in Section 3.2.5 below.

Soil results confirm the SPS fire did not distribute measurable amounts of PAHs, metals, cyanide or asbestos to the Schools. Cyanide and asbestos were not detected in any soil sample. PAHs and metals concentrations were below PADEP screening values except for arsenic, which was slightly elevated in some samples. Arsenic is present in soils throughout Pennsylvania due to naturally occurring minerals and/or to historical activities such as pesticide application or the use of pressure-treated wood. Based on the comparison of the concentrations detected at the

background sample locations and in the deeper soil samples, TRC concludes that the PAH and metals concentrations, including arsenic, are representative of background conditions.

Surface wipe sampling results also confirm that there is no discernible impact from the SPS fire at the Schools. PAH concentrations were uniformly below the limits of laboratory detection and below all relevant health-based screening levels.

2.0 Soil and Wipe Sampling

2.1 Sampling Program and Objectives

In accordance with the Workplans, soil samples were collected at two schools: Jenkintown School and Abington Friends School (Schools) and two background locations: Wall Park and The Cheese Playground. Background locations were selected outside of the affected area based on the prevailing wind direction during the fire and one of the background areas exhibits the same geology as the Schools.

Soil samples were collected at three areas at Jenkintown School and Abington Friends School, four locations at Wall Park, and three locations at The Cheese Playground. Samples were collected from the top 1 inch of soil and bottom 1-6 inches of soil.

In accordance with the Workplan, surface wipe samples were collected at three areas at Jenkintown School, Abington Friends School, Wall Park, and The Cheese Playground. Samples were collected from playground equipment and other community surfaces.

The locations of the four sites in relation to SPS are shown in **Figure 1.**

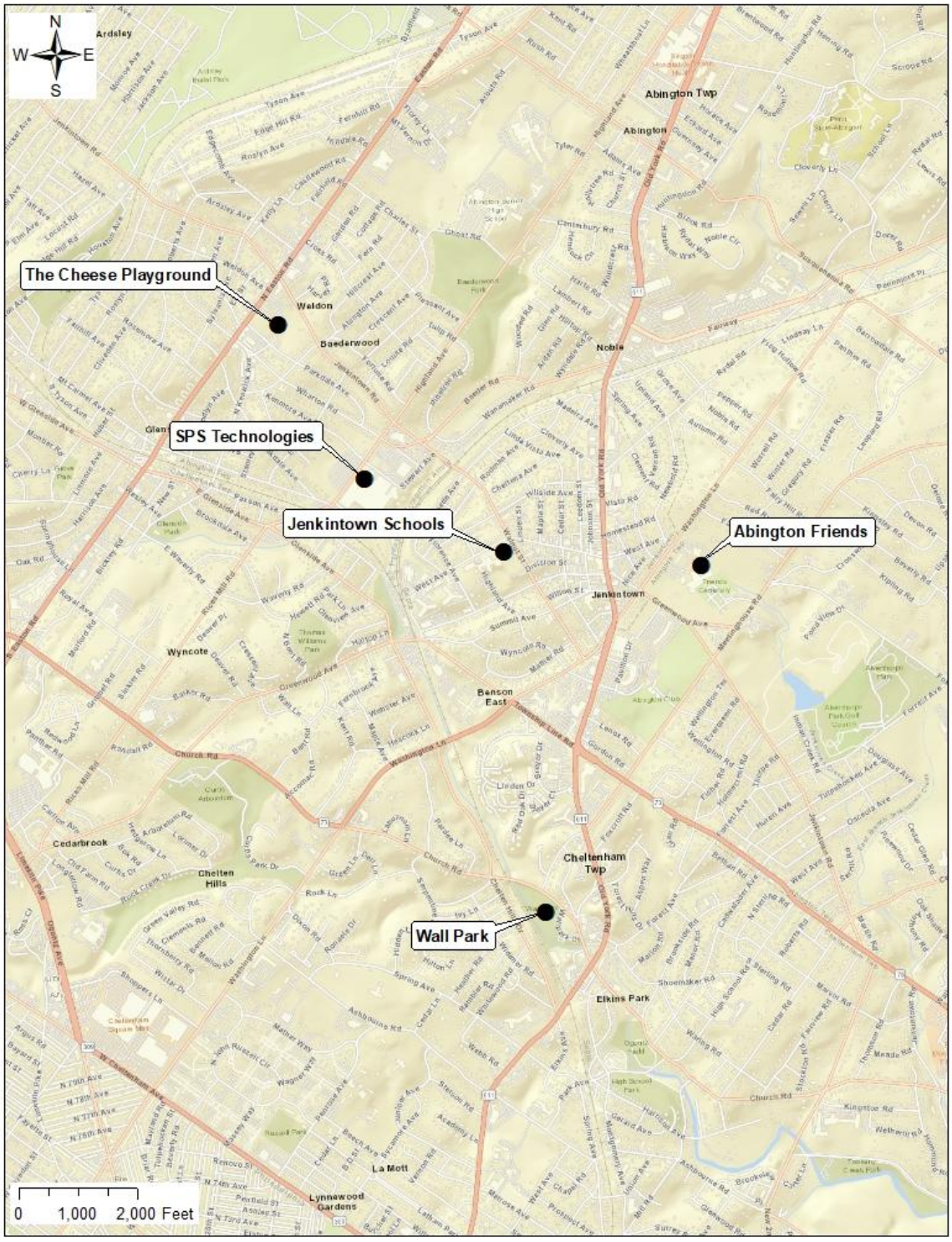

Figure 1: School and Background Sampling Locations

2.2 Soil Sampling and Analyses Means and Methods

2.2.1 Sample Collection

Soil samples were collected using a stainless-steel core sampler. The core sampler was cleaned before and after each sample collection. Cleaning was performed by using a laboratory-grade phosphate-free detergent solution followed by a tap water rinse and then followed by a distilled water rinse.

2.2.2 Sample Handling and Preservation

Soil samples were placed into laboratory-supplied containers. The sample containers were promptly placed in a cooler and preserved on ice. Samples were transported to the laboratory under Chain of Custody (COC).

Each sample was logged onto the COC and included sample identification (ID), date and time of sample collection, requested analytical parameters, sampler name and signature, and laboratory instructions as appropriate. The samples were transferred from field persons to laboratory personnel under signature of release and acceptance.

2.2.3 Quality Assurance

One duplicate sample was collected for the purpose of evaluating precision and accuracy. One Matrix Spike (MS) and one Matrix Spike Duplicate (MSD) with site-specific media, specifically the clayey soil found at the school sites, was collected for the purpose of assessing soil matrix effects.

Level 2 Data Validation was performed on all data. The data were all found to be usable.

2.2.4 Analytical Parameters

Each soil sample was analyzed for:

- Polycyclic Aromatic Hydrocarbons (PAHs) – EPA SW846 Method 8270E SIM
- Metals – EPA SW-846 Method 6020B/7471B (TAL Metals, which includes Mercury)
- Total Cyanide – EPA SW-846 Method 9012B
- Free Cyanide – Kelada-01 (via MJ Reider)
- Asbestos by EPA 600/R-93/116 (PLM for screening absence/presence)
- Asbestos by EPA ASTM D7521-16 method (TEM for asbestos concentration **only if asbestos detected by PLM**)*

*Since no detectable asbestos was above the target level of one percent (1%), no TEM analyses were performed.

2.2.5 PADEP Standards

Soil sampling results were compared to Residential Direct Contact (0-15 feet) numerical values presented in Table 3a for organic constituents and Table 4a for inorganic constituents established as Medium Specific Concentrations established by Pennsylvania Department of Environmental Protection (PADEP) Land Recycling and Environmental Remediation Standards Act (Act 2).

2.3 Wipe Sampling Means and Methods

2.3.1 Sample Collection

For each piece of playground or community equipment, a 200cm^2 area (marked by laboratory-provided template squares) was wiped with a prewet methanol wipe.

2.3.2 Sample Handling and Preservation

Each area chosen for surface wipe sample collection was wiped horizontally to cover the entirety of the area, the wipe folded, then wiped vertically before being placed into the laboratory-supplied containers and labeled. The sample containers were promptly placed in a cooler and preserved on ice. Samples were transported to the laboratory under Chain of Custody (COC).

Each sample was logged onto the COC and included sample identification (ID), date and time of sample collection, requested analytical parameters, sampler name and signature, and laboratory instructions as appropriate. The samples were transferred from field persons to laboratory personnel under signature of release and acceptance.

2.3.3 Quality Assurance

One blank sample that did not contact any surfaces, but was handled in the same manner as the other wipes was collected and analyzed.

Surrogate samples were run by the laboratory for the purpose of evaluating percent recoveries.

Level 2 Data Validation was performed on all data. The data were all found to be usable.

2.3.4 Analytical Parameters

Each wipe sample was analyzed for:

- PAHs – EPA SW846 Method 8270E SIM

2.3.5 Selected Reference Standard(s)

Following the collapse of the World Trade Center (WTC) in 2001, the U.S. Environmental Protection Agency (EPA) and collaborating agencies developed the COPC framework to assess

indoor settled dust contamination. These guidelines were designed with an emphasis on protecting children, the most sensitive population, due to their higher frequency of hand-to-mouth activity, lower body weight, and greater time spent indoors. The framework established risk-based screening levels for PAHs and other contaminants in indoor environments. PAH benchmark concentrations were established based on the most sensitive PAH, benzo[a]pyrene (BaP), at an estimated 1 x 10^{-6} lifetime excess cancer risk for consistent with the dose-response recommended by ATSDR and CalEPA/OEHHA (ATSDR 2022; EPA 2003).

On February 27, 2025, the Center for Toxicology and Environmental Health (CTEH) issued a summary of an environmental survey involving air monitoring and outdoor surface wipe samples to characterize the chemical composition of particulates on surfaces near the SPS fire. While the original WTC benchmark for PAHs was developed specifically for indoor surfaces, CTEH adapted this benchmark for outdoor settings by applying an exposure adjustment factor of 6, calculated as the product of a 2.4-fold reduction in exposure frequency and a 2.6-fold reduction in exposure duration. This approach aligns with the U.S. EPA's derivation of surface screening levels for contaminants of potential concern (COPCs), which are based on Reasonable Maximum Exposure (RME) scenarios and public health practices elsewhere — including, but not limited to, the California Department of Public Health (CDPH 2022).

The WTC/COPC framework and conservative CTEH modification remains the most directly applicable and protective model for interpreting wipe sampling data collected from outdoor community and school settings. The screening levels derived through this approach provide a robust, health-protective standard for evaluating potential exposure to PAHs, particularly in settings where children may come into contact with surfaces.

3.0 Soil and Surface Wipe Sample Collection Sites

3.1 Jenkintown Schools

At Jenkintown Schools (JS), soil samples were collected from two depths (0-1 inch and 1-6 inches) at three (3) locations (JS-1, JS-2, and JS-3). JS-1 samples were collected near the circle entrance on the north side of the school, JS-2 samples were collected near the playground area, and JS-3 samples were collected near a future garden area. Surface wipe samples were collected from a covered bench on the east side of the playground (JS-Meth1-1A), a covered bench on the west side of the playground (JS-Meth1-2A), and a platform at the top a playground slide (JS-Meth1-3A). These locations are identified in **Figure 2**.

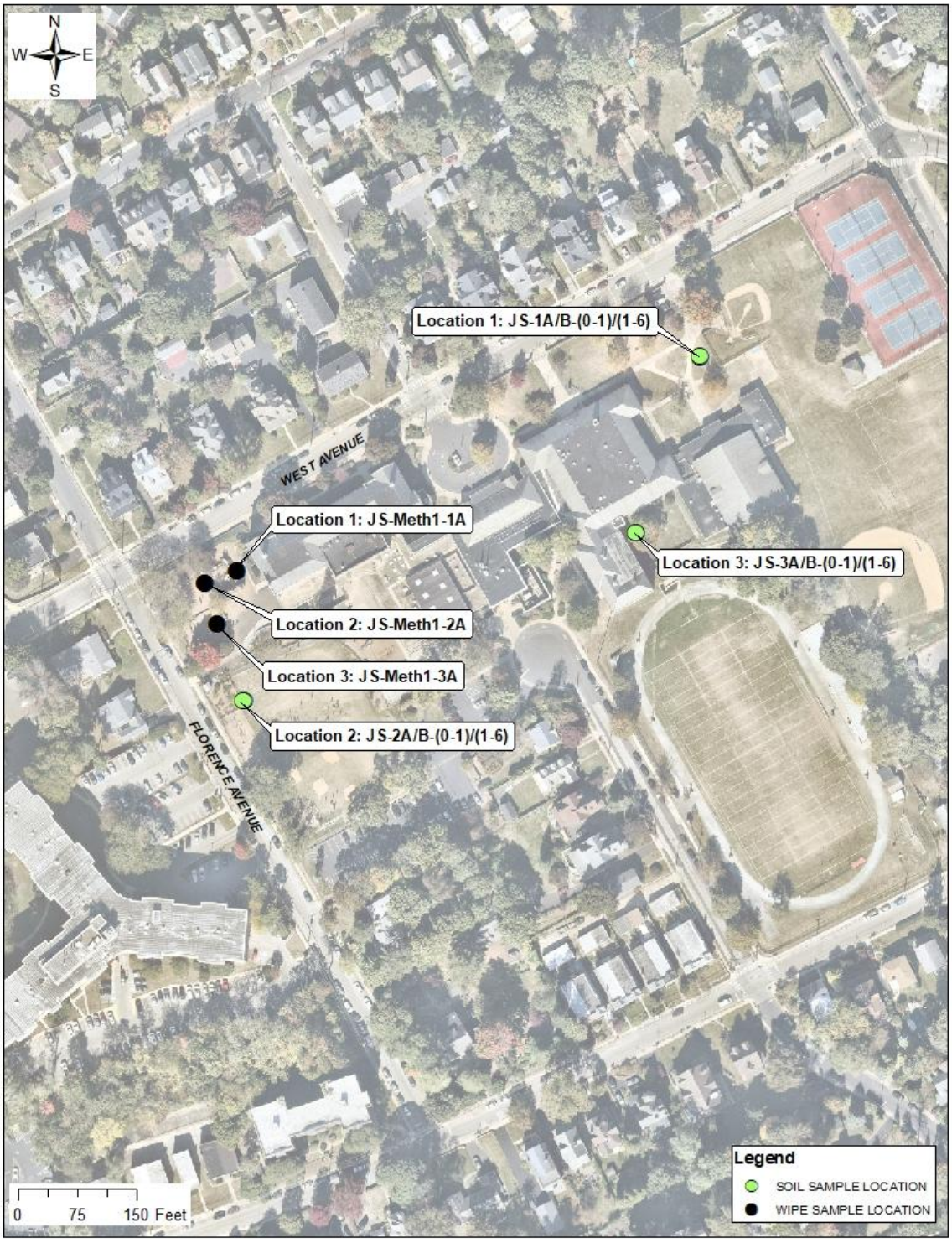

Figure 2: Jenkintown School Soil and Surface Wipe Sampling Locations

3.2 Abington Friends School

At Abington Friends School (AF), soil samples were collected from two depths (0-1 inch and 1-6 inches) at three (3) locations (AF-1, AF-2, and AF-3). AF-1 soil samples were collected near the baseball fields to the south, AF-2 soil samples were collected near the playground areas to the north, and AF-3 soil samples were collected near the garden area to the east of the school. Surface wipe samples were collected from an enclosed green tube in the main playground area (AF-Meth1-1A), a play structure platform in the preschool play area (AF-Meth1-2A), and the floor of a red wooden playhouse (AF-Meth1-3A). These locations are identified in **Figure 3**.

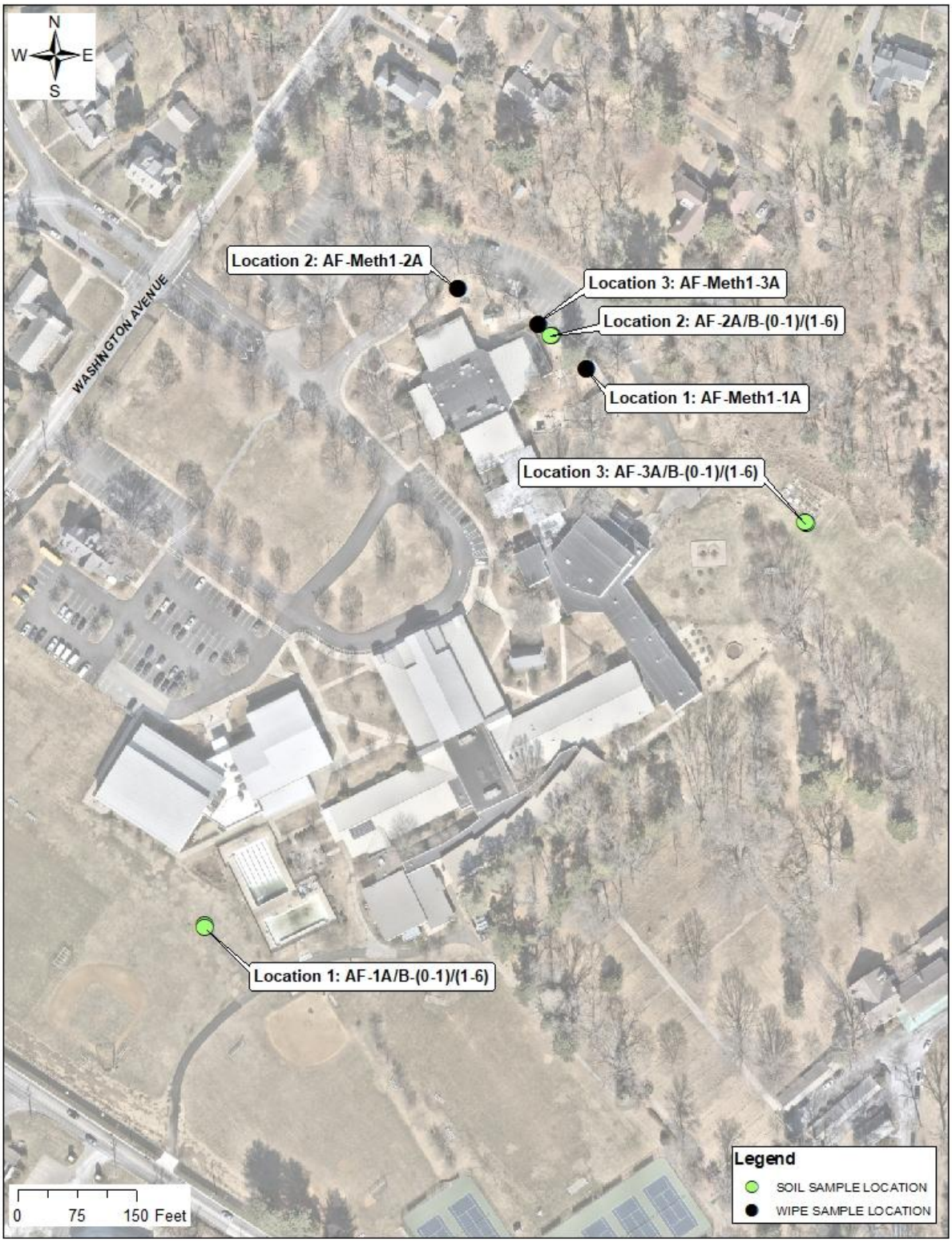

Figure 3: Abington Friends School (AF) Soil and Surface Wipe Sampling Locations

3.3 Wall Park

At Wall Park (Background A; BA), soil samples were collected from two depths (0-1 inch and 1-6 inches) at four (4) locations (BA-1, BA-2, BA-3, and BA-4). BA-1 soil samples were collected near the tennis courts on the southeast side of the park, BA-2 soil samples were collected from near the west playground and restrooms, BA-3 soil samples were collected on the north side of the park near the fields, and BA-4 soil samples were collected near the fields and the north end of the east playground. Surface wipe samples were collected from an enclosed green slide near the playground entrance (BA-Meth1-1A), a playground tower (BA-Meth1-2A), and a painted picnic table in the shelter house (BA-Meth1-3A). These locations are marked in **Figure 4**.

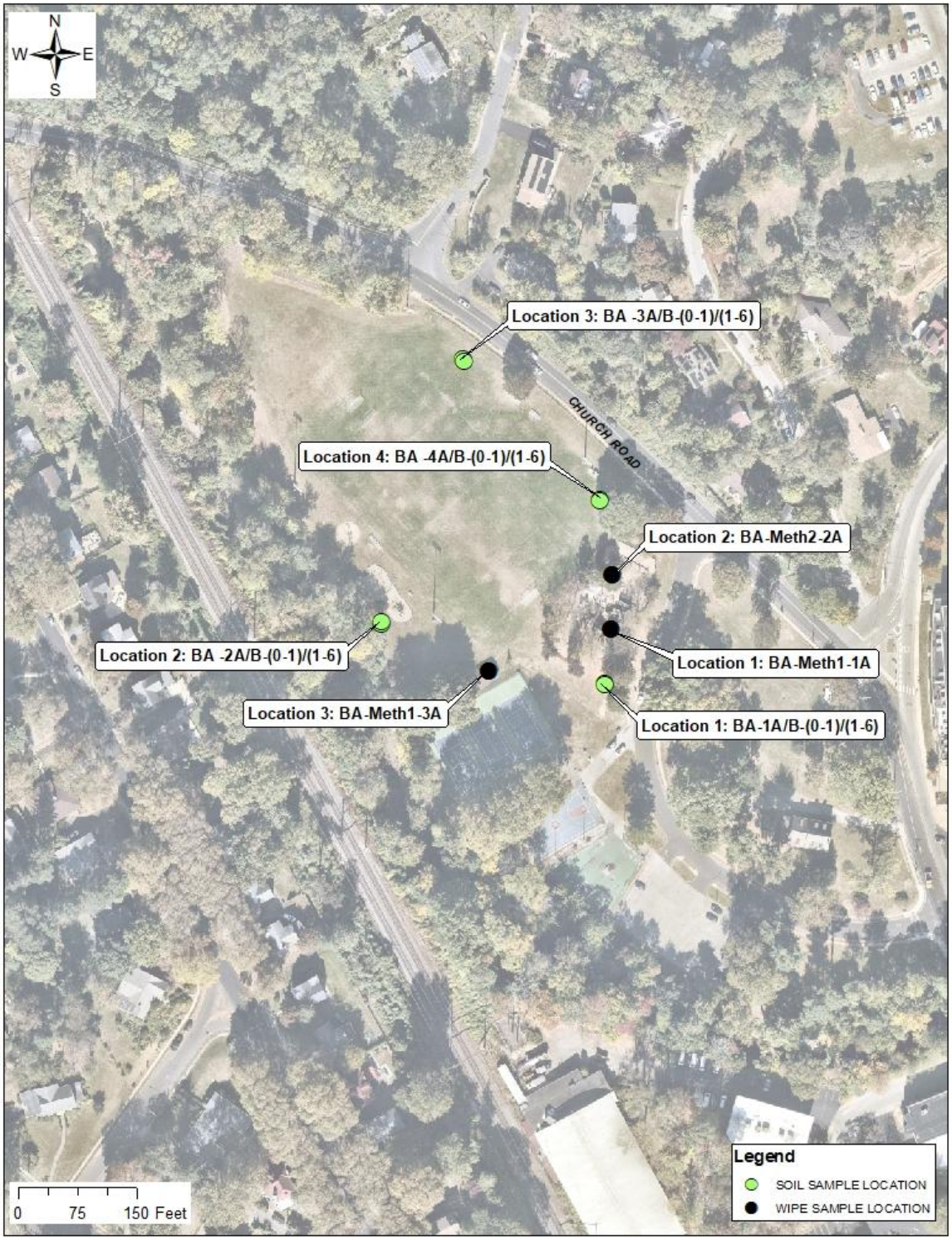

Figure 4: Wall Park (Background A; BA) Soil and Surface Wipe Sampling Locations

3.4 The Cheese Playground

At The Cheese Playground (Background B; BB), soil samples were collected from two depths (0-1 inch and 1-6 inches) at three (3) locations (BB-1, BB-2, and BB-3). BB-1 soil samples were collected near the playground area on the southwest side of the park, BB-2 soil samples were collected near the center of the park, and BB-3 samples were collected near the baseball fields on the north end of the park. Wipe samples were collected from a green tube near the middle of the main play structure (BB-Meth1-1A), tan slide at the edge of the main play structure (BB-Meth1-2A), and a green plastic merry-go-round near the edge of the playground (BB-Meth1-3A). These locations are marked in **Figure 5**.

Figure 5: The Cheese Playground (Background B; BB) Soil and Surface Wipe Sampling Locations

4.0 Analytical Results

4.1 Soil Sample Analytical Results

Soil samples were analyzed by Eurofins Laboratories of Lancaster, Pennsylvania.

Table 1 presents a summary of all samples and the analytical parameters. **Table 2** presents the consolidated summary of all soil sampling results from Jenkintown School, Abington Friends School, Wall Park and The Cheese Playground.

The following methodology was used to evaluate the soil sampling results:

1. Soil sampling results were compared to numerical values established by Pennsylvania Department of Environmental Protection (PADEP) Land Recycling and Environmental Remediation Standards Act (Act 2). Data was compared with the Residential Direct Contact (0-15 feet) numerical values presented in Act 2 Statewide Health Standard Table 3a for organic constituents and Table 4a for inorganic constituents established by PADEP as Medium Specific Concentrations.

2. Background soil sample results from Wall Park and The Cheese Playground were also considered in the data analysis.

3. An evaluation of results from 0 to 1-inch samples versus the 1 to 6-inch sample results was conducted. Collecting soil samples from two depth intervals allows for a better understanding of the potential impacts from airborne materials from the fire (reflected in the upper 1-inch of the soil column) versus non-fire conditions (reflected in the lower 1-inch to 6-inch soil column). Hence the 1 to 6-inch sample represents background conditions for the analytical results from the 0 to 1-inch samples.

Act 2 has no established values for asbestos. United States Environmental Protection Agency (USEPA) defines “Asbestos Containing Materials” as “any material or product which contains more than one percent asbestos” (USEPA Asbestos Hazard and Emergency Response Act (AHERA) – Glossary of Asbestos Hazard and Emergency Response Act Terms). The initial screening of data considered if any asbestos was present in the soil samples via Polarized Light Microscopy (PLM).

Full soil sampling results are presented in the Appendices of this report. **Appendices A – D** respectively present soil sampling results from Jenkintown School, Abington Friends School, Wall Park (Background Location A), and The Cheese Playground (Background Location B) compared to applicable Act 2 standards.

4.2 Soil Sampling Data Evaluation

As shown in **Table 2**, PAHs and metals soil sampling results are below the selected Act 2 screening values except for arsenic. Asbestos and cyanide were not detected.

PAH and metals constituents are ubiquitous in urban areas. The PAH and metals concentrations are similar between the school locations and background locations. This confirms that the fire did not transport significant amounts of PAH or metals to properties in the down-wind direction. Although the small sample size between background and target property sample size prohibits rigorous statistical evaluation, the data indicate that soil analytical concentrations represent background conditions.

Since arsenic concentrations exceeded screening values at background and target locations, this data evaluation is directed toward the arsenic distribution. The following is noted for arsenic in soil in this evaluation:

- Concentrations of arsenic at Abington Friends School ranged from 5.9 to 13 mg/kg in the 0 to 1 inch interval and from 9.1 to 15 mg/kg in the 1 to 6-inch interval. Concentrations of arsenic at the Jenkintown School ranged from 4.9 to 19 mg/kg in the 0 to 1 inch interval and 7.9 to 16 mg/kg in the 1 to 6-inch interval.
- Background soil sample concentrations of arsenic ranged from 4.5 to 11 mg/kg in the 0 to 1-inch interval and from 4.6 to 12 mg/kg in the 1 to 6-inch interval.

These arsenic detections are not a result of fire deposition. The concentrations of arsenic detected in the shallow soil samples are consistent with the concentrations detected in the deeper soil samples and at the background locations and are also typical of this geographical region. An evaluation of background concentrations of arsenic in Pennsylvania (AECOM, 2002) showed that arsenic was detected in 405 of 408 samples collected at a median concentration of 10.3 mg/kg and at a 95th percentile concentration of 23.4 mg/kg. Finally, the absence of any fire related markers in soil sampling results (i.e., no PAHs), further support the conclusion that the arsenic concentrations are background to the geographic area.

4.3 Wipe Sample Analytical Results

Wipe samples were analyzed by Eurofins Laboratories of Lancaster, Pennsylvania. **Table 2** presents a consolidated summary of the wipe sampling results from background Location A (Wall Park), background location (B) The Cheese Playground, Jenkintown Schools, and Abington Friends School. **Appendix E – H,** respectively, present surface wipe sampling results from Jenkintown School, Abington Friends School, Wall Park (Background Location A), and The Cheese Playground (Background Location B) compared to numerical values established by the Contaminants of Potential Concern (COPC) framework.

4.4 Wipe Sampling Data Evaluation

All outdoor surface wipe results collected from the Schools and background locations were below laboratory detection limits and below all relevant health-based screening guidelines. This includes the COPC/WTC indoor benchmark (1.45 ng/cm^2) and the CTEH-adapted outdoor benchmark (8.7 ng/cm^2). These findings indicate that there is no discernible impact from the fire at the Schools and no human health risk associated with potential PAH exposure at any sampling location.

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Tables

Table 1 -Sample Summary Table									
Location	Sample ID	Matrix	Depth Interval (inches)	Location	LAB SAMPLE ID	Asbestos PLM	TAL Metals w/ Mercury	PAHS	Cyanide (Total and Free)
Abington Friends School									
AF-1A	AF-1A (0-1)	Soil	0-1	Between Baseball Field and Pool	410-212494-1		x	x	x
AF-1A	AF-1A (1-6)	Soil	1-6	Between Baseball Field and Pool	410-212494-3		x	x	x
AF-1B	AF-1B (0-1)	Soil	0-1	Between Baseball Field and Pool	410-212494-2	x			
AF-1B	AF-1B (1-6)	Soil	1-6	Between Baseball Field and Pool	410-212494-4	x			
AF-2A	AF-2A (0-1)	Soil	0-1	Small Playground Near Parking	410-212494-5		x	x	x
AF-2A	AF-2A (1-6)	Soil	1-6	Small Playground Near Parking	410-212494-7		x	x	x
AF-2B	AF-2B (0-1)	Soil	0-1	Small Playground Near Parking	410-212494-6	x			
AF-2B	AF-2B (1-6)	Soil	1-6	Small Playground Near Parking	410-212494-8	x			
AF-3A	AF-3A (0-1)	Soil	0-1	Garden Area	410-212494-9		x	x	x
AF-3A	AF-3A (1-6)	Soil	1-6	Garden Area	410-212494-11		x	x	x
AF-3B	AF-3B (0-1)	Soil	0-1	Garden Area	410-212494-10	x			
AF-3B	AF-3B (1-6)	Soil	1-6	Garden Area	410-212494-12	x			
AF-Meth1-1A	AF-Meth1-1A	Wipe	N/A	Green Slide Playground	410-212480-1			x	
AF-Meth1-2A	AF-METH1-2A	Wipe	N/A	Structure Playground	410-212480-5			x	
AF-Meth1-3A	AF-Meth1-3A	Wipe	N/A	Red Dog House Playground	410-212480-9			x	
Jenkintown School									
JS-1A	JS-1A (0-1)	Soil	0-1	Circle Entrance	410-212495-1		x	x	x
JS-1A	JS-1A (1-6)	Soil	1-6	Circle Entrance	410-212495-3		x	x	x
JS-1B	JS-1B (0-1)	Soil	0-1	Circle Entrance	410-212495-2	x			
JS-1B	JS-1B (1-6)	Soil	1-6	Circle Entrance	410-212495-4	x			
JS-2A	JS-2A (0-1)	Soil	0-1	Playground Area	410-212495-5		x	x	x
JS-2A	JS-2A (1-6)	Soil	1-6	Playground Area	410-212495-7		x	x	x
JS-2B	JS-2B (0-1)	Soil	0-1	Playground Area	410-212495-6	x			
JS-2B	JS-2B (1-6)	Soil	1-6	Playground Area	410-212495-8	x			
JS-3A	JS-3A (0-1)	Soil	0-1	New Garden	410-212495-9		x	x	x
JS-3A	JS-3A (1-6)	Soil	1-6	New Garden	410-212495-11		x	x	x
JS-3B	JS-3B (0-1)	Soil	0-1	Playground Area	410-212495-10	x			
JS-3B	JS-3B (1-6)	Soil	1-6	Playground Area	410-212495-12	x			
JS-METH1-1A	JS-METH1-1A	Wipe	N/A	Covered Bench On Playground	410-212483-1			x	
JS-METH1-2A	JS-METH1-2A	Wipe	N/A	Covered Bench Near West Avenue	410-212483-7			x	
JS-METH1-3A	JS-METH1-3A	Wipe	N/A	Playground Slide Entrance	410-212483-13			x	

Table 1 -Sample Summary Table									
Location	Sample ID	Matrix	Depth Interval (inches)	Location	LAB SAMPLE ID	Asbestos PLM	TAL Metals w/ Mercury	PAHS	Cyanide (Total and Free)
Wall Park									
BA-1A	BA-1A (0-1)	Soil	0-1	Playground/Tennis	410-212493-1		x	x	x
BA-1A	BA-1A (1-6)	Soil	1-6	Playground/Tennis	410-212493-3		x	x	x
BA-1B	BA-1B (0-1)	Soil	0-1	Playground/Tennis	410-212493-2	x			
BA-1B	BA-1B (1-6)	Soil	1-6	Playground/Tennis	410-212493-4	x			
BA-2A	BA-2A (0-1)	Soil	0-1	Playground/Bathroom	410-212493-5		x	x	x
BA-2A	BA-2A (1-6)	Soil	1-6	Playground/Bathroom	410-212493-7		x	x	x
BA-2B	BA-2B (0-1)	Soil	0-1	Playground/Bathroom	410-212493-6	x			
BA-2B	BA-2B (1-6)	Soil	1-6	Playground/Bathroom	410-212493-8	x			
BA-3A	BA-3A (0-1)	Soil	0-1	Field North	410-212493-9		x	x	x
BA-3A	BA-3A (1-6)	Soil	1-6	Field North	410-212493-11		x	x	x
BA-3B	BA-3B (0-1)	Soil	0-1	Field North	410-212493-10	x			
BA-3B	BA-3B (1-6)	Soil	1-6	Field North	410-212493-12	x			
BA-4A	BA-4A (0-1)	Soil	0-1	Field East	410-212493-13		x	x	x
BA-4A	BA-4A (1-6)	Soil	1-6	Field East	410-212493-15		x	x	x
BA-4B	BA-4B (0-1)	Soil	0-1	Field East	410-212493-14	x			
BA-4B	BA-4B (1-6)	Soil	1-6	Field East	410-212493-16	x			
BA-METH1-1A	BA-METH1-1A	Wipe	N/A	Green Slide	410-212484-2			x	
BA-METH2-2A	BA-METH2-2A	Wipe	N/A	Playground Tower	410-212484-9			x	
BA-METH1-3A	BA-METH1-3A	Wipe	N/A	Picnic Tables	410-212484-17			x	
Cheese Park									
BB-1A	BB-1A (0-1)	Soil	0-1	Playground	410-214425-7		x	x	x
BB-1A	BB-1A (1-6)	Soil	1-6	Playground	410-214425-9		x	x	x
BB-1B	BB-1B (0-1)	Soil	0-1	Playground	410-214425-8	x			
BB-1B	BB-1B (1-6)	Soil	1-6	Playground	410-214425-10	x			
BB-2A	BB-2A (0-1)	Soil	0-1	Near Tree	410-214425-11		x	x	x
BB-2A	BB-2A (1-6)	Soil	1-6	Near Tree	410-214425-13		x	x	x
BB-2B	BB-2B (0-1)	Soil	0-1	Near Tree	410-214425-12	x			
BB-2B	BB-2B (1-6)	Soil	1-6	Near Tree	410-214425-14	x			
BB-3A	BB-3A (0-1)	Soil	0-1	Baseball Field North	410-214425-15		x	x	x
BB-3A	BB-3A (1-6)	Soil	1-6	Baseball Field North	410-214425-17		x	x	x
BB-3B	BB-3B (0-1)	Soil	0-1	Baseball Field North	410-214425-16	x			
BB-3B	BB-3B (1-6)	Soil	1-6	Baseball Field North	410-214425-18	x			
BB-METH1-1A	BB-METH1-1A	Wipe	N/A	Green Tube	410-213171-3			x	
BB-METH1-2A	BB-METH1-2A	Wipe	N/A	Beige Slide	410-213171-9			x	
BB-METH1-3A	BB-METH1-3A	Wipe	N/A	Green Spinner	410-213171-17			x	

TABLE 2 Soil Sampling Consolidated Results - Results Above PADEP Act 2 Standards for Residential Direct Contact			
Parameter	**PA DEP Act 2 Direct Contact for Residential Soils 0-15 feet**	**Results**	**Locations**
PAHs	Various	Not detected or below Act 2 Standards	N/A
Arsenic	12 mg/kg	At or above Act 2 Standards (Representative of Background)	AF-1A (1-6 inches): 15 mg/kg AF-3A (0-1 inch): 13 mg/kg AF-3A (1-6 inches): 12 mg/kg JS-2A (0-1 inch): 16 mg/kg JS-2A (1-6 inches): 16 mg/kg JS-3A (0-1 inch): 19 mg/kg BA-3A (1-6 inch): 12 mg/kg
All Other Metals	Various	Below Act 2 Standards	N/A
Cyanide Total	N/A	No Detections	N/A
Cyanide Free	130 mg/kg	No Detections	N/A
PLM*	N/A	No Detections	N/A

**The Workplans indicated that if asbestos was detected by PLM, then additional speciation of the asbestos would be performed via Transmission Electron Microscopy (TEM) to further assess asbestos risk. Since no asbestos was detected by PLM and detection limits were at or less than 1%, no further evaluation of the data was conducted.*

Appendices

APPENDIX A: SOIL SAMPLING RESULTS FROM JENKINTOWN SCHOOL

Field Sample ID		PA DEP Act 2 Direct Contact Standard for Residential Soils 0-15 feet	JS-1A (0-1)			JS-1A (1-6)			JS-2A (0-1)			JS-2A (1-6)			JS-3A (0-1)			JS-3A (1-6)		
Lab Sample ID			410-212495-1			410-212495-3			410-212495-5			410-212495-7			410-212495-9			410-212495-11		
Description			Soil; 0-1 inch Circle Entrance			Soil; 1-6 in Circle Entrance			Soil; 0-1 in Playground Area			Soil; 1-6 in. Playground Area			Soil; 0-1 in. New Garden			Soil; 1-6 in. New Garden		
Sampling Date			3/14/2025			3/14/2025			3/14/2025			3/14/2025			3/14/2025			3/14/2025		
Parameter	**Units**		**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**
Semivolatiles - 8270E SIM																				
Acenaphthene	ug/Kg	13000000	28	J	9.2	240	J	1.9	61	J	10	13	J	10	57	J	12	24	J	2.0
Acenaphthylene	ug/Kg	13000000	22	J	9.2	19	J	1.9	32	J	10	19	J	10	14	J	12	8.4	J	2.0
Anthracene	ug/Kg	66000000	100		9.2	410		19	110		10	42		10	84		12	43		2.0
Benzo[a]anthracene	ug/Kg	6100	380		9.2	1000		19	450		10	260		10	290		12	180		2.0
Benzo[a]pyrene	ug/Kg	4200	380		9.2	930		19	440		10	270		10	270		12	160		2.0
Benzo[b]fluoranthene	ug/Kg	3500	540		9.2	1300		1.9	590		10	340		10	380		12	220		2.0
Benzo[g,h,i]perylene	ug/Kg	13000000	230		9.2	540		19	240		10	160		10	150		12	87		2.0
Benzo[k]fluoranthene	ug/Kg	3500	180		9.2	370		1.9	220		10	150		10	140		12	77		2.0
Chrysene	ug/Kg	35000	390		9.2	940		19	420		10	250		10	270		12	160		2.0
Dibenz(a,h)anthracene	ug/Kg	1000	69		9.2	140		1.9	76		10	46		10	49		12	28		2.0
Fluoranthene	ug/Kg	8800000	860		9.2	2300		19	950		10	530		10	620		12	350		2.0
Fluorene	ug/Kg	8800000	26		9.2	190		1.9	34		10	9.5	J	10	29		12	12		2.0
Indeno[1,2,3-cd]pyrene	ug/Kg	3500	280		9.2	670		19	310		10	200		10	190		12	110		2.0
Naphthalene	ug/Kg	13000	<7.4		18	42	J	3.8	13	J	20	<8.4	J	21	<9.9		25	2.3	J	3.9
Phenanthrene	ug/Kg	66000000	410		13	1600		26	440		14	190		15	340		17	170		2.8
Pyrene	ug/Kg	6600000	600		3.7	1500		19	710		10	410		10	440		12	250		2.0
2-Methylnaphthalene	ug/Kg	57000	<7.4	J	18	23	J	3.8	<8.2	J	20	<8.4	J	21	<9.9	J	25	1.7	J	3.9
Metals - 6020B and 7471B (Mercury)																				
Aluminum	mg/kg	190000	16000		22	15000		23	19000		23	20000		25	35000		29	16000		24
Antimony	mg/kg	88	0.34		0.22	0.48		0.23	0.68		0.23	0.84	J	1.2	0.34		0.29	0.10	J	0.24
Arsenic	mg/kg	12	4.9		0.43	7.9		0.45	**16**		0.47	**16**		0.49	**19**		0.58	8.7		0.48
Barium	mg/kg	44000	110		0.43	82		0.45	150		0.47	170		0.49	110		0.58	50		0.48
Beryllium	mg/kg	440	0.80		0.11	0.88		0.11	1.1		0.12	1.5		0.12	1.5		0.14	0.63		0.12
Cadmium	mg/kg	110	0.14		0.11	0.18		0.11	0.50		0.12	0.58	J	0.62	0.20		0.14	0.092	J	0.12
Calcium	mg/kg	N/A	4300		43	1600		45	2000		47	1900		49	2100		58	840		48
Chromium	mg/kg	190000(1)	33		0.43	24		0.45	25		0.47	31		0.49	27		0.58	9.4		0.48
Cobalt	mg/kg	66	12		0.22	6.8		0.23	13		0.23	33		0.25	17		0.29	6.5		0.24
Copper	mg/kg	7200	22		0.43	18		0.45	45		0.47	41		0.49	51		0.58	16		0.48
Iron	mg/kg	150000	23000		22	19000		23	22000		23	29000		25	27000		29	9800		24
Lead	mg/kg	500	47		0.22	38		0.23	190		0.23	180		0.25	95		0.29	38		0.24
Magnesium	mg/kg	N/A	5200		11	3100		11	2900		12	3800		12	4500		14	1500		12
Manganese	mg/kg	31000	470		0.43	590		0.45	650		0.47	1100		0.49	550		0.58	200		0.48
Nickel	mg/kg	4400	28		0.43	13		0.45	28		0.47	29		0.49	28		0.58	15		0.48
Potassium	mg/kg	N/A	3100		43	2000		45	2800		47	3400		49	4000		58	1400		48
Selenium	mg/kg	1100	0.39	J	0.43	0.34	J	0.45	0.65		0.47	0.69		0.49	0.36	J	0.58	0.13	J	0.48
Silver	mg/kg	1100	0.063	J	0.11	0.059	J	0.11	0.15		0.12	0.14		0.12	0.18		0.14	0.070	J	0.12
Sodium	mg/kg	N/A	160		54	110		57	92		58	63		62	79		72	29	J	60
Thallium	mg/kg	2.2	0.21		0.11	0.17		0.11	0.36		0.12	0.45		0.12	0.40		0.14	0.14		0.12
Vanadium	mg/kg	1100	41		0.86	33		0.9	33		0.93	44		0.99	38		1.2	14		0.95
Zinc	mg/kg	66000	85		32	65		34	150		35	170		37	150		43	45		36
Mercury	mg/kg	35	0.072		0.066	0.082		0.063	0.21		0.063	0.24		0.074	0.26		0.087	0.18		0.068
Cyanide Total- 9012B and Cyanide Free - Kelada-01 Rev 1.2																				
Cyanide - Total	mg/kg	N/A	<0.20		0.55	<0.19		0.54	<0.22		0.61	<0.22		0.62	<0.26		0.73	<0.19		0.54
Cyanide - Free	mg/kg	130	<1.19		1.19	<1.18		1.18	<1.29		1.29	<1.20		1.2	<1.48		1.48	<1.38		1.38
Asbestos																				
PLM	%	N/A	ND		(B sample)	ND		(B sample)	ND		(B sample)	ND		(B sample)	ND		(B sample)	ND		(B sample)
TEM	%	N/A	N/A			N/A			N/A			N/A			N/A			N/A		

J Results is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

RL Reporting Limit

(1) Most chromium in soil is in the III valence state. PADEP has two screening values for chromium - the value shown is for Chromium III.

APPENDIX B: SOIL SAMPLING RESULTS FROM ABINGTON FRIENDS SCHOOL

Field Sample ID		PA DEP Act 2 Direct Contact Standard for Residential Soils 0-15 feet	AF-1A (0-1)			AF-1A (1-6)			AF-2A (0-1)			AF-2A (1-6)			AF-3A (0-1)			AF-3A (1-6)		
Lab Sample ID			410-212494-1			410-212494-3			410-212494-5			410-212494-7			410-212494-9			410-212494-11		
Description			Soil; 0-1 inch Between Baseball Field and Pool			Soil; 1-6 in Between Baseball Field and Pool			Soil; 0-1 in Small Playground Near Parking			Soil; 1-6 in. Small Playground Near Parking			Soil; 0-1 in. Garden Area			Soil; 1-6 in. Garden Area		
Sampling Date			3/14/2025			3/14/2025			3/14/2025			3/14/2025			3/14/2025			3/14/2025		
Parameter	**Units**		**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**
Semivolatiles - 8270E SIM																				
Acenaphthene	ug/Kg	13000000	36	J	11	4.3	J	9.5	<4.0		10	0.95	J	2.3	2.0	J	1.7	2.4	J	2.1
Acenaphthylene	ug/Kg	13000000	23	J	11	12	J	9.5	5.1	J	10	6.9	J	2.3	10	J	1.7	5.5	J	2.1
Anthracene	ug/Kg	66000000	100		11	16		9.5	4.1	J	10	6.6		2.3	12		1.7	11		2.1
Benzo[a]anthracene	ug/Kg	6100	360		11	82		9.5	16		10	30		2.3	68		1.7	41		2.1
Benzo[a]pyrene	ug/Kg	4200	360		11	88		9.5	18		10	34		2.3	72		1.7	41		2.1
Benzo[b]fluoranthene	ug/Kg	3500	540		11	120		9.5	28		10	48		2.3	100		1.7	57		2.1
Benzo[g,h,i]perylene	ug/Kg	13000000	250		11	59		9.5	14		10	22		2.3	45		1.7	25		2.1
Benzo[k]fluoranthene	ug/Kg	3500	170		11	40		9.5	8.0	J	10	15		2.3	35		1.7	20		2.1
Chrysene	ug/Kg	35000	370		11	85		9.5	18		10	31		2.3	70		1.7	41		2.1
Dibenz(a,h)anthracene	ug/Kg	1000	72		11	18		9.5	<4.0		10	6.7		2.3	14		1.7	8.1		2.1
Fluoranthene	ug/Kg	8800000	810		11	160		9.5	30		10	54		2.3	140		1.7	80		2.1
Fluorene	ug/Kg	8800000	42		11	5.0	J	9.5	<4.0		10	1.4	J	2.3	2.6		1.7	3.3		2.1
Indeno[1,2,3-cd]pyrene	ug/Kg	3500	290		11	71		9.5	15		10	25		2.3	55		1.7	31		2.1
Naphthalene	ug/Kg	13000	22	J	21	<7.6		19	<8.0		20	7.4	J	4.7	1.5	J	3.4	2.7	J	4.1
Phenanthrene	ug/Kg	66000000	480		15	67		13	12	J	14	17		3.3	46		2.4	37		2.9
Pyrene	ug/Kg	6600000	590		11	130		9.5	24		10	42		2.3	100		1.7	58		2.1
2-Methylnaphthalene	ug/Kg	57000	12	J	21	<7.6	J	19	<8.0	J	20	<1.9	J	4.7	1.6	J	3.4	2.6	J	4.1
Metals - 6020B and 7471B (Mercury)																				
Aluminum	mg/kg	190000	21000		23	23000		80	29000	J	98	26000		25	23000		20	22000		25
Antimony	mg/kg	88	0.34		0.23	0.23		0.16	0.12		0.20	0.19	J	0.25	0.29		0.20	0.25		0.25
Arsenic	mg/kg	12	11		0.47	**15**		0.32	5.9		0.39	9.1		0.50	**13**		0.40	**12**		0.49
Barium	mg/kg	44000	130		0.47	120		0.320	160		0.39	190		0.50	110		0.40	96		0.49
Beryllium	mg/kg	440	1.5		0.12	1.8		0.080	1.5		0.098	1.4		0.13	1.2		0.099	1.1		0.12
Cadmium	mg/kg	110	0.30		0.12	0.23		0.080	0.11		0.098	0.20		0.13	0.34		0.099	0.31		0.12
Calcium	mg/kg	N/A	3900		47	5400		160	2600		200	10000		50	1900		40	1500		49
Chromium	mg/kg	190000(1)	39		0.47	51		0.32	50		0.39	310		0.50	41		0.40	43		0.49
Cobalt	mg/kg	66	15		0.23	16		0.16	19		0.20	15		0.25	11		0.20	9.7		0.25
Copper	mg/kg	7200	44		0.47	38		0.32	45		0.39	53		0.50	20		0.40	18		0.49
Iron	mg/kg	150000	30000		23	32000		80	35000		98	47000		130	25000		91	26000		20
Lead	mg/kg	500	71		0.23	57		0.16	30		0.20	40		0.25	63		0.20	51		0.25
Magnesium	mg/kg	N/A	5400		12	7500		8.0	8000		9.8	8600		13	3000		9.9	2800		12
Manganese	mg/kg	31000	590		0.47	640		0.32	630		0.39	2800		2.5	570		0.40	480		0.49
Nickel	mg/kg	4400	27		0.47	27		0.32	32		0.39	30		0.50	21		0.40	19		0.49
Potassium	mg/kg	N/A	3400		47	3700		32	6100		39	5000		50	1800		40	1700		49
Selenium	mg/kg	1100	0.37	J	0.47	0.43		0.32	0.34	J	0.39	0.37	J	63	0.58		0.40	0.51		0.49
Silver	mg/kg	1100	0.13		0.12	0.11		0.080	0.053	J	0.098	0.085	J	0.50	0.15		0.099	0.17		0.12
Sodium	mg/kg	N/A	150		59	190		40	140		49	160		0.13	90		50	81		61
Thallium	mg/kg	2.2	0.32		0.12	0.42		0.080	0.39		0.098	0.37		63	0.23		0.099	0.23		0.12
Vanadium	mg/kg	1100	51		0.94	65		0.64	70		0.78	99		1.0	45		0.80	44		0.98
Zinc	mg/kg	66000	120		35	110		24	100		29	120		38	82		30	68		37
Mercury	mg/kg	35	0.27		0.077	0.46		0.067	0.14		0.071	0.35		0.083	0.26		0.057	0.19		0.075
Cyanide Total- 9012B and Cyanide Free - Kelada-01 Rev 1.2																				
Cyanide - Total	mg/kg	N/A	<0.22		0.62	<0.19		0.53	<0.21		0.60	<0.25		0.69	<0.18		0.49	<0.22		0.60
Cyanide - Free	mg/kg	130	<1.21		1.21	<1.19		1.19	<1.16		1.16	<1.32		1.32	<1.06		1.06	<1.23		1.23
Asbestos																				
PLM	%	N/A	ND	(B sample)		ND	(B sample)		ND	(B sample)		ND	(B sample)		ND	(B sample)		ND	(B sample)	
TEM	%	N/A	N/A			N/A			N/A			N/A			N/A			N/A		

J Results is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

RL Reporting Limit

(1) Most chromium in soil is in the III valence state. PADEP has two screening values for chromium - the value shown is for Chromium III.

APPENDIX C: SOIL SAMPLING RESULTS FOR WALL PARK (Background Location A)

Field Sample ID		PA DEP Act 2 Direct Contact Standard for Residential Soils 0-15 feet	BA-1A (0-1)			BA-1A (1-6)			BA-2A (0-1)			BA-2A (1-6)			BA-3A (0-1)			BA-3A (1-6)			BA-4A (0-1)			BA-4A (1-6)		
Lab Sample ID			410-212493-1			410-212493-3			410-212493-5			410-212493-7			410-212493-9			410-212493-11			410-212493-13			410-212493-15		
Description			Soil; 0-1 inch Playground/Tennis			Soil; 1-6 in Playground/Tennis			Soil; 0-1 in Playground/Bathroom			Soil; 1-6 in. Playground/Bathroom			Soil; 0-1 in. Field North			Soil; 1-6 in. Field North			Soil; 0-1 in. Field East			Soil; 1-6 in. Field East		
Sampling Date			3/15/2025			3/15/2025			3/15/2025			3/15/2025			3/15/2025			3/15/2025			3/15/2025			3/15/2025		
Parameter	**Units**		**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**
Semivolatiles - 8270E SIM																										
Acenaphthene	ug/Kg	13000000	8.9	J	21	5.6		1.9	<9.8		24	17	J	22	72	J	11	67	J	11	59	J	11	63	J	11
Acenaphthylene	ug/Kg	13000000	43		21	58		1.9	19	J	24	22		22	450	J	11	310	J	11	370	J	11	290	J	11
Anthracene	ug/Kg	66000000	39		21	33		1.9	19	J	24	42		22	360		11	300		11	360		11	430		11
Benzo[a]anthracene	ug/Kg	6100	230		21	200		1.9	93		24	210		22	2000		11	1700		11	2200		11	2400		54
Benzo[a]pyrene	ug/Kg	4200	240		21	220		1.9	100		24	210		22	2000		11	1700		11	2500		57	2400		54
Benzo[b]fluoranthene	ug/Kg	3500	320		21	290		1.9	140		24	280		22	2900		57	2400		11	3200		57	3000		11
Benzo[g,h,i]perylene	ug/Kg	13000000	150		21	150		1.9	70		24	120		22	1300		11	1000		11	1500		11	1300		11
Benzo[k]fluoranthene	ug/Kg	3500	110		21	100		1.9	48.0		24	86		22	970		11	780		11	1100		11	980		54
Chrysene	ug/Kg	35000	210		21	190		1.9	96		24	180		22	1900		11	1600		11	1900		11	1900		11
Dibenz(a,h)anthracene	ug/Kg	1000	46		21	45		1.9	25		24	41		22	400		11	310		11	430		11	400		11
Fluoranthene	ug/Kg	8800000	410		21	300		1.9	180		24	380		22	77		57	3300		54	3300		57	3700		54
Fluorene	ug/Kg	8800000	11	J	21	7.0		1.9	<9.8		24	11	J	22	3700		11	70		11	58		11	66		11
Indeno[1,2,3-cd]pyrene	ug/Kg	3500	180		21	170		1.9	87		24	150		22	1500		11	1200		11	1700		11	1600		11
Naphthalene	ug/Kg	13000	<17		41	6.6		3.8	<20		49	<18		44	46	J	23	28	J	22	57		23	46	J	22
Phenanthrene	ug/Kg	66000000	150		29	98		2.7	63		34	170		31	1200		16	1100		15	830		16	1200		15
Pyrene	ug/Kg	6600000	330		21	280		1.9	140		24	300		22	2800		57	2500		54	2900		57	3000		54
2-Methylnaphthalene	ug/Kg	57000	<17		41	5.4		1.9	<20		49	<18		44	32	J	23	20	J	22	29		23	23	J	22
Metals - 6020B and 7471B (Mercury)																										
Aluminum	mg/kg	190000	24000		21	26000		22	28000		26	27000		24	35000		23	30000		24	30000		23	29000		21
Antimony	mg/kg	88	0.25		0.21	0.23		0.22	0.53		0.26	0.52		0.24	0.83		0.23	0.91		0.24	0.59		0.23	0.65		0.21
Arsenic	mg/kg	12	5.4		0.41	5.2		0.45	6.1		0.52	7.1		0.48	10		0.46	**12**		0.48	11		0.46	11		0.42
Barium	mg/kg	44000	120		0.41	130		0.45	180		0.52	260		0.48	190		0.46	190		0.48	200		0.46	190		0.42
Beryllium	mg/kg	440	1.1		0.10	1.2		0.11	1.4		0.13	1.5		0.12	1.7		0.12	2		0.12	1.7		0.11	1.7		0.11
Cadmium	mg/kg	110	0.17		0.10	0.20		0.11	0.61		0.13	1.10		0.12	1.3		0.12	1.300		0.12	0.33		0.11	0.23		0.11
Calcium	mg/kg	N/A	1500		41	1300		45	3400		52	3100		48	6900		46	3700		48	5100		46	3000		42
Chromium	mg/kg	190000(1)	33		0.41	35		0.45	36		0.52	37		0.48	47		0.46	47		0.48	50		0.46	52		0.42
Cobalt	mg/kg	66	14		0.21	15		0.22	17		0.26	16		0.24	17		0.23	16		0.24	18		0.23	17		0.21
Copper	mg/kg	7200	35		0.41	36		0.45	61		0.52	94		0.48	82		0.46	79		0.48	56		0.46	54		0.42
Iron	mg/kg	150000	26000		98	32000		91	28000		100	32000		93	29000		120	34000		120	37000		110	36000		110
Lead	mg/kg	500	56		0.21	48		0.22	250		0.26	330		0.24	290		0.23	320		0.24	110		0.23	110		0.21
Magnesium	mg/kg	N/A	7800		10	8300		11.0	7400		13	6900		12	7900		12	7600		12	8000		11	7800		11
Manganese	mg/kg	31000	530		0.41	560		0.45	740		0.52	690		0.48	730		0.46	690		0.48	660		0.46	650		0.42
Nickel	mg/kg	4400	27		0.41	29		0.45	36		0.52	33		0.48	34		0.46	34		0.48	33		0.46	33		0.42
Potassium	mg/kg	N/A	6300		41	6400		45	5900		52	6000		48	4700		46	3900		48	5400		46	5100		42
Selenium	mg/kg	1100	0.37	J	0.41	0.46		0.45	0.61		0.52	0.65		0.48	0.85		0.46	0.88		0.48	0.77		0.46	0.86		0.42
Silver	mg/kg	1100	0.088	J	0.10	0.083	J	0.11	0.57		0.13	1.1		0.12	0.19		0.12	0.180		0.12	0.12		0.11	0.12		0.11
Sodium	mg/kg	N/A	160		52	170		56	140		64	180		60	290		58	230		61	300		57	300		53
Thallium	mg/kg	2.2	0.43		0.10	0.45		0.11	0.47		0.13	0.48		0.12	0.40		0.12	0.42		0.12	0.47		0.11	0.44		0.11
Vanadium	mg/kg	1100	48		0.83	50		0.89	49		1.0	54		0.96	81		0.92	82		0.97	76		0.91	79		0.85
Zinc	mg/kg	66000	210		31	230		33	320		39	540		180	260		35	250		36	170		34	150		32
Mercury	mg/kg	35	0.062	J	0.071	0.069		0.064	0.41		0.089	0.33		0.074	0.17		0.080	0.18		0.075	0.16		0.083	0.16		0.073
Cyanide Total- 9012B and Cyanide Free - Kelada-01 Rev 1.2																										
Cyanide - Total	mg/kg	N/A	<0.22		0.62	<0.20		0.56	<0.25		0.70	<0.23		0.65	<0.24		0.66	<0.23		0.63	<0.24		0.67	<0.22		0.61
Cyanide - Free	mg/kg	130	<1.28		1.28	<1.12		1.12	<1.60		1.60	<1.39		1.39	<1.47		1.47	<1.31		1.31	<1.31		1.31	<1.26		1.26
Asbestos																										
PLM	%	N/A	ND		(B sample)	ND		(B sample)	ND		(B sample)	ND		(B sample)	ND		(B sample)	ND		(B sample)	ND		(B sample)	ND		(B sample)
TEM	%	N/A	N/A			N/A			N/A			N/A			N/A			N/A			N/A			N/A		

J Results is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

RL Reporting Limit

(1) Most chromium in soil is in the III valence state. PADEP has two screening values for chromium - the value shown is for Chromium III.

APPENDIX D: SOIL SAMPLING RESULTS FOR THE CHEESE PLAYGROUND (Background Location B)

Field Sample ID		PA DEP Act 2 Direct Contact Standard for Residential Soils 0-15 feet	BB-1A (0-1)			BB-1A (1-6)			BB-2A (0-1)			BB-2A (1-6)			BB-3A (0-1)			BB-3A (1-6)		
Lab Sample ID			410-214425-7			410-214425-9			410-214425-11			410-214425-13			410-214425-15			410-214425-17		
Description			Soil; 0-1 inch Playground			Soil; 1-6 in Playground			Soil; 0-1 in Near Tree			Soil; 1-6 in. Near Tree			Soil; 0-1 in. Baseball Field North			Soil; 1-6 in. Baseball Field North		
Sampling Date			3/17/2025			3/17/2025			3/17/2025			3/17/2025			3/17/2025			3/17/2025		
Parameter	**Units**		**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Playground**	**Q**	**RL**
Semivolatiles - 8270E SIM																				
Acenaphthene	ug/Kg	13000000	6.7		2.7	8.6	J	11	4.5		2.8	11		11	4.1		3.1	13		11
Acenaphthylene	ug/Kg	13000000	4.7		2.7	9.8	J	11	5.4		2.8	12		11	6.4		3.1	27		11
Anthracene	ug/Kg	66000000	20		2.7	28		11	15		2.8	33		11	16		3.1	48		11
Benzo[a]anthracene	ug/Kg	6100	100		2.7	160		11	100		2.8	190		11	120		3.1	360		11
Benzo[a]pyrene	ug/Kg	4200	100		2.7	160		11	110		2.8	210		11	140		3.1	410		11
Benzo[b]fluoranthene	ug/Kg	3500	140		2.7	220		11	150		2.8	300		11	200		3.1	610		11
Benzo[g,h,i]perylene	ug/Kg	13000000	61		2.7	93		11	73		2.8	130		11	88		3.1	260		11
Benzo[k]fluoranthene	ug/Kg	3500	49		2.7	74		11	55.0		2.8	97		11	65		3.1	200		11
Chrysene	ug/Kg	35000	100		2.7	160		11	110		2.8	200		11	130		3.1	390		11
Dibenz(a,h)anthracene	ug/Kg	1000	20		2.7	26		11	22		2.8	35		11	22		3.1	68		11
Fluoranthene	ug/Kg	8800000	210		2.7	350		11	190		2.8	380		11	270		3.1	740		11
Fluorene	ug/Kg	8800000	5.8		2.7	8.4	J	11	4.1		2.8	9.9	J	11	4.3		3.1	11		11
Indeno[1,2,3-cd]pyrene	ug/Kg	3500	77		2.7	120		11	87		2.8	160		11	110		3.1	320		11
Naphthalene	ug/Kg	13000	<2.1		5.3	<8.9		22	2.8	J	5.6	<9.2		23	<2.5		6.2	<8.9		22
Phenanthrene	ug/Kg	66000000	97		3.7	150		16	69		3.9	150		16	88		4.3	210		16
Pyrene	ug/Kg	6600000	160		2.7	260		11	160		2.8	300		11	190		3.1	570		11
2-Methylnaphthalene	ug/Kg	57000	<2.1		2.1	<8.4		8.4	<2.2		2.2	<9.2		9.2	<2.5		2.5	<8.9		8.9
Metals - 6020B and 7471B (Mercury)																				
Aluminum	mg/kg	190000	19000		26	17000		18	27000		29	25000		20	33000		35	37000		26
Antimony	mg/kg	88	0.45		0.26	0.48		0.18	0.52		0.29	0.43		0.20	0.5		0.35	0.43		0.26
Arsenic	mg/kg	12	4.5		0.52	4.6		0.37	5.7		0.58	5.7		0.40	4.6		0.71	5		0.53
Barium	mg/kg	44000	130		0.52	100		0.370	140		0.58	120		0.40	200		0.71	200		0.53
Beryllium	mg/kg	440	0.64		0.13	0.62		0.092	1.0		0.14	0.93		0.10	1.1		0.18	1.0		0.13
Cadmium	mg/kg	110	0.32	J+	0.13	0.27	J+	0.092	0.26	J+	0.14	0.28	J+	0.10	0.34	J+	0.18	0.28		0.13
Calcium	mg/kg	N/A	2200		52	1400		37	6200		58	26000		40	3200		71	2200		53
Chromium	mg/kg	190000(1)	27		0.52	28		0.37	41		0.58	40		0.40	51		0.71	63		0.53
Cobalt	mg/kg	66	8.8		0.26	8.2		0.18	12		0.29	11		0.2	13		0.35	11.0		0.26
Copper	mg/kg	7200	20		0.52	18		0.37	28		0.58	22		0.40	35		0.71	32		0.53
Iron	mg/kg	150000	19000		26	17000		18	27000		29	25000		20	34000		35	35000		26
Lead	mg/kg	500	53		0.26	57		0.18	41		0.29	35		0.20	55		0.35	64		0.26
Magnesium	mg/kg	N/A	3900		13	3400		9.2	6500		14	19000		10	7200		18	6300		13
Manganese	mg/kg	31000	440		0.52	420		0.37	500		0.58	480		0.40	480		0.71	440		0.53
Nickel	mg/kg	4400	15		0.52	13		0.37	22		0.58	21		0.40	24		0.71	26		0.53
Potassium	mg/kg	N/A	3100		52	2400		37	4100		58	2800		40	5400		71.00	4400		53
Selenium	mg/kg	1100	0.29	J	0.52	0.34	J	0.37	0.46	J	0.58	0.35	J	0.40	0.53	J	0.71	0.60		0.53
Silver	mg/kg	1100	0.099	J	0.13	0.099		0.092	0.079	J	0.14	0.071	J	0.10	0.12	J	0.18	0.10	J	0.13
Sodium	mg/kg	N/A	89		65	62		46	99		72	90		50	110		88	76		66
Thallium	mg/kg	2.2	0.23		0.13	0.20		0.092	0.29		0.14	0.24		0.10	0.36		0.18	0.41		0.13
Vanadium	mg/kg	1100	35		1.0	33		0.74	52		1.2	49		30.0	64		1.40	70		1.1
Zinc	mg/kg	66000	90		39	84		28	110		43	91		0.80	140		53	140		40
Mercury	mg/kg	35	0.0079	J	0.096	0.092		0.076	0.091	J	0.095	0.093		0.079	0.14		0.11	0.12		0.074
Cyanide Total- 9012B and Cyanide Free - Kelada-01 Rev 1.2																				
Cyanide - Total	mg/kg	N/A	<0.26		0.73	<0.24		0.66	<0.29		0.80	<0.24		0.67	<0.32		0.89	<0.22		0.62
Cyanide - Free	mg/kg	130	<1.51		1.51	<1.32		1.32	<1.61		1.61	<1.39		1.39	<1.86		1.86	<1.52		1.52
Asbestos																				
PLM	%	N/A	ND		(B sample)	ND		(B sample)	ND		(B sample)	ND		(B sample)	ND		(B sample)	ND		(B sample)
TEM	%	N/A	N/A			N/A			N/A			N/A			N/A			N/A		

J Results is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

J+ Estimated with a potential high bias

RL Reporting Limit

(1) Most chromium in soil is in the III valence state. PADEP has two screening values for chromium - the value shown is for Chromium III.

APPENDIX E: SURFACE WIPE SAMPLING RESULTS FOR JENKINTOWN SCHOOL

Field Sample ID		WTC PAH Indoor Screening	CTEH PA Outdoor Screening	JS-Meth1-1A			JS-Meth1-2A			JS-Meth1-3A		
Lab Sample ID				410-212483-1			410-212483-7			410-212483-13		
Description				Wipe Covered Bench on Playground			Wipe Covered Bench Near West Avenue			Wipe Playground Slide Entrance		
Sampling Date				3/14/2025			3/14/2025			3/14/2025		
Parameter	**Units**			**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**
Semivolatiles - 8270E SIM												
Acenaphthene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Acenaphthylene	ug/wipe	1.45	8.7	<0.12		0.50	<0.12		0.50	<0.12		0.50
Anthracene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Benzo[a]anthracene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Benzo[a]pyrene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Benzo[b]fluoranthene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Benzo[g,h,i]perylene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Benzo[k]fluoranthene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Chrysene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Dibenz(a,h)anthracene	ug/wipe	1.45	8.7	<0.20		0.50	<0.20		0.50	<0.20		0.50
Fluoranthene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Fluorene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Indeno[1,2,3-cd]pyrene	ug/wipe	1.45	8.7	<0.12		0.50	<0.12		0.50	<0.12		0.50
Naphthalene	ug/wipe	1.45	8.7	<0.20		0.50	<0.20		0.50	<0.20		0.50
Phenanthrene	ug/wipe	1.45	8.7	<0.12		0.50	<0.12		0.50	<0.12		0.50
Pyrene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
2-Methylnaphthalene	ug/wipe	1.45	8.7	<0.15		0.50	<0.15		0.50	<0.15		0.50

APPENDIX F: SURFACE WIPE SAMPLING RESULTS FOR ABINGTON FRIENDS SCHOOL												
Field Sample ID		WTC PAH Indoor Screening	CTEH PAH Outdoor Screening	AF-Meth1-1A			AF-Meth1-2A			AF-Meth1-3A		
Lab Sample ID				410-212480-1			410-212480-5			410-212480-9		
Description				Wipe Green Slide on Playground			Wipe Structure on Playground			Wipe Red Dog House on Playground		
Sampling Date				3/14/2025			3/14/2025			3/14/2025		
Parameter	**Units**			**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**
Semivolatiles - 8270E SIM												
Acenaphthene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Acenaphthylene	ug/wipe	1.45	8.7	<0.12		0.50	<0.12		0.50	<0.12		0.50
Anthracene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Benzo[a]anthracene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Benzo[a]pyrene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Benzo[b]fluoranthene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Benzo[g,h,i]perylene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Benzo[k]fluoranthene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Chrysene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Dibenz(a,h)anthracene	ug/wipe	1.45	8.7	<0.20		0.50	<0.20		0.50	<0.20		0.50
Fluoranthene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Fluorene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Indeno[1,2,3-cd]pyrene	ug/wipe	1.45	8.7	<0.12		0.50	<0.12		0.50	<0.12		0.50
Naphthalene	ug/wipe	1.45	8.7	<0.20		0.50	<0.20		0.50	<0.20		0.50
Phenanthrene	ug/wipe	1.45	8.7	<0.12		0.50	<0.12		0.50	<0.12		0.50
Pyrene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
2-Methylnaphthalene	ug/wipe	1.45	8.7	<0.15		0.50	<0.15		0.50	<0.15		0.50

APPENDIX G: SURFACE WIPE SAMPLING RESULTS FOR WALL PARK (BACKGROUND LOCATION A)

Field Sample ID		WTC PAH Indoor Screening	CTEH PAH Outdoor Screening	BA-Meth1-1A			BA-Meth1-2A			BA -Meth1-3A		
Lab Sample ID				410-212284-2			410-212284-9			410-212284-17		
Description				Wipe Green Slide			Wipe Playground Tower			Wipe Picnic Tables		
Sampling Date				3/15/2025			3/15/2025			3/15/2025		
Parameter	**Units**			**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**
Semivolatiles - 8270E SIM												
Acenaphthene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Acenaphthylene	ug/wipe	1.45	8.7	<0.12		0.50	<0.12		0.50	<0.12		0.50
Anthracene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Benzo[a]anthracene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Benzo[a]pyrene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Benzo[b]fluoranthene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Benzo[g,h,i]perylene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Benzo[k]fluoranthene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Chrysene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Dibenz(a,h)anthracene	ug/wipe	1.45	8.7	<0.20		0.50	<0.20		0.50	<0.20		0.50
Fluoranthene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Fluorene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Indeno[1,2,3-cd]pyrene	ug/wipe	1.45	8.7	<0.12		0.50	<0.12		0.50	<0.12		0.50
Naphthalene	ug/wipe	1.45	8.7	<0.20		0.50	<0.20		0.50	<0.20		0.50
Phenanthrene	ug/wipe	1.45	8.7	<0.12		0.50	<0.12		0.50	<0.12		0.50
Pyrene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
2-Methylnaphthalene	ug/wipe	1.45	8.7	<0.15		0.50	<0.15		0.50	<0.15		0.50

APPENDIX H: SURFACE WIPE RESULTS FOR THE CHEESE PLAYGROUND (BACKGROUND LOCATION B)												
Field Sample ID		WTC PAH Indoor Screening	CTEH PAH Outdoor Screening	BB-Meth1-1A			BB-Meth1-2A			BB -Meth1-3A		
Lab Sample ID				410-213171-3			410-212284-9			410-212284-17		
Description				Wipe Green Tube			Wipe Beige Slide			Wipe Green Spinner		
Sampling Date				3/15/2025			3/15/2025			3/15/2025		
Parameter	**Units**			**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**
Semivolatiles - 8270E SIM												
Acenaphthene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Acenaphthylene	ug/wipe	1.45	8.7	<0.12		0.50	<0.12		0.50	<0.12		0.50
Anthracene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Benzo[a]anthracene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Benzo[a]pyrene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Benzo[b]fluoranthene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Benzo[g,h,i]perylene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Benzo[k]fluoranthene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Chrysene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Dibenz(a,h)anthracene	ug/wipe	1.45	8.7	<0.20		0.50	<0.20		0.50	<0.20		0.50
Fluoranthene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Fluorene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
Indeno[1,2,3-cd]pyrene	ug/wipe	1.45	8.7	<0.12		0.50	<0.12		0.50	<0.12		0.50
Naphthalene	ug/wipe	1.45	8.7	<0.20		0.50	<0.20		0.50	<0.20		0.50
Phenanthrene	ug/wipe	1.45	8.7	<0.12		0.50	<0.12		0.50	<0.12		0.50
Pyrene	ug/wipe	1.45	8.7	<0.10		0.50	<0.10		0.50	<0.10		0.50
2-Methylnaphthalene	ug/wipe	1.45	8.7	<0.15		0.50	<0.15		0.50	<0.15		0.50