



August 30, 2023

Ms. Lisa Dunning
Task Order Contracting Officer's Representative (TOCOR)
U.S. Environmental Protection Agency (EPA), Region 7
11201 Renner Boulevard
Lenexa, Kansas 66219

**Subject: Contract 68HERH19D0018 – Task Order (TO) 68E0719F0190
Boys and Girls Home
2101 Court Street, Sioux City, Woodbury County, Iowa
Targeted Brownfields Assessment, Hazardous Materials Survey**

Dear Ms. Dunning:

Toeroek Associates, Inc. (Toeroek) and our teaming subcontractor, Tetra Tech, Inc. (Tetra Tech) (hereafter, the "Toeroek Team") is pleased to present the attached hazardous materials survey for the Boys and Girls Home at 2101 Court Street in Sioux City, Woodbury County, Iowa. This deliverable has been reviewed internally as part of both Tetra Tech's and Toeroek's quality assurance programs; it is also consistent with Toeroek's quality management plan for the Resource Conservation and Recovery Act (RCRA) Enforcement and Permitting Assistance (REPA) contract. Documentation of this review is retained in the Toeroek Team's project files.

If you have any questions or comments, please contact Greg Hanna at 720-898-4102 or Kaitlyn Mitchell at 816-412-1742.

Sincerely,

Greg Hanna
Toeroek Team Program Manager

Kaitlyn Mitchell
Toeroek Team Project Manager

Enclosure: QAPP

cc: Leeanna Balsley, EPA Region 7 (cover letter only)
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**TARGETED BROWNFIELDS ASSESSMENT
HAZARDOUS MATERIALS SURVEY**

**BOYS AND GIRLS HOME
2101 COURT STREET
SIOUX CITY, WOODBURY COUNTY, IOWA**



Prepared for:

**U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 7**

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1.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA) tasked Toeroek Associates, Inc. (Toeroek) and its teaming subcontractor, Tetra Tech, Inc. (Tetra Tech) (hereafter, the “Toeroek Team”) to provide technical support to the EPA Region 7 Brownfields Program under Contract Number (No.) 68HERH19D0018, Task Order (TO) No. 68E0719F0190. Specifically, EPA Region 7 requested that the Toeroek Team conduct a hazardous materials survey (the “Survey”) as part of a Targeted Brownfields Assessment (TBA) of the Former Boys and Girls Home at 2101 Court Street in Sioux City, Woodbury County, Iowa. The name of the site refers to the multiple connected buildings and surrounding maintenance buildings on the parcel, which is hereinafter referred to as the “subject property.” Layouts of each floor of each building are included in the figures in [Appendix A](#).

Construction of the subject property buildings occurred prior to 1978; as such, asbestos-containing materials (ACM) and lead-based paint (LBP) were likely used during construction. Additionally, caulk may have contained polychlorinated biphenyls (PCBs). Considering these possibilities, the scope of this Survey included an inspection of the subject property buildings for the presence of ACM, LBP, and PCBs in caulk. The Toeroek Team also conducted a Phase II Environmental Site Assessment (ESA), which is submitted under separate cover.

The Toeroek Team conducted this Survey between June 5 and 16, 2023; [Appendix B](#) includes the photographic documentation log of the observations made during the Survey effort. Prior to this Survey, the Toeroek Team submitted a site-specific quality assurance project plan (QAPP) in support of survey activities to EPA on March 13, 2023. EPA approved the QAPP on April 13, 2023 (Toeroek Team 2023). The Toeroek Team’s project manager was Ms. Kaitlyn Mitchell, and Mr. Stephen Knerr, an Iowa-licensed asbestos and lead inspector, was the field team leader. The field team was composed of Ms. Macy LaMasney, Mr. Geoffrey Jay, and Mr. Stephen Knerr—inspector certifications are provided in [Appendix C](#). Overall, prior to any renovations or demolition of the subject property buildings, the Toeroek Team concludes that additional building material characterization work may be needed to comply with all local, state, and federal requirements regulating ACM, LBP, and PCBs.

The purpose of the ACM portion of this Survey was to evaluate subject property buildings for the presence, quantity, locations, and characterization of ACM that may require abatement prior to any development activities per National Emissions Standards for Hazardous Air Pollutants (NESHAP) regulations as adopted by EPA. The NESHAP regulations protect the public (and workers) by minimizing the release of asbestos fibers during activities involving the processing, handling, or disposal of ACM; the

inhalation of asbestos fibers can cause cancer and other lung diseases (Agency for Toxic Substances and Disease Registry [ATSDR] 2008). Overall, this Survey accorded with industry standard practice for hazardous materials surveys, and the collection of suspected-ACM samples accorded with NESHAP regulations as adopted by EPA.

The Toeroek Team also screened for the presence, quantity, and locations of LBP exceeding lead hazard levels as part of this Survey, which would require Occupational Safety and Health Administration (OSHA) worker safety precautions during development activities at the subject property buildings. The LBP portion of this Survey proceeded according to protocols resembling the single-family housing inspection procedures in the U.S. Department of Housing and Urban Development (HUD) guidelines (HUD 2012). The Toeroek Team screened paint-covered surfaces using an X-ray fluorescence (XRF) spectrometer.

PCBs may be present within the subject property buildings in caulk associated with windows, doors, and masonry columns. The Toeroek Team collected samples from caulk materials suspected to contain PCBs for laboratory analysis to determine presence, quantity, and locations of PCBs exceeding the EPA action level, which would require OSHA worker safety precautions during development and remodeling activities.

This Hazardous Materials Survey report consists of the following sections:

- [Section 2.0](#) Subject Property Buildings.
- [Section 3.0](#) ACM Field Survey and Analytical Protocols.
- [Section 4.0](#) LBP Screening and Analytical Protocols.
- [Section 5.0](#) PCB Field Survey and Analytical Protocols.
- [Section 6.0](#) ACM Findings.
- [Section 7.0](#) LBP Findings.
- [Section 8.0](#) PCB Findings.
- [Section 9.0](#) Findings and Recommendations.
- [Section 10.0](#) Assumptions and Deviations.
- [Section 11.0](#) References.

The Toeroek Team prepared this Hazardous Materials Survey report in accordance with generally accepted industrial hygiene practices and procedures. This Hazardous Materials Survey report does not cover unassessed structural areas, either visibly or by sample collection. Furthermore, the data evaluation and assessment stated herein constitute a professional opinion; no other warranty is expressed or implied. Additionally, the Toeroek Team provided its services per the level and skill ordinarily exercised by members of the profession currently practicing under similar conditions—this statement is in lieu of other statements, either expressed or implied. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and the use or reuse of this document, its findings, its conclusions, and its recommendations is at the risk of said user. Lastly, this Hazardous Materials Survey report does not warrant against future operations or conditions that may not be consistent with its recommendations, because of limitations on destructive sampling during the Survey effort. The completion of this Survey does not guarantee the identification of all ACMs, LBP, or PCBs in caulk. Hazardous materials may be present in the voids of walls, ceilings, or other concealed areas.

2.0 SUBJECT PROPERTY BUILDINGS

The subject property is within a mixed-use commercial and residential area of Sioux City, Iowa. It encompasses 14.39 acres of land on one parcel and hosts a 298,100-square-foot main building with several additions that was originally constructed as a hospital between 1913 and 1957; elevations of the building vary between five and seven stories. The subject property also contains an approximately 200-square-foot shed constructed in 1960 as well as an approximately 1,990-square-foot old garage building and an approximately 8,940-square-foot library building, both of which were constructed in 1945. In addition, an approximately 3,786-square-foot former power plant is on the subject property. Underground tunnels are present on the subject property and connect the main building to the former power plant, the chapel, and the garage.

Currently, portions of the largest building are offices and residential living units for the Boys and Girls Home. The remaining portion of the buildings are unoccupied. The on-site building is constructed of brick, mortar, concrete, and metal. Interior finish includes brick and mortar, concrete, metal, plaster walls, and drywall. Flooring materials include vinyl floor tile and concrete.

3.0 ACM FIELD SURVEY AND ANALYTICAL PROTOCOLS

The Toeroek Team inspected all interior areas of the on-site buildings for ACM. Minor demolition of materials (destructive sampling) was required during the Survey effort. The inspector took care to ensure the subject property remained unoccupied during the work. Overall, sampling of materials suspected to be ACM accorded with NESHAP regulations, as adopted by EPA, and the Asbestos Hazard and Emergency Response Act of 1986 (AHERA).

AHERA defines ACM as any material or product that contains more than 1 percent asbestos. The Toeroek Team grouped suspected ACM into homogeneous areas if the material was similar in appearance and texture; however, if the inspector decided that materials (for example, wall texturing) differed in appearance and texture from other materials, the inspector distinguished the materials as unique and collected samples of each material accordingly. Because of limitations on destructive sampling methods, additional suspect materials that were not sampled may be present in walls, voids, or other concealed areas.

The Toeroek Team collected bulk samples of suspected ACM in such a way to ensure that each distinct layer of material was represented in the sample. A wetting agent was applied to friable surfaces prior to sample collection to reduce the potential for fiber release, and all samples were placed in plastic bags, labeled, and sealed immediately upon collection. To prevent cross-contamination between samples, the sampling instruments were wiped clean by use of a wet, lint-free cloth after the collection of each sample.

Each sample received a unique sample identification number, and the samples remained in the inspector's custody until they were sent to the laboratory. Upon the completion of sampling activities, the Toeroek Team shipped the bulk samples, along with chain-of-custody documentation, to Eurofins EMLab P&K Laboratories (Eurofins), a National Voluntary Laboratory Accreditation Program (NVLAP)-certified laboratory. Eurofins analyzed suspect ACM samples per EPA Method 600/R-93/116 via polarized light microscopy (PLM). Samples determined to contain less than 1 percent asbestos were then analyzed via EPA Point Count 400 (also EPA Method 600/R-93/116).

[Section 6.0](#) summarizes ACM analytical results, which are listed in [Table 1](#). Sample locations are shown on Figures 1 through 23 in [Appendix A](#), and [Appendix D](#) presents the ACM analytical results and chain-of-custody forms for the bulk samples.

4.0 LBP SCREENING AND ANALYTICAL PROTOCOLS

HUD's *Guidelines for the Evaluation and Control of LBP in Housing* (2012) (HUD Guidelines) suggests that paint applied before 1978 could contain lead; therefore, the Toeroek Team screened all areas of the buildings via XRF for potential LBP on surfaces that could be impacted during renovation activities. The XRF screenings of suspected LBP accorded with protocols resembling the single-family housing inspection procedures in the HUD Guidelines.

The Toeroek Team utilized a Thermo Niton XL2 XRF spectrometer to perform these screenings. The Thermo Niton XL2 is an XRF spectrum analyzing system used for the quantitative measurement of lead in paint on various substrates. The Toeroek Team also used the XRF "Lead Paint Mode" for testing, standardized per the equipment instruction manual, and programmed the unit with an action level of 1.0 milligram per square centimeter (mg/cm^2). Paint containing greater than or equal to $1.0 \text{ mg}/\text{cm}^2$ lead via XRF testing or laboratory analysis is considered LBP.

The Toeroek Team performed XRF calibration checks on the Thermo Niton XL2 XRF spectrometer according to the protocol recommended by the manufacturer and the HUD Guidelines. These quality control readings tracked the performance of the Thermo Niton XL2 XRF spectrometer. The Toeroek Team took calibration-check readings at the beginning and end of this Survey using a standard reference material (SRM) paint film developed by the National Institute of Standards and Technology (NIST).

[Section 7.0](#) summarizes the results from the XRF screenings of painted surfaces at the subject property, and [Table 2](#) provides the screening results. Some LBP quantities in [Table 2](#) are combined to avoid duplicate quantities of commingled materials.

5.0 PCB FIELD SURVEY AND ANALYTICAL PROTOCOLS

The Toeroek Team inspected all areas of the subject property buildings for PCBs. The minor demolition of materials (destructive sampling) was required during the Survey effort. The inspector took care to ensure that the areas remained unoccupied during sample collection.

Per EPA guidance, the Toeroek Team collected samples of caulk possibly containing PCBs. The EPA action level is 50 parts per million (ppm) for PCBs in materials; this was the benchmark for this Survey (EPA 2016). The Toeroek Team grouped suspected PCB-containing caulk materials into homogeneous areas if the material was similar in appearance and texture; however, if the inspector decided materials differed in appearance and texture to other materials, or that the materials were associated with a different building construction date, the inspector distinguished the materials as unique and collected separate samples them accordingly.

The Toeroek Team collected bulk samples to ensure that only suspect PCB-containing caulk materials were represented in the sample. A wetting agent was applied to the material prior to sample collection to reduce the potential for the release of particulate matter. All samples were placed in plastic bags, labeled, and sealed immediately upon collection. To prevent cross-contamination between samples, the sampling instruments were wiped clean by use of a wet, lint-free cloth after the collection of each sample.

Each sample received a unique sample identification number, and the samples remained in the inspector's custody until they were sent to the laboratory. Upon the completion of sampling activities, the Toeroek Team shipped the bulk samples, along with chain-of-custody documentation, to Pace Analytical (Pace) in Minneapolis, Minnesota. Pace analyzed bulk samples of suspect PCB-containing caulk materials via EPA Method 8082.

[Appendix E](#) includes the PCB analytical results from the bulk samples as well as the chain-of-custody forms, and [Section 8.0](#) summarizes the analytical results. PCB quantities are listed in [Table 3](#). Sampling locations appear on Figures 1 through 23 in [Appendix A](#).

6.0 ACM FINDINGS

PLM results from samples analyzed for ACM appear in the laboratory report in [Appendix D](#) and are summarized in [Table 1](#). Bolded data in [Table 1](#) indicate samples containing asbestos at a concentration greater than 1 percent. Figures 1 through 23 in [Appendix A](#) show the sample locations.

**TABLE 1 — SUMMARY OF ANALYSIS FOR SUSPECT ACM
 BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

GARAGE

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non-Friable (NF)	Analytical Result (% ACM) ¹	Quantity ²
1	G-RF-01	Black Roof Flashing	Garage Roof	NF	8% Chrysotile	1,012 SF
2	G-RF-02					
3	G-RF-03					
4	G-RM-01	Black Roof Material	Garage Roof	NA	ND	NA
5	G-RM-01					
6	G-RM-03					
7	G-RS-01	Brown Roofing Shingles	Garage Door Awnings	NA	ND	NA
8	G-RS-02					
9	G-RS-03					

LIBRARY

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non-Friable (NF)	Analytical Result (% ACM) ¹	Quantity ²
1	LB-CT1-01	White Ceiling Tile (2' by 2') Fissures and Pinholes	Throughout	NA	ND	NA
2	LB-CT1-02					
3	LB-CT1-03					
4	LB-CT2-01	White Ceiling Tiles (2' by 4') with Pinholes	1 st Floor Closet	NA	ND	NA
5	LB-CT2-02					
6	LB-CT2-03					
7	LB-VFT1-01	Light Green with Gray Streaks Vinyl Floor Tile (12" by 12")	1 st and 2 nd Floors	NF	Floor Tile - 4% Chrysotile Mastic – ND Brown Fibrous Material - ND	50 SF
8	LB-VFT1-02					
9	LB-VFT1-03					
10	LB-PL-01	Plaster	Throughout	NA	ND	NA
11	LB-PL-02					
12	LB-PL-03					

**TABLE 1 — SUMMARY OF ANALYSIS FOR SUSPECT ACM (Continued)
BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non-Friable (NF)	Analytical Result (% ACM) ¹	Quantity ²
13	LB-VI-01	Black Vibration Insulator	Upstairs HVAC Room	NA	ND	NA
14	LB-VI-02					
15	LB-VI-03					
16	LB-RS1-01	Gray Asphalt Shingle	Library Basement Roof	NA	ND	NA
17	LB-RS1-01					
18	LB-RS1-03					
19	LB-RS2-01	Brown Asphalt Shingle	Library Main Roof	NA	ND	NA
20	LB-RS2-02					
21	LB-RS2-03					
22	LB-ASR-01	Asphalt Roof Sealant	Library Basement Roof	NA	ND	NA
23	LB-ASR-02					
24	LB-ASR-03					

POWER PLANT AND TUNNELS

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non-Friable (NF)	Analytical Result (% ACM) ¹	Quantity ²
1	PP-TSI-01	Pipe Insulation	Throughout the Power Plant and Tunnels	F	25% Amosite 10% Chrysotile	400 LF
2	PP-TSI-02					
3	PP-TSI-03					
4	PP-TR-01	Transite Board	Power Plant (Between Large Boilers)	NF	15% Chrysotile	100 SF
5	PP-TR-02					
6	PP-TI-01	Tank Insulation	Upper Room of the Power Plant and Below the Library	F	20% Chrysotile	200 SF
7	PP-TI-02					
8	PP-TI-03					
9	PP-TSI2-01	Aircell Pipe Insulation	Throughout Power Plant and Below the Library	F	60% Chrysotile	600 LF
10	PP-TSI2-02					
11	PP-TSI2-03					

**TABLE 1 — SUMMARY OF ANALYSIS FOR SUSPECT ACM (Continued)
 BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non-Friable (NF)	Analytical Result (% ACM) ¹	Quantity ²
12	PP-PW-01	Gray Pipe Wrap	Main Tunnel off the Basement and Around Styrofoam Insulation	NA	ND	NA
13	PP-PW-02					
14	PP-PW-03					
15	PP-RF-01	Black Flashing	Perimeter of the Roof	NF	10% Chrysotile	500 LF
16	PP-RF-02					
17	PP-RF-03					
18	PP-RC-01	Roof Core	East Side	NA	ND	NA
19	PP-RC-02	Roof Core	West Side	NA	ND	NA

CHAPEL

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non-Friable (NF)	Analytical Result (% ACM) ¹	Quantity ²
1	C-VFTI-01	Red Vinyl Floor Tile (9"x9") With Black Mastic	Mezzanine	NF	Floor Tile-8% Chrysotile Mastic - ND	500 SF
2	C-VFTI-02					
3	C-VFTI-03					
4	C-VI-01	Vermiculite Attic Insulation	Throughout the 4 th Floor	NA	<1% Actinolite ³	NA
5	C-PL-01	Plaster with Topcoat	Throughout Walls and Ceilings	NA	ND	NA
6	C-PL-02					
7	C-PL-03					
8	C-PL-04					
9	C-PL-05					
10	C-PL-06					
11	C-PL-07					
12	C-DWJC-01	Drywall Joint Compound	3 rd Floor – Southeast Office Area	NA	ND	NA
13	C-DWJC-02					
14	C-DWJC-03					

**TABLE 1 — SUMMARY OF ANALYSIS FOR SUSPECT ACM (Continued)
BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non-Friable (NF)	Analytical Result (% ACM) ¹	Quantity ²
15	C-TSI-01	Aircell Pipe Insulation	Throughout	F	60% Chrysotile	1,000 LF
16	C-TSI-02					
17	C-TSI-03					
18	C-WM-01	Wall Mastic	Wood Paneling	NA	ND	NA
19	C-WM-02					
20	C-WM-03					
21	C-WI-01	Gray Wire Insulation	Throughout Walls (Inside)	NA	ND	NA
22	C-WI-02					
23	C-WI-03					
24	C-WG1-01	White Window Glaze	Exterior Windows	NF	5% Chrysotile	128 Windows
25	C-WG1-02					
26	C-WG1-03					
27	C-VFT2-01	Beige with White Streaks Vinyl Floor Tile (12"x12")	4 th Floor East Room	NA	ND	NA
28	C-VFT2-02					
29	C-VFT2-03					
30	C-CT-01	Ceiling Tile with Fissures and Pinholes (2"x2")	Throughout	NA	ND	NA
31	C-CT-02					
32	C-CT-03					
33	C-CBM1-01	Brown Cove Base with Brown Mastic (4")	4 th Floor East Room	NA	ND	NA
34	C-CBM1-02					
35	C-CBM1-03					
36	C-CBM2-01	Black Cove Base with Brown Mastic (6")	Throughout	NA	ND	NA
37	C-CBM2-02					
38	C-CBM2-03					
39	C-TF-01	Terrazzo Flooring	Throughout	NA	ND	NA
40	C-TF-02					
41	C-TF-03					
42	C-PWC-01	Black Plaster Wall Coating	Behind the Altar and Above the Sanctuary Door	NA	ND	NA
43	C-PWC-02					
44	C-PWC-03					

**TABLE 1 — SUMMARY OF ANALYSIS FOR SUSPECT ACM (Continued)
 BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non-Friable (NF)	Analytical Result (% ACM) ¹	Quantity ²
45	C-RF1-01	Black Roof Flashing	Under the Roof Flashing	NF	10% Chrysotile	400 LF
46	C-RF1-02					
47	C-RF1-03					
48	C-RF2-01	Thick Black Roof Flashing	Over the Roof Flashing	NF	10% Chrysotile	400 LF
49	C-RF2-03					
50	C-RF2-03					
51	C-RC-01	Roof Core		NA	ND	NA
52	C-RC-02					
53	C-WC-01	Black Window Caulk	Penthouse Windows	NF	4% Chrysotile	2 Windows
54	C-WC-02					
55	C-WC2-01	White Window Caulk	Penthouse Windows	NF	4% Chrysotile	2 Windows
56	C-WC2-02					
57	C-EJC-01	Expansion Joint Caulk Under Windows	Penthouse Windows	NF	5% Chrysotile	2 Windows
58	C-EJC-02					
59	C-WG2-01	White Window Glaze	Roof Skylight	NA	ND	NA
60	C-WG2-02					
61	C-WC3-01	White Window Caulk	North Side of the Chapel Windows	NF	4% Chrysotile	128 Windows
62	C-WC3-02					
63	C-WC3-03					
64	C-SL-01	Black Sealant	North Side of the Chapel on the Foundation	NF	3% Chrysotile	500 SF
65	C-SL-02					
66	C-SL-03					
67	C-DC-01	Tan Door Caulk	Exterior Doors	NF	3% Chrysotile	5 Doors
68	C-DC-02					
69	C-DC-03					

**TABLE 1 — SUMMARY OF ANALYSIS FOR SUSPECT ACM (Continued)
 BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

BUILDING 25

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non-Friable (NF)	Analytical Result (% ACM) ¹	Quantity ²
1	B25-CTI-01	Ceiling Tile with Fissures and Pinholes (2'x4')	Throughout	NA	ND	NA
2	B25-CT1-02					
3	B25-CT1-03					
4	B25-CT2-01	Ceiling Tile with Fissures and Pinholes (12"x12")	3 rd Floor – A Wing Entrance	NA	ND	NA
5	B25-CT2-02					
6	B25-CT2-03					
7	B25-CT3-01	Ceiling Tile with Fissures and Pinholes (2'x2')	2 nd Floor	NA	ND	NA
8	B25-CT3-02					
9	B25-CT3-03					
10	B25-GD-01	Glue Dots	3 rd Floor – Associated with B25-CT2	NA	ND	NA
11	B25-GD-02					
12	B25-GD-03					
13	B25-PL-01	Plaster	Throughout Walls and Ceilings	NA	ND	NA
14	B25-PL-02					
15	B25-PL-03					
16	B25-PL-04					
17	B25-PL-05					
18	B25-PL-06					
19	B25-PL-07					
20	B25-DWJC-01	Drywall Joint Compound	Throughout on Bump Outs in Medical Rooms	F	White Drywall with Brown Paper – ND Off-White Joint Compound – 2% Chrysotile Cream Tape – ND Off-White Compound with Paint – 2% Chrysotile Composite (Drywall and Joint Compound Layers) - 400 Point Count: <0.25% Chrysotile ³	1,400 SF
21	B25-DWJC-02					
22	B25-DWJC-03					
23	B25-DWJC-04					
24	B25-DWJC-05					
25	B25-DWJC-06					
26	B25-DWJC-07					

**TABLE 1 — SUMMARY OF ANALYSIS FOR SUSPECT ACM (Continued)
BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non-Friable (NF)	Analytical Result (% ACM) ¹	Quantity ²
27	B25-SF-01	Pebble Sheet Flooring	Throughout 3rd Floor Hallways	NF	20% Chrysotile	2,350 SF
28	B25-SF-02					
29	B25-SF-03					
30	B25-CBM1-01	Black Cove Base with Mastic (4")	Throughout 4 th Floor, Eastern Protruding Room on the 3 rd Floor	NA	ND	NA
31	B25-CBM1-02					
32	B25-CBM1-03					
33	B25-CBM2-01	Black Cove Base with Mastic (6")	Throughout Elevator Stairway	NA	ND	NA
34	B25-CBM2-02					
35	B25-CBM2-03					
36	B25-CBM3-01	Off-White Cove Base with Mastic (4")	Southern Portion of the 2 nd Floor	NA	ND	NA
37	B25-CBM3-02					
38	B25-CBM3-03					
39	B25-CWT1-01	Green Ceramic Wall Tile and Mastic (4"x4")	4 th Floor Southern Restroom	NA	ND	NA
40	B25-CWT1-02					
41	B25-CWT1-03					
42	B25-CFT-01	Green Ceramic Floor Tile and Grout (12"x12")	4 th Floor Southern Restroom	NA	ND	NA
43	B25-CFT-02					
44	B25-CFT-03					
45	B25-VI-01	Vermiculite Insulation	Throughout 4 th Floor	NA	<1% Tremolite 400 Point Count: <0.25% Tremolite ³	NA
46	B25-VFT1-01	Vinyl Floor Tile, Grey with Brown Streaks (12"x12")	Throughout 4th and 3rd Floors	NF	Floor Tile - 2% Chrysotile Mastic - ND	15,000
47	B25-VFT1-02					
48	B25-VFT1-03					
49	B25-WM1-01	Brown Wall Mastic	4 th Floor Support Columns	NA	ND	NA
50	B25-WM1-02					
51	B25-WM1-03					

**TABLE 1 — SUMMARY OF ANALYSIS FOR SUSPECT ACM (Continued)
BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non-Friable (NF)	Analytical Result (% ACM) ¹	Quantity ²
52	B25-TSI1-01	12" Pipe Insulation	Access Near Old Elevator/Stairs	F	10% Chrysotile	~ 500 LF
53	B25-TSI1-02					
54	B25-TSI1-03					
55	B25-CWT2-01	Maroon Ceramic Wall Tile with Yellow Mastic (4"x4")	4 th Floor – Near B Entrance	NA	ND	NA
56	B25-CWT2-02					
57	B25-CWT2-03					
58	B25-WM2-01	Wall Mastic	Behind Wood Panels	NA	ND	NA
59	B25-WM2-02					
60	B25-WM2-03					
61	B25-MJF-01	Mudded Joint Fittings	Throughout	F	10% Chrysotile	~ 200 LF
62	B25-MJF-02					
63	B25-MJF-03					
64	B25-VFT2-01	Red Vinyl Floor Tile (9"x9")	3 rd Floor – Eastern Protruding Room	NA	ND	NA
65	B25-VFT2-02					
66	B25-VFT2-03					
67	B25-VFT3-01	Green Vinyl Floor Tile (9"x9")	3 rd Floor – Eastern Protruding Room	NA	ND	NA
68	B25-VFT3-02					
69	B25-VFT3-03					
70	B25-CWT3-01	White Ceramic Wall Tile (3"x7")	Throughout 3 rd Floor	NA	ND	NA
71	B25-CWT3-02					
72	B25-CWT3-03					
73	B25-TSI2-01	Aircell Pipe Insulation	Throughout	F	40% Chrysotile	~ 800 LF
74	B25-TSI2-02					
75	B25-TSI2-03					
76	B25-CWT4-01	Beige Wall Tile (4"x4")	1 st Floor Restrooms	NA	ND	NA
77	B25-CWT4-02					
78	B25-CWT4-03					
79	B25-CBM4-01	Brown Cove Base (4")	Ground Floor - Throughout	NA	ND	NA
80	B25-CBM4-02					
81	B25-CBM4-03					

**TABLE 1 — SUMMARY OF ANALYSIS FOR SUSPECT ACM (Continued)
 BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non-Friable (NF)	Analytical Result (% ACM) ¹	Quantity ²
82	B25-CT4-01	Ceiling Tile with Gouges and Pinholes (2'x2')	Ground Floor - Throughout	NA	ND	NA
83	B25-CT4-02					
84	B25-CT4-03					
85	B25-CB-01	Cork Board Ceiling with Tar	1 st Floor – Old Kitchen Cold Storage	NA	ND	NA
86	B25-CB-02					
87	B25-CB-03					
88	B25-EJCI-01	White Expansion Joint Compound	Roof	NF	4% Chrysotile	~ 200 LF
89	B25-EJCI-02					
90	B25-EJC2-01	Black Expansion Joint Compound	Roof	NA	ND	NA
91	B25-EJC2-02					
92	B25-WC1-01	White Window Caulk	Roof and Penthouse Windows	NF	5% Chrysotile	8 Windows
93	B25-WC1-02					
94	B25-WC1-03					
95	B25-SF2-01	Sheet Flooring with Square Pebbles	2nd Floor – A Wing	NF	20% Chrysotile	4,000 SF
96	B25-SF2-02					
97	B25-SF2-03					
98	B25-CFT2-01	Red Ceramic Floor Tile (6"x6")	Ground of Kitchen	NA	ND	NA
99	B25-CFT2-02					
100	B25-CFT2-03					
101	B25-TF-01	Terrazzo Flooring	Throughout	NA	ND	NA
102	B25-TF-02					
103	B25-TF-03					
104	B25-VFT4-01	Beige Vinyl Floor Tile (12"x12")	Ground – Southeast Room	NF	Floor Tile - 2% Chrysotile Mastic - ND	250 SF
105	B25-VFT4-02					
106	B25-VFT4-03					
107	B25-VFT5-01	Square Pattern Floor Tile (9"x9")	Ground – Southeast Room	NA	ND	NA
108	B25-VFT5-02					
109	B25-VFT5-03					

**TABLE 1 — SUMMARY OF ANALYSIS FOR SUSPECT ACM (Continued)
 BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non-Friable (NF)	Analytical Result (% ACM) ¹	Quantity ²
110	B25-DI-01	Brown Duct Insulation	Central Penthouse	NA	ND	NA
111	B25-DI-02					
112	B25-DI-03					
113	B25-WG-01	Gray Window Glaze	Roof, Penthouse Windows, and All Exterior Windows	NA	ND	NA
114	B25-WG-02					
115	B25-WG-03					
116	B25-DC-01	White Door Caulk	West Door	NF	5% Chrysotile	16 LF
117	B25-DC-02					
118	B25-DC-03					
119	B25-WC2-01	White Window Caulk	Exterior Windows	NA	ND	NA
120	B25-WC2-02					
121	B25-WC2-03					
122	B25-EJ2-01	White Expansion Joint	B25 Hall to Chapel	NF	2% Chrysotile	10 LF
123	B25-EJ2-02					
124	B25-EJ2-03					

MAIN BUILDING

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non-Friable (NF)	Analytical Result (% ACM) ¹	Quantity ²
1	MB-DWJC-01	Drywall and Joint Compound	Throughout	NA	ND	NA
2	MB-DWJC-02					
3	MB-DWJC-03					
4	MB-DWJC-04					
5	MB-DWJC-05					
6	MB-DWJC-06					
7	MB-DWJC-07					

**TABLE 1 — SUMMARY OF ANALYSIS FOR SUSPECT ACM (Continued)
BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non-Friable (NF)	Analytical Result (% ACM) ¹	Quantity ²
8	MB-PLASTER-01	Plaster and Skim Coat	Throughout	NA	ND	NA
9	MB-PLASTER-02					
10	MB-PLASTER-03					
11	MB-PLASTER-04					
12	MB-PLASTER-05					
13	MB-PLASTER-06					
14	MB-PLASTER-07					
15	MB-SV1-01	Pink Sheet Vinyl	5 th and 6 th Floors	NA	ND	NA
16	MB-SV1-02					
17	MB-SV1-03					
18	MB-SU1-01	Black Sink Undercoating	Throughout	NF	5% Chrysotile	15 Sinks
19	MB-SU1-02					
20	MB-SU1-03					
21	MB-VCB1-01	Light Brown Vinyl Cove Base (4")	5 th and 7 th Floors	NA	ND	NA
22	MB-VCB1-02					
23	MB-VCB1-03					
24	MB-VCB2-01	Black Vinyl Cove Base (6")	4 th Floor	NA	ND	NA
25	MB-VCB2-02					
26	MB-VCB2-03					
27	MB-VCB3-01	Gray Vinyl Cove Base (6")	1 st Floor	NA	ND	NA
28	MB-VCB3-02					
29	MB-VCB3-03					
30	MB-VCB4-01	Gray Vinyl Cove Base (6")	1 st , 5 th , and 6 th Floors	NA	ND	NA
31	MB-VCB4-02					
32	MB-VCB4-03					
33	MB-VCB5-01	Cream Colored Vinyl Cove Base (6")	6 th Floor	NA	ND	NA
34	MB-VCB5-02					
35	MB-VCB5-03					
36	MB-VCB6-01	Black Vinyl Cove Base (3")	5 th Floor	NA	ND	NA
37	MB-VCB6-02					
38	MB-VCB6-03					

**TABLE 1 — SUMMARY OF ANALYSIS FOR SUSPECT ACM (Continued)
BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non-Friable (NF)	Analytical Result (% ACM) ¹	Quantity ²
39	MB-VCB7-01	Tan Vinyl Cove Base (6")	Ground, 2 nd , and 4 th Floors	NA	ND	NA
40	MB-VCB7-02					
41	MB-VCB7-03					
42	MB-VCB8-01	Dark Blue Vinyl Cove Base (6")	4 th Floor	NA	ND	NA
43	MB-VCB8-02					
44	MB-VCB8-03					
45	MB-VCB9-01	Black Vinyl Cove Base (4")	2 nd and 3 rd Floors	NA	ND	NA
46	MB-VCB9-02					
47	MB-VCB9-03					
48	MB-VCB10-01	Purple Vinyl Cove Base (4")	Ground Floor	NA	ND	NA
49	MB-VCB10-02					
50	MB-VCB10-03					
51	MB-VCB11-01	Tan Vinyl Cove Base (4")	3 rd Floor	NA	ND	NA
52	MB-VCB11-02					
53	MB-VCB11-03					
54	MB-VCB12-01	Pink Vinyl Cove Base (4")	2 nd and 3 rd Floors	NA	ND	NA
55	MB-VCB12-02					
56	MB-VCB12-03					
57	MB-VCB13-01	Light Brown Vinyl Cove Base (6")	Ground and 3 rd Floors	NA	ND	NA
58	MB-VCB13-02					
59	MB-VCB13-03					
60	MB-VCB14-01	Pinkish Colored Vinyl Cove Base (6")	2 nd Floor	NA	ND	NA
61	MB-VCB14-02					
62	MB-VCB14-03					
63	MB-CT1-01	Off-White Rough Ceiling Tile (2'x2')	7 th Floor	NA	ND	NA
64	MB-CT1-02					
65	MB-CT1-03					
66	MB-CT2-01	White Ceiling Tile with Fissures (2'x4')	Ground, 1 st , 2 nd , 3 rd , 4 th , 5 th , and 6 th Floors	NA	ND	NA
67	MB-CT2-02					
68	MB-CT2-03					

**TABLE 1 — SUMMARY OF ANALYSIS FOR SUSPECT ACM (Continued)
BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non-Friable (NF)	Analytical Result (% ACM) ¹	Quantity ²
69	MB-CT3-01	Smooth Ceiling Tile (2'x2')	4 th Floor	NA	ND	NA
70	MB-CT3-02					
71	MB-CT3-03					
72	MB-CT4-01	Ceiling Tile with Fissures (2'x2')	Ground, 2 nd , 3 rd , 4 th , and 5 th floors	NA	ND	NA
73	MB-CT4-02					
74	MB-CT4-03					
75	MB-CT5-01	White Ceiling Tile with Pinholes (2'x2')	Ground, 3 rd , and 5 th Floors	NA	ND	NA
76	MB-CT5-02					
77	MB-CT5-03					
78	MB-TF-01	Terrazzo Flooring	Throughout	NA	ND	NA
79	MB-TF-02					
80	MB-TF-03					
81	MB-TF-04					
82	MB-TF-05					
83	MB-TF-06					
84	MB-TF-07					
85	MB-CT6-01	White Ceiling Tile (2'x2')	Ground and 1 st Floors	NA	ND	NA
86	MB-CT6-02					
87	MB-CT6-03					
88	MB-DS-01	Black Duct Sealant	Basement	NA	ND	NA
89	MB-DS-02					
90	MB-DS-03					
91	MB-CT7-01	White Ceiling Tile with Fissures (12"x12")	1 st and 4 th Floor	NA	ND	NA
92	MB-CT7-02					
93	MB-CT7-03					
94	MB-GD-01	Ceiling Tile Glue Dots	1 st and 4 th Floor	NA	ND	NA
95	MB-GD-02					
96	MB-GD-03					
97	MB-TSII-01	Tan Air-O-Cell	Throughout	NA	ND	NA
98	MB-TSII-02					
99	MB-TSII-03					

**TABLE 1 — SUMMARY OF ANALYSIS FOR SUSPECT ACM (Continued)
BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non-Friable (NF)	Analytical Result (% ACM) ¹	Quantity ²
100	MB-TS12-01	Mudded Fittings and Elbows	Throughout	NA	ND	NA
101	MB-TS12-02					
102	MB-TS12-03					
103	MB-VFT1-01	Tan Vinyl Floor Tile with Gray Streaks (9"x9")	Basement - C and D Wings	NF	Floor Tile - 4% Chrysotile Mastic - ND	3,400 SF
104	MB-VFT1-02					
105	MB-VFT1-03					
106	MB-VFT2-01	White Vinyl Floor Tile with Gray Streaks (12"x12")	5 th and 6 th Floors	NA	ND	NA
107	MB-VFT2-02					
108	MB-VFT2-03					
109	MB-VFT3-01	Pink Vinyl Floor Tile with Brown Streaks (12"x12")	5 th Floor	NA	ND	NA
110	MB-VFT3-02					
111	MB-VFT3-03					
112	MB-VFT4-01	Blue Vinyl Floor Tile with Blue Streaks (12"x12")	5 th Floor	NA	ND	NA
113	MB-VFT4-02					
114	MB-VFT4-03					
115	MB-VFT5-01	Off-White Vinyl Floor Tile with Brown Streaks (12" by 12")	3 rd and 5 th Floors	NA	ND	NA
116	MB-VFT5-02					
117	MB-VFT5-03					
118	MB-VFT6-01	Green Vinyl Floor Tile with White and Gray Specs (12"x12")	Basement - A Wing	NF	Floor Tile - 6% Chrysotile Mastic - ND	1,500 SF
119	MB-VFT6-02					
120	MB-VFT6-03					
121	MB-VFT7-01	Vinyl Floor Tile (12"x12")	3 rd Floor	NA	ND	NA
122	MB-VFT7-02					
123	MB-VFT7-03					
124	MB-VFT8-01	Pink Vinyl Floor Tile with Cream Streaks (12"x12")	1 st and 2 nd Floor	NA	ND	NA
125	MB-VFT8-02					
126	MB-VFT8-03					
127	MB-VFT9-01	Cream Vinyl Floor Tile with Tan Streaks (12"x12")	4 th Floor	NA	ND	NA
128	MB-VFT9-02					
129	MB-VFT9-03					

**TABLE 1 — SUMMARY OF ANALYSIS FOR SUSPECT ACM (Continued)
BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non-Friable (NF)	Analytical Result (% ACM) ¹	Quantity ²
130	MB-VFT10-01	Off-White Vinyl Floor Tile with Gray Streaks (12"x12")	Ground, 3 rd , and 5 th Floors	NF	Floor Tile - 2% Chrysotile Mastic - ND	900 SF
131	MB-VFT10-02					
132	MB-VFT10-03					
133	MB-VFT11-01	Cream Vinyl Floor Tile with Brown Streaks (12"x12")	Ground, 3 rd , and 5 th Floors	NF	Floor Tile - 2% Chrysotile Mastic - ND	180 SF
134	MB-VFT11-02					
135	MB-VFT11-03					
136	MB-VFT12-01	Cream Vinyl Floor Tile with Pink (12"x12")	2 nd Floor	NA	ND	NA
137	MB-VFT12-02					
138	MB-VFT12-03					
139	MB-VFT13-01	Beige Vinyl Floor Tile with Brown Specs (12"x12")	2 nd Floor	NA	ND	NA
140	MB-VFT13-02					
141	MB-VFT13-03					
142	MB-VFT14-01	Red Vinyl Floor Tile (12"x12")	Ground Floor	NA	ND	NA
143	MB-VFT14-02					
144	MB-VFT14-03					
145	MB-VFT15-01	Tan Vinyl Floor Tile with Brown Streaks (12"x12") with Black Mastic	3 rd and 5 th Floor	NA	ND	NA
146	MB-VFT15-02					
147	MB-VFT15-03					
148	MB-VFT16-01	Gray Vinyl Floor Tile with Gray Streaks (12"x12")	Basement – A and C Wings	NF	Floor Tile - 8% Chrysotile Mastic - ND	2,740 SF
149	MB-VFT16-02					
150	MB-VFT16-03					
151	MB-SC-01	Plaster Skin Coat	Throughout	NA	ND	NA
152	MB-SC-02					
153	MB-SC-03					
154	MB-WPM-01	Wood Panel Mastic	Basement – C Wing	NF	10% Chrysotile	9,505 SF
155	MB-WPM-02					
156	MB-WPM-03					
157	MB-CTM-01	Ceramic Tile Mastic	Ground Floor	NA	ND	NA
158	MB-CTM-02					
159	MB-CTM-03					

**TABLE 1 — SUMMARY OF ANALYSIS FOR SUSPECT ACM (Continued)
 BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non-Friable (NF)	Analytical Result (% ACM) ¹	Quantity ²
160	MB-WG1-01	White Window Glaze	Ground, 1 st , and 7 th Floor	NA	ND	NA
161	MB-WG1-02					
162	MB-WG1-03					
163	MB-VCB15-01	White Vinyl Cove Base (6")	6 th Floor	NA	ND	NA
164	MB-VCB15-02					
165	MB-VCB15-03					
166	MB-SO-01	Spray-On Fire Proofing	4th and 5th Floors	F	5% Chrysotile	580 SF
167	MB-SO-02					
168	MB-SO-03					
169	MB-WM1-01	Wall Mastic	4 th Floor Corridor and Closet	NA	ND	NA
170	MB-WM1-02					
171	MB-WM1-03					
172	MB-SU2-01	White Sink Undercoating	Ground Floor	NA	ND	NA
173	MB-SU2-02					
174	MB-SU2-03					
175	MB-WC-01	White Window Caulk	Exterior Windows	NF	5% Chrysotile	158 Windows
176	MB-WC-02					
177	MB-WC-03					
178	MB-DC-01	Black Door Caulk	Exterior Doors	NF	2% Chrysotile	10 Doors
179	MB-DC-02					
180	MB-DC-03					
181	MB-DC2-01	White Door Caulk	West-Side Stairs Door and Southwest Door	NA	ND	NA
182	MB-DC2-02					
183	MB-DC2-03					
184	MB-CLK-01	White Crowning Caulk	Stairway Exterior Awnings	NA	ND	NA
185	MB-CLK-02					
186	MB-CLK-03					
187	MB-CLK2-01	White Flashing Caulk	East Side (Above Sidewalk)	NF	6% Chrysotile	90 LF
188	MB-CLK2-02					
189	MB-CLK2-03					

**TABLE 1 — SUMMARY OF ANALYSIS FOR SUSPECT ACM (Continued)
 BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non-Friable (NF)	Analytical Result (% ACM) ¹	Quantity ²
190	MB-EJ-01	White Expansion Joint	Between B25 Building and Main Building (Northwest Corner)	NF	6% Chrysotile	90 LF
191	MB-EJ-02					
192	MB-EJ-03					

Notes:

The figure key corresponds to the sample key table on the figures.

Bolded result indicates where asbestos was detected at concentration greater than 1% and; therefore, is consider an ACM.

Color description of a material may vary between field observation and laboratory description.

* Samples 20-26 are samples of drywall with a positive layer of texture located in Building 25.

¹ AHERA defines ACM as any material or product that contains more than 1% asbestos.

² Quantities for non-ACM materials are not required.

³ EPA defines ACM as greater than 1% asbestos in a material. These materials contain less than 1% asbestos; therefore, the materials are not regulated for disposal purposes. However, the materials contain asbestos; if the materials are disturbed, OSHA regulations must be followed, and personal protective equipment must be used.

~	Approximately	HVAC	Heating, ventilation, and air conditioning
"	Inches	ID	Identification
'	Feet	LF	Linear feet
%	Percent	NA	Not applicable
ACM	Asbestos-containing material	ND	Not detected
AHERA	Asbestos Hazard and Emergency Response Act of 1986	OSHA	Occupational Safety and Health Administration
EPA	U.S. Environmental Protection Agency	SF	Square feet

7.0 LBP FINDINGS

[Table 2](#) summarizes the screening results for suspected LBP by use of the XRF spectrometer. Bold data in [Table 2](#) indicate where LBP was detected at a concentration greater than or equal to 1.0 mg/cm². Some LBP quantities in [Table 2](#) are combined to avoid duplicate quantities of commingled materials.

**TABLE 2 — SUMMARY OF LBP SCREENING RESULTS
 BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

GARAGE

XRF Screening No. ¹	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm ²)	Damaged ²	Quantity ³
1	White	Garage	Door Frame	Wood	0.01	NA	NA
2	White	Garage	Wall C	Brick	0.01	NA	NA
3	Brown	Power Plant Exterior	Garage Door Frame	Metal	2.55	NA	35 SF
4	White	Power Plant Exterior	Garage Door	Metal	0.10	NA	NA
5	Brown	Power Plant Exterior	Garage Door	Metal	0.55	NA	NA
6	Black	Garage Exterior	Garage Door	Wood	0.03	NA	NA
7	Black	Garage Exterior	Garage Door Frame	Wood	0.03	NA	NA
8	Brown	Garage Exterior	Window Frame	Wood	2.7	Yes	15 SF
9	Brown	Library Exterior	Garage Door	Metal	0.06	NA	NA
10	Brown	Library Exterior	Garage Door Frame	Metal	0.16	NA	NA

LIBRARY

XRF Screening No. ¹	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm ²)	Damaged ²	Quantity ³
Calibration Blank					1.22/1.33/1.04	NA	NA
Calibration Standard					0.02/0.01/0.02	NA	NA
1	Green	Main Room (Behind Wood Paneling)	Wall A	Plaster	5.14	Yes	4,000 SF on Both Floors
2	Tan	Understairs	Wall D	Plaster	9.85	Yes	65 SF
3	Tan	Understairs	Wall B	Wood	9.62	Yes	25 SF
4	Black	Main Room	Door	Wood	0.02	NA	NA
5	Black	Main Room	Door Frame	Metal	0.05	NA	NA
6	Beige	Northwest Room	Ceiling	Plaster	8.50	Yes	1,200 SF
7	Black	Stairs	Baseboard	Wood	14.41	Yes	50 SF
8	Black	Stairs	Railing	Wood	0.15	NA	NA
9	Brown	Library Exterior	Stair Supports	Metal	0.09	NA	NA
10	Brown	Library Exterior	West Wall	Concrete	0.07	NA	NA
11	Brown	Library Exterior	Garage Door	Metal	0.06	NA	NA

**TABLE 2 — SUMMARY OF LBP SCREENING RESULTS (Continued)
 BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

XRF Screening No. ¹	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm ²)	Damaged ²	Quantity ³
12	Brown	Library Exterior	Garage Door Frame	Metal	0.16	NA	NA
13	Black	Library Exterior	Railing	Metal	0.03	NA	NA
14	Black	Library Exterior	Door	Metal	0.02	NA	NA
15	Black	Library Exterior	Door Frame	Metal	0.09	NA	NA
16	Black	Library Exterior	Trim	Wood	0.01	NA	NA
17	Tan	Library Exterior	Soffit/Guttering	Metal	4.57	Yes	300 SF
18	Black	Library Exterior	Window	Wood	4.32	Yes	15 Windows
19	Black	Library Exterior	Window Frame	Wood	3.93	Yes	17 Windows

POWER PLANT AND TUNNELS

XRF Screening No. ¹	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm ²)	Damaged ¹	Quantity ³
1	Silver	Power Plant Smokestack	Door	Metal	0.06	NA	NA
2	Gray	Power Plant Exterior	West Wall	Concrete	0.04	NA	NA
3	Brown	Power Plant Exterior	Garage Door Frame	Metal	2.55	NA	35 SF
4	White	Power Plant Exterior	Garage Door	Metal	0.10	NA	NA
5	Brown	Power Plant Exterior	Garage Door	Metal	0.55	NA	NA
22	Silver	Power Plant	Wall	Concrete	0.09	NA	NA
23	Silver	Power Plant	Column	Concrete	0.07	NA	NA
24	Gray	Power Plant	Door	Metal	0.09	NA	NA
25	Gray	Power Plant	Door Frame	Metal	2.37	NA	7 Doors
26	Silver	Power Plant	Boiler Piping	Metal	0.41	NA	NA
27	Silver	Power Plant	Boiler Brick	Brick	3.85	Yes	2 Boilers, 280 SF Each
28	Gray	Power Plant	Boiler Frame	Metal	4.43	Yes	2 Boilers, 1,200 SF Each
29	Silver	Power Plant	Wall	Cinderblock	0.02	NA	NA
30	White	Power Plant	Window	Metal	0.08	NA	NA
31	Red	Power Plant	Column	Concrete	0.29	NA	NA
32	Gray	Power Plant	Stairs & Rails	Metal	3.33	Yes	75 SF
33	Red	Power Plant	Stairs	Concrete	0.13	NA	NA
34	White	Power Plant	Ceiling	Concrete	0.02	NA	NA
35	White	Power Plant	Tank	Metal	0.06	NA	NA

**TABLE 2 — SUMMARY OF LBP SCREENING RESULTS (Continued)
 BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

XRF Screening No. ¹	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm ²)	Damaged ¹	Quantity ³
36	Green	Power Plant	Piping Frame	Metal	0.07	NA	NA
37	Gray	Power Plant / Library (“Shelf” Room off the Tunnel)	Door	Wood	1.20	Yes	1 Door
38	White	Power Plant	Small Door	Metal	1.99	Yes	1 Door
39	White	Power Plant	Small Door Frame	Metal	4.72	Yes	10 SF
Calibration Standard					1.17/1.23/1.07	NA	NA
Calibration Blank					0.02/0.02/0.01	NA	NA

CHAPEL

XRF Screening No. ¹	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm ²)	Damaged ²	Quantity ³
1	Gold	Altar Area	Molding	Wood	0.19	NA	NA
2	White	Altar Area	Molding	Wood	0.10	NA	NA
3	Off-White	Altar Area	Wall	Plaster	0.14	NA	NA
4	White	Altar Bathroom	Window	Wood	0.06	NA	NA
5	White	Altar Bathroom	Window Frame	Wood	0.26	NA	NA
6	White	Main Hall	Ceiling	Plaster	0.03	NA	NA
7	White	Main Hall	Window Frame	Plaster	0.05	NA	NA
8	Gold	Right Small Altar Area	Molding	Plaster	0.13	NA	NA
9	White	Altar Area	Archway	Plaster	0.09	NA	NA
10	Dark Beige	Main Hall	Wall C	Plaster	0.05	NA	NA
11	Off-White	Basement	Wall C	Plaster	0.21	NA	NA
12	Off-White	Basement	Ceiling	Plaster	0.10	NA	NA
13	Off-White	Basement	Door Frame	Metal	0.15	NA	NA
14	Red	Basement	Fire Cupboard	Metal	0.13	NA	NA
15	Off-White	Basement	Wall B	Drywall	0.01	NA	NA
16	Off-White	Basement	Duct	Metal	0.09	NA	NA
17	Green	Stairwell to Basement	Wall B	Plaster	0.07	NA	NA
18	Black	Stairwell to Basement	Door Frame	Metal	0.10	NA	NA
19	Teal	Stairwell to Basement	Newell Post	Metal	0.08	NA	NA
20	Teal	Stairwell to Basement	Railing	Metal	0.02	NA	NA
21	Teal	Stairwell to Basement	Stairs	Metal	0.07	NA	NA

**TABLE 2 — SUMMARY OF LBP SCREENING RESULTS (Continued)
 BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

XRF Screening No. ¹	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm ²)	Damaged ²	Quantity ³
22	Off-White	Mezzanine Floor	Molding	Plaster	0.11	NA	NA
23	Yellow	Mezzanine Floor	Wall B	Plaster	0.27	NA	NA
24	Off-White	3 rd Floor	Wall B	Plaster	0.04	NA	NA
25	Teal	3 rd Floor - Near Stair Room	Wall A	Drywall	0.02	NA	NA
26	Yellow	3rd Floor	Elevator Door	Metal	1.32	Yes	4 Total (1 per floor)
27	Black	3 rd Floor	Door Frame	Metal	0.12	NA	NA
28	Black	3 rd Floor - Main Hallway	Archway	Metal	0.14	NA	NA
29	Blue	3 rd Floor - Large Bathroom	Wall D	Plaster	0.09	NA	NA
30	Off-White	3 rd Floor - Large Bathroom	Window	Wood	0.14	NA	NA
31	Off-White	3 rd Floor - Large Bathroom	Window Frame	Wood	0.15	NA	NA
32	Pink	3 rd Floor - Large Bathroom	Wall A	Plaster	0.13	NA	NA
33	Cream	3 rd Floor - Big Room	Wall D	Plaster	0.15	NA	NA
34	White	3 rd Floor - Big Room	Ceiling	Plaster	0.07	NA	NA
35	Cream	3 rd Floor - Big Room	Window	Wood	0.10	NA	NA
36	Cream	3 rd Floor - Big Room	Window Frame	Wood	0.13	NA	NA
37	Blue	4 th Floor - Main Hallway	Wall C	Plaster	0.16	NA	NA
38	Off-White	4 th Floor - Main Hallway	Ceiling	Plaster	0.17	NA	NA
39	Off-White	4 th Floor - Main Hallway	Wall C	Plaster	0.11	NA	NA
40	Pink	4 th Floor - Room 15	Wall A	Plaster	0.05	NA	NA
41	Green	4 th Floor - Room 15	Wall A	Plaster	0.11	NA	NA
42	White	South Roof Penthouse	Window Frame	Metal	1.97	Yes	2 Windows
43	Grey/Blue	Roof Vent Cover	Vent Cover	Metal	1.62	No	15 SF
44	Red	Roof	Door	Metal	1.07	Yes	1 Door
45	Red	Roof	Door Frame	Metal	1.58	Yes	15 SF
46	Tan	Chapel Exterior	Window Frame	Wood	2.30	NA	112 Windows
47	Tan	Chapel Exterior	Window Frame	Metal	3.82	NA	16 Windows
Calibration Standard					1.20/1.35/1.18	NA	NA
Calibration Blank					0.01/0.02/0.04	NA	NA

**TABLE 2 — SUMMARY OF LBP SCREENING RESULTS (Continued)
 BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

BUILDING 25

XRF Screening No. ¹	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm ²)	Damaged ²	Quantity ³
Calibration Blank					1.09/1.08/1.18	NA	NA
Calibration Standard					0.01/0.02/0.02	NA	NA
1	Off-White	4 th Floor - South Wing Bathroom	Wall C	Plaster	0.06	NA	NA
2	Black	4 th Floor - South Wing bathroom	Door Frame	Metal	0.07	NA	NA
3	Black	4 th Floor - South Stairs	Stair Banister	Metal	0.10	NA	NA
4	Green	4 th Floor - South Stairs	Wall A	Plaster	0.18	NA	NA
5	Green	4 th Floor - South Stairs	Radiator	Metal	0.11	NA	NA
6	Green	4 th Floor - South Stairs	Ceiling	Metal	0.24	NA	NA
7	Cream	4 th Floor - South Stairs	Door	Metal	0.11	NA	NA
8	Green	4 th Floor - South Wing	Column	Plaster	0.10	NA	NA
9	Green	4 th Floor - South Wing	Ceiling	Plaster	0.13	NA	NA
10	Beige	4 th Floor - South Wing	Ceiling	Plaster	0.37	NA	NA
11	Off-White	4 th Floor - South Wing	Drywall	Plaster	0.07	NA	NA
12	Green	4 th Floor - South Wing	Wall B	Plaster	0.27	NA	NA
13	Maroon	4 th Floor - Central Stairs	Door	Wood	0.10	NA	NA
14	Maroon	4 th Floor - Central Stairs	Door	Wood	0.10	NA	NA
15	Green	4th Floor - Central Stairs	Window	Wood	7.64	Yes	3 Windows (Whole Floor)
16	Green	4 th Floor - Central Stairs	Window Frame	Wood	0.21	NA	NA
17	Green	4 th Floor - Central Stairs	Railing	Metal	0.13	NA	NA
18	Green	4 th Floor - Central Stairs	Pipe	Metal	0.12	NA	NA
19	Green	4 th Floor - Central Stairs	Side Door	Wood	0.07	NA	NA
20	Beige	4th Floor - Outside Central Stairwell	Wall C	Plaster	2.37	Yes	735 SF
21	Green	3 rd Floor - Room 374	Wall C	Plaster	0.03	NA	NA
22	Green	3 rd Floor - Room 374	Wall A	Drywall	0.02	NA	NA
23	Beige	3rd Floor - Room South Hallway	Ceiling	Plaster	2.24	Yes	5,555 SF
24	White	3rd Floor - Throughout	Window	Wood	7.32	Yes	67 Windows (Whole Floor)
25	White	3 rd Floor - Throughout	Window Frame	Wood	0.11	NA	NA
26	Off White	3rd Floor - Room 362	Wall C	Plaster	2.73	Yes	370 SF
27	Off-White	3rd Floor - Room 362	Ceiling	Plaster	3.27	Yes	135 SF

**TABLE 2 — SUMMARY OF LBP SCREENING RESULTS (Continued)
BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

XRF Screening No. ¹	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm ²)	Damaged ²	Quantity ³
28	Off-White	3 rd Floor - Room 362	Door Frame	Metal	2.14	Yes	33 Doors, 20 SF Each
29	Green	3 rd Floor - Hallway	Door Frame	Metal	1.67	Yes	33 Doors, 20 SF Each
30	Green	3 rd Floor - North Bathroom	Stalls	Wood	0.12	NA	NA
31	Green	3 rd Floor - North Bathroom	Radiator Cover	Metal	0.03	NA	NA
Calibration Standard					1.24/1.18/1.08	NA	NA
Calibration Blank					0.03/0.03/0.01	NA	NA
Calibration Standard					1.21/1.21/1.23	NA	NA
Calibration Blank					0.05/0.02/0.02	NA	NA
32	White	2 nd Floor - South End Hall	Wall C	Plaster	0.30	NA	NA
33	Off-White	2 nd Floor - South End Hall	Column Wall A	Drywall	0.13	NA	NA
34	Green	2 nd Floor - South End Hall	Wall D	Plaster	0.10	NA	NA
35	Blue	2 nd Floor - South End Hall	Wall D	Plaster	3.80	Yes	420 SF
36	Blue	2 nd Floor - South End Hall	Radiator	Metal	0.10	NA	NA
37	Green	2 nd Floor - South End Hall	Window	Wood	7.20	Yes	56 Windows
38	Green	2 nd Floor - South End Hall	Window Frame	Wood	0.13	NA	NA
39	White	2 nd Floor - South End Hall	Window	Wood	8.85	Yes	56 Windows
40	White	2 nd Floor - South End Hall	Window Frame	Wood	0.09	NA	NA
41	Blue	2 nd Floor - South End Hall	Ceiling	Plaster	1.98	Yes	895 SF
42	Off-White	2 nd Floor - South End Hall	Ceiling	Plaster	0.00	NA	NA
43	White	2 nd Floor - B Facing	Door Frame	Metal	0.22	NA	NA
44	Yellow	2 nd Floor - Large bathroom	Wall C	Plaster	4.72	Yes	2 Large Bathrooms - 1110 SF Total
45	Blue	2 nd Floor - Room 260	Door Frame	Metal	0.18	NA	NA
46	Yellow	2 nd Floor - North Wing Small Bathroom	Wall D	Plaster	5.69	Yes	5 Small Bathrooms - 1325 SF Each
47	Yellow	2 nd Floor - North Wing Small Bathroom	Ceiling	Plaster	2.01	Yes	5 Small Bathrooms - 120 SF Each
48	White	2 nd Floor - North Wing Small Bathroom	Stall	Metal	0.49	NA	NA

**TABLE 2 — SUMMARY OF LBP SCREENING RESULTS (Continued)
BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

XRF Screening No.¹	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm²)	Damaged²	Quantity³
49	White	2nd Floor - North Wing Small Bathroom	Small Window	Wood	4.40	Yes	7 Windows
50	White	2 nd Floor - North Wing Small Bathroom	Small Window Frame	Wood	0.11	NA	NA
51	Blue	2nd Floor - North Wing CRI Room	Wall C	Plaster	2.05	NA	890 SF
52	Blue	2nd Floor - North Wing CRI Room	Window	Wood	9.82	Yes	56 Windows
53	Blue	2 nd Floor - North Wing CRI Room	Window Frame	Wood	0.13	NA	NA
54	Yellow	2nd Floor - Large Bathroom	Ceiling	Plaster	3.42	Yes	2 Large Bathrooms, 255 SF Each
55	Green	1st Floor - South End Room	Wall C	Plaster	3.14	Yes	580 SF (Whole Room)
56	Beige	1 st Floor - South End Room 2	Wall A	Plaster	0.09	NA	NA
57	Beige	1 st Floor - South End Room 2	Door Frame	Metal	0.49	NA	NA
58	Yellow	1 st Floor - South End Room 2	Door Frame	Metal	0.36	NA	NA
59	Beige	1 st Floor - South End	Wall D	Drywall	0.03	NA	NA
60	Blue	1st Floor - Room 172	Wall D	Plaster	0.00	NA	NA
61	Beige	1 st Floor - Opposite Room 172	Column	Plaster	0.03	NA	NA
62	Pink	1st Floor - South Hall Open Area (Behind Orange Wallpaper)	Wall D	Plaster	3.28	Yes	800 SF
63	Blue	1 st Floor - South Hall Room (Opposite Room 162)	Wall D	Plaster	0.37	NA	NA
64	Yellow	1 st Floor - South Hall Room (Opposite Room 162)	Chute Frame	Metal	0.49	NA	NA
65	Yellow	1 st Floor - South Hall Room (Opposite Room 162)	Chute	Metal	0.05	NA	NA
66	Pink	1st Floor - Room 8	Lockers	Metal	1.97	No	2 Sets
67	Beige	1 st Floor - Throughout	Ceiling	Plaster	0.01	NA	NA
68	Green	1st Floor - South End Room	Ceiling	Plaster	2.84	Yes	135 SF
69	Orange	1st Floor - North Common Area	Wall A	Wallpaper	3.46	Yes	550 SF
70	Beige	Connecting Chapel Hall	Wall A	Plaster	0.05	NA	NA
71	Beige	Connecting Chapel Hall	Ceiling	Plaster	0.05	NA	NA
72	Beige	Connecting Chapel Hall	Radiator Cover	Metal	0.09	NA	NA
73	Beige	Connecting Chapel Hall	Door	Wood	0.49	NA	NA

**TABLE 2 — SUMMARY OF LBP SCREENING RESULTS (Continued)
BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

XRF Screening No.¹	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm²)	Damaged²	Quantity³
74	Beige	Connecting Chapel Hall	Door Frame	Metal	0.22	NA	NA
75	Beige	Connecting Chapel Hall	Window	Wood	0.41	NA	NA
76	Green	Connecting Chapel Hall	Wall D	Plaster	0.12	NA	NA
77	Brown	Connecting Chapel Hall	Door Frame	Metal	0.08	NA	NA
78	Gold	Altar Area	Molding	Wood	0.19	NA	NA
79	White	Altar Area	Molding	Wood	0.10	NA	NA
80	Off-White	Altar Area	Wall	Plaster	0.14	NA	NA
81	White	Altar Bathroom	Window	Wood	0.06	NA	NA
82	White	Altar Bathroom	Window Frame	Wood	0.26	NA	NA
83	White	Main Hall	Ceiling	Plaster	0.03	NA	NA
84	White	Main Hall	Window Frame	Plaster	0.05	NA	NA
85	Gold	Right Small Altar Area	Molding	Plaster	0.13	NA	NA
86	White	Altar Area	Archway	Plaster	0.09	NA	NA
87	Dark Beige	Main Hall	Wall C	Plaster	0.05	NA	NA
88	Off-White	Basement	Wall C	Plaster	0.21	NA	NA
89	Off-White	Basement	Ceiling	Plaster	0.10	NA	NA
90	Off-White	Basement	Door Frame	Metal	0.15	NA	NA
91	Red	Basement	Fire Cupboard	Metal	0.13	NA	NA
92	Off-White	Basement	Wall B	Drywall	0.01	NA	NA
93	Off-White	Basement	Duct	Metal	0.09	NA	NA
94	Green	Stairwell to Basement	Wall B	Plaster	0.07	NA	NA
95	Black	Stairwell to Basement	Door Frame	Metal	0.10	NA	NA
96	Teal	Stairwell to Basement	Newell Post	Metal	0.08	NA	NA
97	Teal	Stairwell to Basement	Railing	Metal	0.02	NA	NA
98	Teal	Stairwell to Basement	Stairs	Metal	0.07	NA	NA
99	Off-White	Mezzanine Floor	Molding	Plaster	0.11	NA	NA
100	Yellow	Mezzanine Floor	Wall B	Plaster	0.27	NA	NA
101	Off-White	3 rd Floor	Wall B	Plaster	0.04	NA	NA
102	Teal	3 rd Floor - Near Stair Room	Wall A	Drywall	0.02	NA	NA
103	Yellow	3rd Floor	Elevator Door	Metal	1.32	Yes	4 Doors (1 per Floor)
104	Black	3 rd Floor	Door Frame	Metal	0.12	NA	NA

TABLE 2 — SUMMARY OF LBP SCREENING RESULTS (Continued)
BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA

XRF Screening No.¹	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm²)	Damaged²	Quantity³
105	Black	3 rd Floor - Main Hallway	Archway	Metal	0.14	NA	NA
106	Blue	3 rd Floor - Large Bathroom	Wall D	Plaster	0.09	NA	NA
107	Off-White	3 rd Floor - Large Bathroom	Window	Wood	0.14	NA	NA
108	Off-White	3 rd Floor - Large Bathroom	Window Frame	Wood	0.15	NA	NA
109	Pink	3 rd Floor - Large Bathroom	Wall A	Plaster	0.13	NA	NA
110	Cream	3 rd Floor - Big Room	Wall D	Plaster	0.15	NA	NA
111	White	3 rd Floor - Big Room	Ceiling	Plaster	0.07	NA	NA
112	Cream	3 rd Floor - Big Room	Window	Wood	0.10	NA	NA
113	Cream	3 rd Floor - Big Room	Window Frame	Wood	0.13	NA	NA
114	Blue	4 th Floor - Main Hallway	Wall C	Plaster	0.16	NA	NA
115	Off-White	4 th Floor - Main Hallway	Ceiling	Plaster	0.17	NA	NA
116	Off-White	4 th Floor - Main Hallway	Wall C	Plaster	0.11	NA	NA
117	Pink	4 th Floor - Room 15	Wall A	Plaster	0.05	NA	NA
118	Green	4 th Floor - Room 15	Wall A	Plaster	0.11	NA	NA
119	White	South Roof Penthouse	Window Frame	Metal	1.97	Yes	2 Windows
120	Grey/Blue	Roof Vent Cover	Vent Cover	Metal	1.62	No	15 SF
121	Red	Roof	Door	Metal	1.07	Yes	1 Door
123	Red	Roof	Door Frame	Metal	1.58	Yes	15 SF
Calibration Standard					1.20/1.35/1.18	NA	NA
Calibration Blank					0.01/0.02/0.04	NA	NA
Calibration Standard					1.17/1.15/1.16	NA	NA
Calibration Blank					0.21/0.02/0.01	NA	NA
124	Off-White	Ground Floor - South End Hall	Door	Metal	0.07	NA	NA
125	Off-White	Ground Floor - South End Hall	Door Frame	Metal	0.03	NA	NA
126	Off-White	Ground Floor - South End Hall	Window	Wood	0.76	NA	NA
127	Off-White	Ground Floor - South End Hall	Window Frame	Wood	0.09	NA	NA
128	Off-White	Ground Floor - South End Hall	Wall C	Drywall	0.02	NA	NA
129	Off-White	Ground Floor - South End Hall	Wall A	Plaster	0.07	NA	NA
130	Blue Stripe	Ground Floor - South End Hall	Wall D	Plaster	0.09	NA	NA
131	Green	Ground Floor - South End Hall	Wall D	Plaster	0.08	NA	NA
132	Off-White	Ground Floor - South End Hall	Baseboard	Wood	0.03	NA	NA
133	Off-White	Ground Floor - South End Hall	Ceiling	Plaster	0.05	NA	NA

**TABLE 2 — SUMMARY OF LBP SCREENING RESULTS (Continued)
BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

XRF Screening No. ¹	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm ²)	Damaged ²	Quantity ³
134	Off-White	Ground Floor - South End Hall	Pipe	Metal	0.02	NA	NA
135	Off-White	Ground Floor - South End Hall	Bathroom Stall	Wood	0.16	NA	NA
136	Black	Ground Floor - North Hall	Handrail	Metal	0.02	NA	NA
137	Off-White	Ground Floor - North Hall	Wall A	Stone	0.03	NA	NA
138	Gray	Ground Floor - North Hall	Floor	Concrete	0.04	NA	NA
139	Off-White	Ground Floor - North Hall	Wall A	Brick	0.08	NA	NA
140	Black	Main Building Exterior North Wall	Lower Brick Wall	Brick	0.02	NA	NA
141	Brown	Main Building Exterior	Door	Metal	0.04	NA	NA
142	Brown	Main Building Exterior	Door Frame	Metal	0.03	NA	NA
143	Black	Main Building Exterior	Window	Wood	2.78	Yes	158 Windows
144	Yellow	Main Building West Exterior	Wall	Concrete	1.33	Yes	230 SF
145	Black	Main Building West Exterior	Railing	Metal	0.01	NA	NA
146	Black	Building 25 Exterior	Windows	Wood	0.07	NA	NA
147	Black	Building 25 Exterior	Window Frame	Wood	4.02	Yes	177 Windows
148	Black	Building 25 Exterior	Door Frame	Wood	3.22	Yes	3 Doors, 20 SF Each
149	Tan	Building 25 Exterior	Door	Wood	0.53	NA	NA
150	Tan	Building 25 Exterior	Door Frame	Wood	4.56	Yes	1 Door
		Calibration Stand			1.02/1.05/1.05	NA	NA
		Calibration Blank			0.01/0.03/0.01	NA	NA

MAIN BUILDING

XRF Screening No. ¹	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm ²)	Damaged ²	Quantity ³
		Calibration Blank			1.19/1.25/1.03	NA	NA
		Calibration Standard			0.01/0.01/0.01	NA	NA
1	White	7 th Floor - Boiler Penthouse	Wall A	Plaster	0.01	NA	NA
2	White	7 th Floor - Boiler Penthouse	Wall D	Plaster	0.07	NA	NA
3	White	7 th Floor - Boiler Penthouse	Column	Plaster	0.07	NA	NA
4	Yellow	7 th Floor - Boiler Penthouse	Floor	Concrete	0.02	NA	NA
5	White	7 th Floor - Boiler Penthouse	Door/Window Frame	Wood	0.06	NA	NA

**TABLE 2 — SUMMARY OF LBP SCREENING RESULTS (Continued)
BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

XRF Screening No. ¹	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm ²)	Damaged ²	Quantity ³
6	White	7 th Floor - Boiler Penthouse	Door	Metal	0.13	NA	NA
7	Maroon	7 th Floor - Boiler Penthouse	Door Frame	Metal	0.05	NA	NA
8	Red	7 th Floor - Boiler Penthouse	Door	Metal	0.22	NA	NA
9	Gray	7 th Floor - Elevator Equipment	Floor	Concrete	0.04	NA	NA
10	Teal	7th Floor - Elevator Equipment	Elevator Motor	Metal	1.37	NA	3 Motors
11	Brown	7 th Floor - Elevator Equipment	Interior Window	Metal	0.04	NA	NA
12	Red	Boiler Penthouse	Boiler Equipment	Metal	0.02	NA	NA
13	Red	7 th Floor - Roof	Post	Metal	0.13	NA	NA
14	Black	North Elevator Equipment House	Pipe	Metal	0.03	NA	NA
15	Red	North Elevator Equipment House	Extinguisher Box	Metal	0.06	NA	NA
16	Red	North Elevator Equipment House	Stairs	Metal	8.7	NA	75 SF
17	Red	North Elevator Equipment House	Cage	Metal	0.02	NA	NA
18	Red	North Elevator Equipment House	Railing	Metal	1.35	NA	50 SF
19	Gray	North Elevator Equipment House	Elevator Motors	Metal	0.05	NA	NA
20	Red	North Elevator Equipment House	Beam	Metal	3.53	NA	150 SF
21	Tan	Northwest Roof	Window	Wood	0.49	NA	NA
22	Red	Northwest Roof	Roof Ladder	Metal	0.04	NA	NA
23	Silver	Northwest Roof	Roof Ladder	Metal	0.06	NA	NA
24	White	7 th Floor - Bathroom	Wall D	Drywall	0.01	NA	NA
25	Beige	6 th Floor - C Wing Entry	Wall D	Drywall	0.01	NA	NA
26	Beige	6 th Floor - C Wing Entry	Wall D	Plaster	0.05	NA	NA
27	Tan	6 th Floor - C Wing Entry	Window Frame	Metal	0.01	NA	NA
28	Off-White	6 th Floor - C Wing Entry	Door	Metal	0.02	NA	NA
29	Off-White	6 th Floor - C Wing Hall	Electrical Panel Cover	Metal	0.07	NA	NA
30	Red	6 th Floor - C Wing Entry	Extinguisher Panel	Metal	0.02	NA	NA
31	Off-White	6 th Floor - D Wing Hall	Wall D	Plaster	0.09	NA	NA
32	Beige	6 th Floor - Center Hall Room 6955	Wall D	CMV	0.07	NA	NA
33	Beige	6 th Floor - Center Hall	Door Frame	Wood	0.07	NA	NA
34	Gray	6 th Floor - Center Hall	Door	Wood	0.06	NA	NA
35	Blue	5 th Floor - A Wing Room 5814	Wall C	Plaster	0.05	NA	NA
36	Pink	5 th Floor - A Wing Bathroom	Wall D	Plaster	0.06	NA	NA
37	Pink	5 th Floor - A Wing Bathroom	Wall	Drywall	0.05	NA	NA

**TABLE 2 — SUMMARY OF LBP SCREENING RESULTS (Continued)
 BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

XRF Screening No. ¹	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm ²)	Damaged ²	Quantity ³
38	Pink	5th Floor - A Wing Bathroom	Ceiling	Drywall	0.02	NA	NA
39	Green	5th Floor - A Wing Room 5287	Ceiling	Drywall	0.02	NA	NA
40	Beige	5th Floor - A Wing Room 5287	Wall D	Plaster	0.06	NA	NA
41	Green	5th Floor - A Wing Closet	Wall C	Drywall	0.01	NA	NA
42	White	5th Floor - A Wing Locker Room Hall	Wall D	Paster	0.06	NA	NA
43	Off-White	5th Floor - A Wing Medical Room 5831	Cabinet	Wood	0.05	NA	NA
44	Off-White	5th Floor - A Wing Medical Room 5831	Cabinet	Metal	0.25	NA	NA
45	Beige	5th Floor - B Wing Room 5851	Wall	Plaster	0.04	NA	NA
46	Green	5th Floor - C Wing Room 5908	Wall	Plaster	0.04	NA	NA
47	Off-White	5th Floor - Center Hall	Ceiling	Plaster	0.04	NA	NA
48	Calibration Standard				1.19/1.08/1.07	NA	NA
49	Calibration Blank				0.01/0.01/0.01	NA	NA
50	Gray	4th Floor - Central Hall	Wall B	Drywall	0.01	NA	NA
51	Blue	4th Floor - Central Hall	Door Frame	Metal	0.07	NA	NA
52	White	4th Floor - Lobby	Ceiling	Drywall	0.01	NA	NA
53	Green	4th Floor - Lobby Closet	Wall D	Plaster	0.01	NA	NA
54	Green	4th Floor - Training Room	Ceiling	Plaster	0.01	NA	NA
55	White	4th Floor - Training Room	Door Frame	Metal	0.01	NA	NA
56	White	4th Floor - Training Room	Door	Wood	0.01	NA	NA
57	Tan	4th Floor - Stairs to 7th Floor	Wall C	Plaster	0.04	NA	NA
58	Tan	4th Floor - Stairs to 7th Floor	Stairs	Metal	0.06	NA	NA
59	Off-White	4th Floor - Art Room 4804-1	Door	Metal	0.06	NA	NA
60	Off-White	4th Floor - Art Room 4804-1	Door Frame	Metal	0.07	NA	NA
61	Off-White	4th Floor - Art Room 4804-1	Sink	Wood	0.16	NA	NA
62	Off-White	4th Floor - B Wing Room 4807	Wall	CMV	0.02	NA	NA
63	Red	4th Floor - B Wing Room 4813-1	Door Frame	Metal	0.06	NA	NA
64	White	4th Floor - Center Hall Room 4902	Ceiling	Plaster	0.07	NA	NA
65	Off-White	4th Floor - Center Hall Room 4902	Radiator Cooler	Metal	0.08	NA	NA
66	Red	4th Floor - Center Hall Stairway 3	Railing	Metal	2.3	NA	150 SF
67	Off-White	4th Floor - Center Hall Stairway 3	Wall C	Plaster	0.04	NA	NA
68	Off-White	4th Floor - Center Hall Stairway 3	Ceiling (Under Stairs)	Plaster	0.06	NA	NA
69	Blue	4th Floor - Center Hall Stairway 3	Door	Metal	0.27	NA	NA

**TABLE 2 — SUMMARY OF LBP SCREENING RESULTS (Continued)
BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

XRF Screening No. ¹	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm ²)	Damaged ²	Quantity ³
70	Off-White	4 th Floor - D Wing Stairway	Railing	Metal	0.05	NA	NA
71	Off-White	4 th Floor - D Wing Stairway	Risers	Metal	0.06	NA	NA
72	Orange	4 th Floor - C Wing Room 4916 Closet	Wall C	Plaster	0.02	NA	NA
73	Off-White	3 rd Floor - Center Kitchen	Cabinet	Wood	0.05	NA	NA
74	Off-White	3 rd Floor - Center Kitchen	Elevator Door	Metal	0.15	NA	NA
75	Off-White	3 rd Floor - Center Kitchen	Elevator Door Frame	Metal	0.15	NA	NA
76	Beige	3 rd Floor - Center Mechanical	Ceiling	Plaster	0.10	NA	NA
77	Gray	3 rd Floor - D Wing Room 3948	Wall A	Plaster	0.06	NA	NA
78	Brown	3 rd Floor - D Wing Room 3948	Wall A	Plaster	0.05	NA	NA
79	Calibration Standard				1.16/1.20/1.02	NA	NA
80	Calibration Blank				0.02/0.01/0.02	NA	NA
81	Calibration Standard				1.17/1.38/1.18	NA	NA
82	Calibration Blank				0.02/0.02/0.01	NA	NA
83	Gray	2 nd Floor - Central Room 2901	Wall B	Plaster	0.05	NA	NA
84	Off-White	2 nd Floor - Central Room 2901	Cabinet	Wood	0.17	NA	NA
85	Off-White	2 nd Floor - Central Room 2901	Electrical Cover	Metal	0.06	NA	NA
86	Off-White	2 nd Floor - Central Room 2901	Door	Wood	0.02	NA	NA
87	Off-White	2 nd Floor - Central Room 2901	Door Frame	Metal	0.04	NA	NA
88	Pink	2 nd Floor - A Wing Bathroom	Cabinet	Metal	0.11	NA	NA
89	Off-White	2 nd Floor - A Wing Bathroom	Wall A	Drywall	0.01	NA	NA
90	Red	2nd Floor - A Wing Stairwell	Railing	Metal	2.98	NA	150 SF
91	Red	2 nd Floor - A Wing Stairwell	Door	Metal	0.28	NA	NA
92	Red	2 nd Floor - A Wing Stairwell	Door Frame	Metal	0.09	NA	NA
93	Red	2 nd Floor - A Wing Stairwell	Radiator Cover	Metal	0.08	NA	NA
94	Off-White	2 nd Floor - A Wing Hall to Building 25	Elevator Door	Metal	0.02	NA	NA
95	Off-White	2 nd Floor - A Wing Hall to Building 25	Elevator Door Frame	Metal	0.01	NA	NA
96	Off-White	2 nd Floor - A Wing Hall to Building 25	Column	Concrete	0.10	NA	NA
97	Beige	2 nd Floor - Center Room 2835	Wall A	Plaster	0.05	NA	NA
98	Off-White	2 nd Floor - B Wing Room 2839	Window Frame	Metal	0.05	NA	NA
99	Off-White	2 nd Floor - B Wing Room 2847	Wall	CMU	0.09	NA	NA
100	Green	2 nd Floor - B Wing Room 2855	Wall A	Plaster	0.08	NA	NA
101	Green	2 nd Floor - B Wing Room 2855	Ceiling	Plaster	0.09	NA	NA

**TABLE 2 — SUMMARY OF LBP SCREENING RESULTS (Continued)
BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

XRF Screening No. ¹	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm ²)	Damaged ²	Quantity ³
102	Beige	2 nd Floor - B Wing Room 2863	Wall D	Plaster	0.01	NA	NA
103	Beige	2 nd Floor - B Wing Room 2863	Wall A	Drywall	0.02	NA	NA
104	Beige	2 nd Floor - B Wing Room 2863	Wall A	Wood	0.01	NA	NA
105	Red	2 nd Floor - B Wing Room 2863	Extinguisher Cover	Metal	0.15	NA	NA
106	Red	2 nd Floor - B Wing Center Mechanical	Pole	Metal	0.04	NA	NA
107	Sage	2 nd Floor - B Wing Center Mechanical	Wall B	Plaster	0.08	NA	NA
108	White	2 nd Floor - B Wing Center Mechanical	Door Frame	Metal	0.08	NA	NA
109	Sage	2 nd Floor - B Wing Center Mechanical	Column	Concrete	0.21	NA	NA
110	White	2 nd Floor - B Wing Center Room 2954	Ceiling	Plaster	0.05	NA	NA
111	Green	2 nd Floor - B Wing Center Room 2954	Ceiling	Plaster	0.03	NA	NA
112	Brown	1 st Floor - A Wing Room 1808	Door	Metal	0.03	NA	NA
113	Brown	1 st Floor - A Wing Room 1808	Door Frame	Metal	0.07	NA	NA
114	Brown	1 st Floor - A Wing Room 1819	Wall C	Drywall	0.01	NA	NA
115	Gray	1 st Floor - A Wing Room 1808	Wall D	Plaster	0.09	NA	NA
116	White	1 st Floor - A Wing Hall to Building 25	Window	Wood	0.03	NA	NA
117	White	1 st Floor - A Wing Hall to Building 25 (Janitorial)	Wall D	Plaster	0.06	NA	NA
118	White	1 st Floor - A Wing Hall to Building 25 (Janitorial)	Radiator Cover	Metal	0.03	NA	NA
119	White	1 st Floor - A Wing Hall to Building 25 (Janitorial)	Ceiling	Drywall	0.02	NA	NA
120	Green	1 st Floor - A Wing Hall to Building 25 (Janitorial)	Wall D	Plaster	0.04	NA	NA
121	White	1 st Floor - B Wing Room 1856	Window	Wood	0.06	NA	NA
122	Dark Sage	1 st Floor - Center Mechanical	Wall D	Plaster	0.08	NA	NA
123	Green	1 st Floor - Center Mechanical	Wall C	Plaster	0.12	NA	NA
124	Green	1 st Floor - Center Mechanical	Door	Metal	0.09	NA	NA
125	Tan	1 st Floor - Center Mechanical (2)	Wall A	Plaster	0.11	NA	NA
126	Light Blue	Ground Floor - Conference Room	Ceiling Trim	Drywall	0.02	NA	NA
127	Cream	Ground Floor - Conference Room	Door Frame	Metal	0.02	NA	NA
128	Off-White	Ground Floor - Storage Behind Front Desk	Wall D	Brick	0.03	NA	NA
129	Off-White	Ground Floor - Storage Behind Front Desk	Ceiling	Plaster	0.03	NA	NA
130	Off-White	Ground Floor - Mechanical/Electrical	Wall A	CMV	0.03	NA	NA

**TABLE 2 — SUMMARY OF LBP SCREENING RESULTS (Continued)
BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

XRF Screening No. ¹	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm ²)	Damaged ²	Quantity ³
131	Off-White	Ground Floor - Storage Behind Front Desk	Pipe	Metal	0.04	NA	NA
132	Yellow	Ground Floor - Storage Behind Front Desk	N.G. Pipe	Metal	0.02	NA	NA
133	Cream	Ground Floor - Storage Behind Front Desk	Wall	Brick	0.01	NA	NA
134	White	Ground Floor - Entry	Wall A	Drywall	0.01	NA	NA
135	Off-White	Ground Floor - C Wing Hall	Cabinet	Wood	0.04	NA	NA
136	Off-White	Ground Floor - C Wing Hall	Column	Concrete	0.03	NA	NA
137	Off-White	Ground Floor - Center Hall	Door Frame	Metal	0.05	NA	NA
138	Purple	Ground Floor - Library	Railing	Metal	0.02	NA	NA
139	Purple	Ground Floor - Library	Handrail	Metal	0.01	NA	NA
140	Light Yellow	Ground Floor - Library	Wall D	Drywall	0.02	NA	NA
141	Off-White	Ground Floor - Cafeteria	Window	Wood	0.02	NA	NA
142	Cream	Ground Floor - A Wing Hall to Building 25 Closet	Window Frame	Wood	0.05	NA	NA
143	Off-White	Ground Floor - Food Storage Room G974	Wall	CMV	0.03	NA	NA
144	Off-White	Ground Floor - Food Storage Room G974	Radiator Cover	Metal	0.08	NA	NA
145	Green	Ground Floor - B Wing Trading Room G862	Wall D	Plaster	0.02	NA	NA
146	Black	Exterior - Wing B Courtyard	Window	Wood	1.49	NA	57 Windows
147	Black	Exterior - Wing B Courtyard	Window Frame	Wood	1.51	NA	57 Windows, 20 LF Each
148	Gray	Exterior - Wing B Courtyard	Railing	Metal	0.03	NA	NA
149	Black	Ground Floor - West Exit	Door	Metal	0.01	NA	NA
150	Black	Ground Floor - West Exit	Door Frame	Metal	0.01	NA	NA
151		Calibration Stand			1.17/1.04/1.06	NA	NA
152		Calibration Blank			0.01/0.02/0.03	NA	NA
153	Off-White	Basement - Lobby	Ceiling	Plaster	0.03	NA	NA
154	Off-White	Basement - Lobby	Wall A	Plaster	0.05	NA	NA
155	Light Blue	Basement - Lobby	Wall A	Plaster	0.03	NA	NA
156	Off-White	Basement - Lobby	Elevator Door	Metal	0.02	NA	NA
157	Off-White	Basement - Lobby	Elevator Frame	Metal	0.67	NA	NA
158	Green	Basement - C Wing	Column	Concrete	0.48	NA	NA
159	Green	Basement - C Wing	Wall D	CMU	0.49	NA	NA
160	Green	Basement - C Wing	Ceiling	Concrete	0.48	NA	NA

**TABLE 2 — SUMMARY OF LBP SCREENING RESULTS (Continued)
BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

XRF Screening No.¹	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm²)	Damaged²	Quantity³
161	Green	Basement - C Wing	Pipe	Metal	0.12	NA	NA
162	Yellow	Basement - C Wing	Pipe	Metal	0.12	NA	NA
163	Green	Basement - C Wing	Window	Wood	0.08	NA	NA
164	Green	Basement - C Wing	Window Frame	Wood	0.15	NA	NA
165	Red	Basement - C Wing	Fire Door	Metal	0.27	NA	NA
166	Red	Basement - C Wing	Fire Door Frame	Metal	0.08	NA	NA
167	Green	Basement - C Wing	Wall B	Concrete	0.10	NA	NA
168	Tan	Basement - Air Compressor Room	Wall C	CMU	0.13	NA	NA
169	Gray	Basement - Air Compressor Room	Floor	Concrete	0.05	NA	NA
170	Gray	Basement - D Wing	Window Frame	Wood	0.72	NA	NA
171	Green	Basement - D Wing	Shelving	Wood	0.05	NA	NA
172	Gray	Basement - D Wing	Window	Wood	0.34	NA	NA
173	Green	Basement - B Wing	Window	Wood	0.08	NA	NA
174	Green	Basement - B Wing	Window Frame	Wood	0.05	NA	NA
175	Yellow	Basement - B Wing Generator Room	Pad	Concrete	0.02	NA	NA
176	Gray	Basement - Fire Sprinkler Room	Floor	Tile	0.13	NA	NA
177	Red	Basement - Fire Sprinkler Room	Equipment	Metal	0.04	NA	NA
178	Off-White	Basement - A Wing Room B811	Radiator	Metal	0.11	NA	NA
179	Mint	Basement - Painting/Sanding Room	Cabinets	Metal	0.01	NA	NA
180	Green	Basement - Crawl Space	Window Frame	Wood	0.06	NA	NA
181	Off-White	Ground Floor - South End Hall	Door	Metal	0.07	NA	NA
182	Off-White	Ground Floor - South End Hall	Door Frame	Metal	0.03	NA	NA
183	Off-White	Ground Floor - South End Hall	Window	Wood	0.76	NA	NA
184	Off-White	Ground Floor - South End Hall	Window Frame	Wood	0.09	NA	NA
185	Off-White	Ground Floor - South End Hall	Wall C	Drywall	0.02	NA	NA
186	Off-White	Ground Floor - South End Hall	Wall A	Plaster	0.07	NA	NA
187	Blue Stripe	Ground Floor - South End Hall	Wall D	Plaster	0.09	NA	NA
188	Green	Ground Floor - South End Hall	Wall D	Plaster	0.08	NA	NA
189	Off-White	Ground Floor - South End Hall	Baseboard	Wood	0.03	NA	NA
190	Off-White	Ground Floor - South End Hall	Ceiling	Plaster	0.05	NA	NA
191	Off-White	Ground Floor - South End Hall	Pipe	Metal	0.02	NA	NA
192	Off-White	Ground Floor - South End Hall	Bathroom Stall	Wood	0.16	NA	NA

**TABLE 2 — SUMMARY OF LBP SCREENING RESULTS (Continued)
BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

XRF Screening No. ¹	Paint Color	Location	Component	Substrate	XRF Reading (mg/cm ²)	Damaged ²	Quantity ³
193	Black	Ground Floor - North Hall	Handrail	Metal	0.02	NA	NA
194	Off-White	Ground Floor - North Hall	Wall A	Stone	0.03	NA	NA
195	Gray	Ground Floor - North Hall	Floor	Concrete	0.04	NA	NA
196	Off-White	Ground Floor - North Hall	Wall A	Brick	0.08	NA	NA
197	Black	Main Building Exterior North Wall	Lower Brick Wall	Brick	0.02	NA	NA
198	Brown	Main Building Exterior	Door	Metal	0.04	NA	NA
199	Brown	Main Building Exterior	Door Frame	Metal	0.03	NA	NA
200	Black	Main Building Exterior	Window	Wood	2.78	Yes	158 Windows (Total)
201	Black	Main Building Exterior	Window Frame	Wood	1.84	Yes	
202	Yellow	Main Building West Exterior	Wall	Concrete	1.33	Yes	230 SF (Total)
203	Black	Main Building West Exterior	Railing	Metal	0.01	NA	NA
		Calibration Stand			1.02/1.05/1.05	NA	NA
		Calibration Blank			0.01/0.03/0.01	NA	NA

Notes:

Bolded results indicates presence of LBP at greater than or equal to 1% of the material.

¹ XRF reading numbers are in sequential order; skipped numbers indicate calibration or null readings.

² If no damage is present before renovation, the preliminary removal of chipping and peeling paint is unnecessary prior to encapsulation.

³ Quantities of non-LBP are not required.

CMU Concrete masonry unit
LBP Lead-based paint
LF Linear feet
mg/cm² Milligrams per square centimeter

NA Not applicable
No. Number
SF Square feet
XRF X-ray fluorescence

8.0 PCB FINDINGS

The laboratory report in [Appendix E](#) conveys the analytical results from bulk samples of suspected PCB-containing caulk materials. A total of 17 suspected PCB-containing caulk samples were collected throughout the subject property building. [Table 3](#) below summarizes the results. Figures 1 through 23 in [Appendix A](#) show the sample locations.

**TABLE 3 — SUMMARY OF PCB FINDINGS
BOYS AND GIRLS HOME, 2101 COURT STREET, SIOUX CITY, IOWA**

Figure Key	Sample ID	Material Description	Material Locations	Analytical Result (ppm)	Quantity
1	MB-EJ-01	White Expansion Joint	Between B25 Building and Main Building (Northwest Corner)	ND	NA
2	MB-CLK-01	White Crowning Caulk	Main Building - Stairway Exterior Awnings	ND	NA
3	MB-CLK2-01	White Flashing Caulk	Main Building - East Side (Above Sidewalk)	ND	NA
4	MB-DC-01	Black Door Caulk	Main Building - Exterior Doors	ND	NA
5	MB-DC2-02	White Door Caulk	Main Building - West Side Stairs Door, and Southwest Door	ND	NA
6	MB-WC1-01	White Window Glaze	Main Building - Ground, 1 st , and 7 th Floor	ND	NA
7	B25-DC-01	White Door Caulk	Building 25 - West Door	ND	NA
8	B25-WC1-01	White Window Caulk	Building 25 - Roof and Penthouse Windows	ND	NA
9	B25-WC2-01	White Window Caulk	Building 25 - Exterior Windows	ND	NA
10	B25-EJC1-01	White Expansion Joint Compound	Building 25 - Roof	1,400	200 LF
11	B25-EJC2-01	Black Expansion Joint Compound	Building 25 - Roof	150	10 LF
12	B25-EJC3-01	White Expansion Joint	Chapel B25 Hall to Chapel	ND	NA
13	C-DC-01	Drywall Joint Compound	Chapel - 3 rd Floor (Southeast Office Area)	ND	NA
14	C-WC1-01	Black Window Caulk	Chapel - Penthouse Windows	1.3	NA
15	C-WC2-01	White Window Caulk	Chapel - Penthouse Windows	5.1	NA
16	C-WC3-01	White Window Caulk	Chapel - North Side Chapel Window	0.89	NA
17	C-EJC-01	Expansion Joint Caulk Under Windows	Chapel - Penthouse Windows	0.56	NA

Notes:

Bolded results indicates the detection of PCBs at or above the action level of 50 ppm.

ID Identification
LF Linear feet
NA Not applicable

ND Not detected
PCB Polychlorinated biphenyl
ppm Parts per million

9.0 FINDINGS AND RECOMMENDATIONS

The following findings and recommendations are based on observations made during the Survey effort and analytical results from the samples collected at the subject property:

9.1 ASBESTOS-CONTAINING MATERIAL (ACM)

This Survey identified ACM in the following materials:

Garage

- Black roof flashing (approximately 1,012 square feet [SF]) on the Garage roof.

Library

- Light green with gray streaks vinyl floor tile (12-inch [12"] by 12") (approximately 50 SF) on the 1st and 2nd floors of the Library.

Power Plant and Tunnels

- Pipe insulation (approximately 400 linear feet [LF]) throughout the Power Plant and tunnels;
- Transite board (approximately 100 SF) in the Power Plant (between large boilers);
- Tank insulation (approximately 200 SF) in the upper room of the Power Plant and below the Library;
- Aircell pipe insulation (approximately 600 LF) throughout Power Plant and below the Library; and
- Black flashing (approximately 500 LF) on the perimeter of the Power Plant roof.

Chapel

- Red vinyl floor tile (9" by 9") (approximately 500 SF) in the mezzanine of the Chapel;
- Aircell pipe insulation (approximately 1,000 LF) throughout the Chapel;
- White window glaze (128 windows) on the exterior Chapel windows;
- Black roof flashing (approximately 400 LF) under the Chapel roof flashing;
- Thick black roof flashing (approximately 400 LF) over the Chapel roof flashing;
- Black window caulk (two windows) on the Chapel penthouse windows;
- White window caulk (two windows) on the Chapel penthouse windows;
- Expansion joint caulk (two windows) under Chapel penthouse windows;
- White window caulk (128 windows) on the north side Chapel windows;
- Black sealant (approximately 500 SF) on the north side of the Chapel foundation; and
- Tan door caulk (five doors) on the Chapel exterior.

Building 25

- Pebble sheet flooring (approximately 2,350 SF) throughout 3rd floor hallways of Building 25;
- Vinyl floor tile, grey with brown streaks (12" by 12") (approximately 15,000 SF) throughout the 4th and 3rd floors of Building 25;
- 12" pipe insulation (approximately 500 LF) in the access near old elevator/stairs in Building 25;
- Mudded joint fittings (approximately 200 LF) throughout Building 25;
- Aircell pipe insulation (approximately 800 LF) throughout Building 25;
- White expansion joint compound (approximately 200 LF) on the roof of Building 25;
- White window caulk (8 windows) on the Building 25 roof and penthouse windows;
- Sheet flooring with square pebbles (approximately 4,000 SF) on the 2nd floor – A wing of Building 25;
- Beige vinyl floor tile (12" by 12") (approximately 250 SF) on the ground floor – southeast room of Building 25;
- White door caulk (approximately 16 LF) on the west door of Building 25;
- White expansion joint (approximately 10 LF) on the Building 25 hall that connects to the Chapel;
- Black sink undercoating (15 sinks) throughout the Main Building;
- Tan with gray streaks vinyl floor tile (9" by 9") (approximately 3,400 SF) in the Main Building basement - C and D wings;
- Green with white and gray specs vinyl floor tile (12" by 12") (approximately 1,500 SF) in the Main Building basement - A wing;
- Vinyl floor tile, off-white with gray streaks (12" by 12") (approximately 900 SF) on the ground, 3rd, and 5th floors of the Main Building;
- Vinyl floor tile, cream with brown streaks (12" by 12") (approximately 180 SF) on the ground, 3rd, and 5th floors of the Main Building;
- Vinyl floor tile, gray with gray streaks (12" by 12") (approximately 2,740 SF) in the Main Building basement – A and C wings;
- Wood panel mastic (approximately 9,505 SF) in the Main Building basement – C wing;
- Spray-on fire proofing (approximately 580 SF) on the 4th and 5th floors of the Main Building;
- White window caulk (158 windows) on the exterior windows of the Main Building;
- Black door caulk (10 doors) on the exterior doors of the Main Building;
- White flashing caulk (approximately 90 LF) on the east side (above sidewalk) on the Main Building; and
- White expansion joint (approximately 90 LF) located between Building 25 and Main Building (Northwest Corner).

In addition, fire doors, electrical panels, and elevator equipment throughout the buildings are assumed to be ACM. These locations were not sampled because of concerns with structural damage and safety.

The ACM listed above should be removed by a licensed asbestos abatement contractor before demolition work disturbs the material. The removed waste must be transported to a disposal site that is approved to accept both friable and non-friable ACM. If the building is to be renovated, or if plans do not include disturbing any of the above ACM materials, the ACM may remain in place.

9.2 LEAD-BASED PAINT (LBP)

Approximately 23,525 SF of various colors of LBP were on a variety of substrates throughout the buildings—including door frames, doors, posts, steel beams, piping, door trim, wall guards, elevator door frames, and elevator doors. Widespread occurrence of LBP precluded the documentation of specific locations.

If the LBP surfaces are impacted during renovations or during demolition at the subject property, the Toeroek Team recommends that the contractor conducting the renovations comply with the OSHA lead in construction standard—Title 29 of the *Code of Federal Regulations* (CFR), Part 1926.62. If the materials containing LBP are removed during renovation activities, a sample should be collected from the debris pile for Toxicity Characteristic Leaching Procedure (TCLP) analysis (40 CFR 261.24). Representative samples should be collected and analyzed for all eight metals specified in 40 CFR Part 261.24 (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver). This would allow determination of the proper method of disposal of the materials.

9.3 POLYCHLORINATED BIPHENYLS (PCBs)

Laboratory results indicate that two sample locations had exceedances of PCBs: Samples B25-EJC1-01, and B25-EJC2-01 had concentrations of 1,400 ppm and 150 ppm, respectively. Those sample locations are representative of the Building 25 roof expansion joint compound caulking.

10.0 ASSUMPTIONS AND DEVIATIONS

The Toeroek Team inspected the interiors and exteriors of the subject property building for suspected ACM, LBP, and PCB-containing caulk. Identified suspected asbestos-containing fire doors and elevator equipment in the building were not sampled to preserve the integrity of these materials. The Toeroek Team recommends that, if the fire doors and elevator equipment are to be disturbed during renovations or demolition, these materials should be sampled to determine their asbestos content. All other areas of the subject property buildings were inspected.

11.0 REFERENCES

- Agency for Toxic Substance and Disease Registry (ATSDR). 2008. “Asbestos: Health Effects.” Accessed December 13, 2012. http://www.atsdr.cdc.gov/asbestos/asbestos/health_effects
- Environmental Protection Agency, U.S. (EPA). 2016. “How to Test for PCBs and Characterize Suspect Materials.” Accessed July 7, 2022. <https://www.epa.gov/pcbs/how-test-pcbs-and-characterize-suspect-materials>
- Toeroek Associates, Inc. and Tetra Tech Inc. (Toeroek Team). 2023. *Quality Assurance Project Plan, Phase II Environmental Site Assessment and Hazardous Materials Survey*. Boys and Girls Home, 2101 Court Street, Sioux City, Iowa. April 2023.
- U.S. Department of Housing and Urban Development (HUD). 2012. *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*. Office of Healthy Homes and Lead Control. Second edition. July.

**APPENDIX A
FIGURES**

Sample Key Table

Key	Sample No.
Asbestos	
1	B25-CT1-01
2	B25-CT1-02
3	B25-CT1-03
4	B25-CT2-01
5	B25-CT2-02
6	B25-CT2-03
7	B25-CT3-01
8	B25-CT3-02
9	B25-CT3-03
10	B25-GD-01
11	B25-GD-02
12	B25-GD-03
13	B25-PL-01
14	B25-PL-02
15	B25-PL-03
16	B25-PL-04
17	B25-PL-05
18	B25-PL-06
19	B25-PL-07
20	B25-DWJC-01
21	B25-DWJC-02
22	B25-DWJC-03
23	B25-DWJC-04
24	B25-DWJC-05
25	B25-DWJC-06
26	B25-DWJC-07
27	B25-SF-01
28	B25-SF-02
29	B25-SF-03
30	B25-CBM1-01
31	B25-CBM1-02
32	B25-CBM1-03
33	B25-CBM2-01
34	B25-CBM2-02
35	B25-CBM2-03
36	B25-CBM3-01
37	B25-CBM3-02
38	B25-CBM3-03
39	B25-CWT1-01
40	B25-CWT1-02
41	B25-CWT1-03
42	B25-CFT-01
43	B25-CFT-02
44	B25-CFT-03
45	B25-VI-01
46	B25-VFT1-01
47	B25-VFT1-02
48	B25-VFT1-03
49	B25-WM1-01
50	B25-WM1-02

Sample Key Table

Key	Sample No.
Asbestos	
51	B25-WM1-03
52	B25-TS11-01
53	B25-TS11-02
54	B25-TS11-03
55	B25-CWT2-01
56	B25-CWT2-02
57	B25-CWT2-03
58	B25-WM2-01
59	B25-WM2-02
60	B25-WM2-03
61	B25-MJF-01
62	B25-MJF-02
63	B25-MJF-03
64	B25-VFT2-01
65	B25-VFT2-02
66	B25-VFT2-03
67	B25-VFT3-01
68	B25-VFT3-02
69	B25-VFT3-03
70	B25-CWT3-01
71	B25-CWT3-02
72	B25-CWT3-03
73	B25-TS12-01
74	B25-TS12-02
75	B25-TS12-03
76	B25-CWT4-01
77	B25-CWT4-02
78	B25-CWT4-03
79	B25-CBM4-01
80	B25-CBM4-02
81	B25-CBM4-03
82	B25-CT4-01
83	B25-CT4-02
84	B25-CT4-03
85	B25-CB-01
86	B25-CB-02
87	B25-CB-03
88	B25-EJC1-01
89	B25-EJC1-02
90	B25-EJC2-01
91	B25-EJC2-02
92	B25-WC1-01
93	B25-WC1-02
94	B25-WC1-03
95	B25-SF2-01
96	B25-SF2-02
97	B25-SF2-03
98	B25-CFT2-01
99	B25-CFT2-02
100	B25-CFT2-03

Sample Key Table

Key	Sample No.
Asbestos	
101	B25-TF-01
102	B25-TF-02
103	B25-TF-03
104	B25-VFT4-01
105	B25-VFT4-02
106	B25-VFT4-03
107	B25-VFT5-01
108	B25-VFT5-02
109	B25-VFT5-03
110	B25-DI-01
111	B25-DI-02
112	B25-DI-03
113	B25-WG-01
114	B25-WG-02
115	B25-WG-03
116	B25-DC-01
117	B25-DC-02
118	B25-DC-03
119	B25-WC2-01
120	B25-WC2-02
121	B25-WC2-03
122	B25-EJC3-01
123	B25-EJC3-02
124	B25-EJC3-03
PCB	
7	B25-DC-01
8	B25-WC1-01
9	B25-WC2-01
10	B25-EJC1-01
11	B25-EJC2-01
12	B25-EJC3-01

Ground Floor



Legend

All sample points for the building are tabulated above, including points on other floors. Red text indicates confirmed asbestos-containing material (ACM). Green text indicates confirmed polychlorinated biphenyls (PCB).

- Asbestos-Containing Material Sample Location
- Non-Asbestos-Containing Material Sample Location



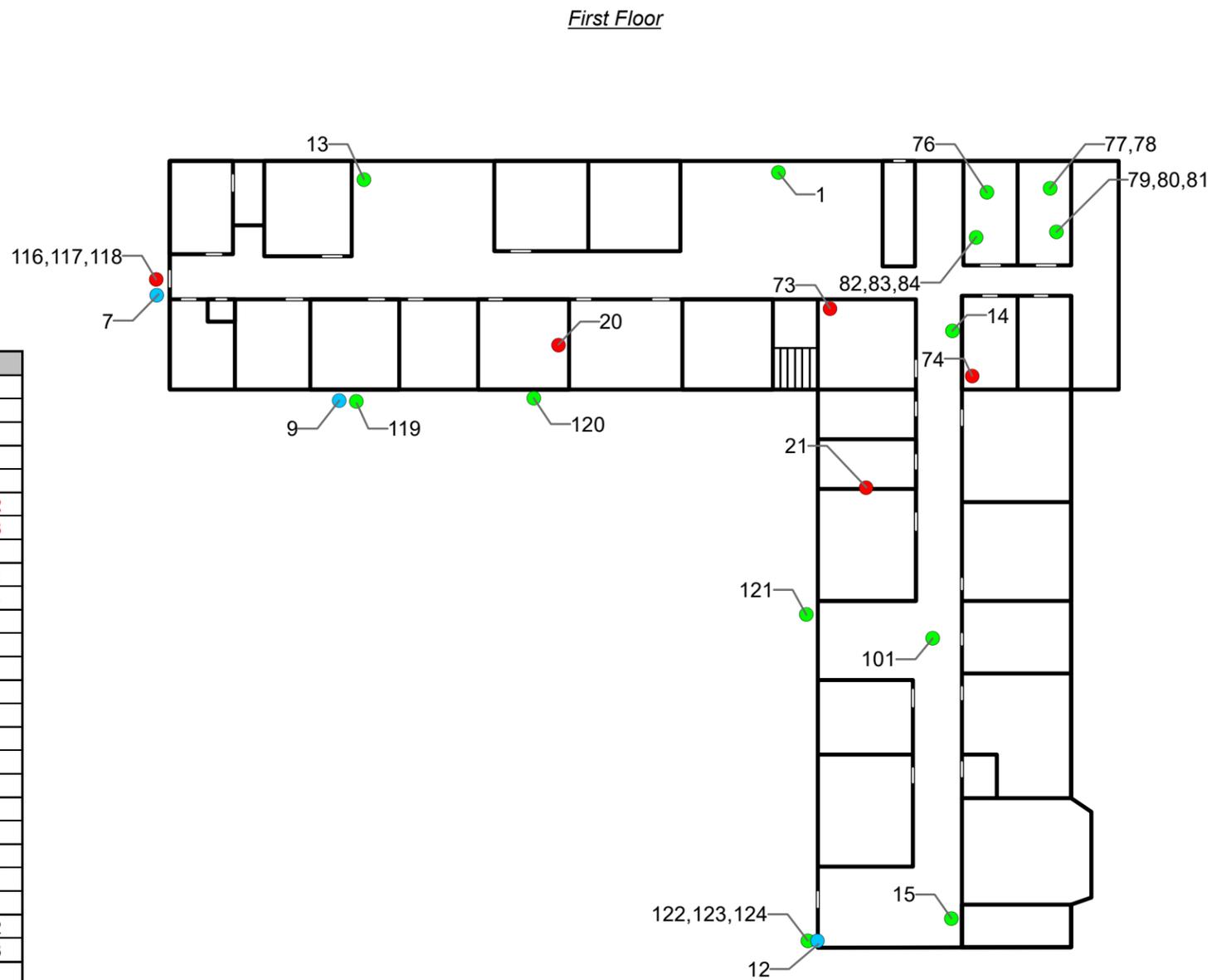
Boys and Girls Home
2101 Court St, Sioux City, IA 51104

Figure 1 - Building 25
Asbestos Location Map



Sample Key Table		Sample Key Table	
Key	Sample No.	Key	Sample No.
Asbestos			
1	B25-CT1-01	51	B25-WM1-03
2	B25-CT1-02	52	B25-TS11-01
3	B25-CT1-03	53	B25-TS11-02
4	B25-CT2-01	54	B25-TS11-03
5	B25-CT2-02	55	B25-CWT2-01
6	B25-CT2-03	56	B25-CWT2-02
7	B25-CT3-01	57	B25-CWT2-03
8	B25-CT3-02	58	B25-WM2-01
9	B25-CT3-03	59	B25-WM2-02
10	B25-GD-01	60	B25-WM2-03
11	B25-GD-02	61	B25-MJF-01
12	B25-GD-03	62	B25-MJF-02
13	B25-PL-01	63	B25-MJF-03
14	B25-PL-02	64	B25-VFT2-01
15	B25-PL-03	65	B25-VFT2-02
16	B25-PL-04	66	B25-VFT2-03
17	B25-PL-05	67	B25-VFT3-01
18	B25-PL-06	68	B25-VFT3-02
19	B25-PL-07	69	B25-VFT3-03
20	B25-DWJC-01	70	B25-CWT3-01
21	B25-DWJC-02	71	B25-CWT3-02
22	B25-DWJC-03	72	B25-CWT3-03
23	B25-DWJC-04	73	B25-TSI2-01
24	B25-DWJC-05	74	B25-TSI2-02
25	B25-DWJC-06	75	B25-TSI2-03
26	B25-DWJC-07	76	B25-CWT4-01
27	B25-SF-01	77	B25-CWT4-02
28	B25-SF-02	78	B25-CWT4-03
29	B25-SF-03	79	B25-CBM4-01
30	B25-CBM1-01	80	B25-CBM4-02
31	B25-CBM1-02	81	B25-CBM4-03
32	B25-CBM1-03	82	B25-CT4-01
33	B25-CBM2-01	83	B25-CT4-02
34	B25-CBM2-02	84	B25-CT4-03
35	B25-CBM2-03	85	B25-CB-01
36	B25-CBM3-01	86	B25-CB-02
37	B25-CBM3-02	87	B25-CB-03
38	B25-CBM3-03	88	B25-EJC1-01
39	B25-CWT1-01	89	B25-EJC1-02
40	B25-CWT1-02	90	B25-EJC2-01
41	B25-CWT1-03	91	B25-EJC2-02
42	B25-CFT-01	92	B25-WC1-01
43	B25-CFT-02	93	B25-WC1-02
44	B25-CFT-03	94	B25-WC1-03
45	B25-VI-01	95	B25-SF2-01
46	B25-VFT1-01	96	B25-SF2-02
47	B25-VFT1-02	97	B25-SF2-03
48	B25-VFT1-03	98	B25-CFT2-01
49	B25-WM1-01	99	B25-CFT2-02
50	B25-WM1-02	100	B25-CFT2-03

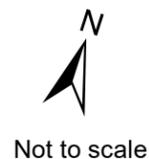
Sample Key Table	
Key	Sample No.
Asbestos	
101	B25-TF-01
102	B25-TF-02
103	B25-TF-03
104	B25-VFT4-01
105	B25-VFT4-02
106	B25-VFT4-03
107	B25-VFT5-01
108	B25-VFT5-02
109	B25-VFT5-03
110	B25-DI-01
111	B25-DI-02
112	B25-DI-03
113	B25-WG-01
114	B25-WG-02
115	B25-WG-03
116	B25-DC-01
117	B25-DC-02
118	B25-DC-03
119	B25-WC2-01
120	B25-WC2-02
121	B25-WC2-03
122	B25-EJC3-01
123	B25-EJC3-02
124	B25-EJC3-03
PCB	
7	B25-DC-01
8	B25-WC1-01
9	B25-WC2-01
10	B25-EJC1-01
11	B25-EJC2-01
12	B25-EJC3-01



Legend

All sample points for the building are tabulated above, including points on other floors. Red text indicates confirmed asbestos-containing material (ACM). Green text indicates confirmed polychlorinated biphenyls (PCB).

- Asbestos-Containing Material Sample Location
- Non-Asbestos-Containing Material Sample Location
- PCB Sample Location



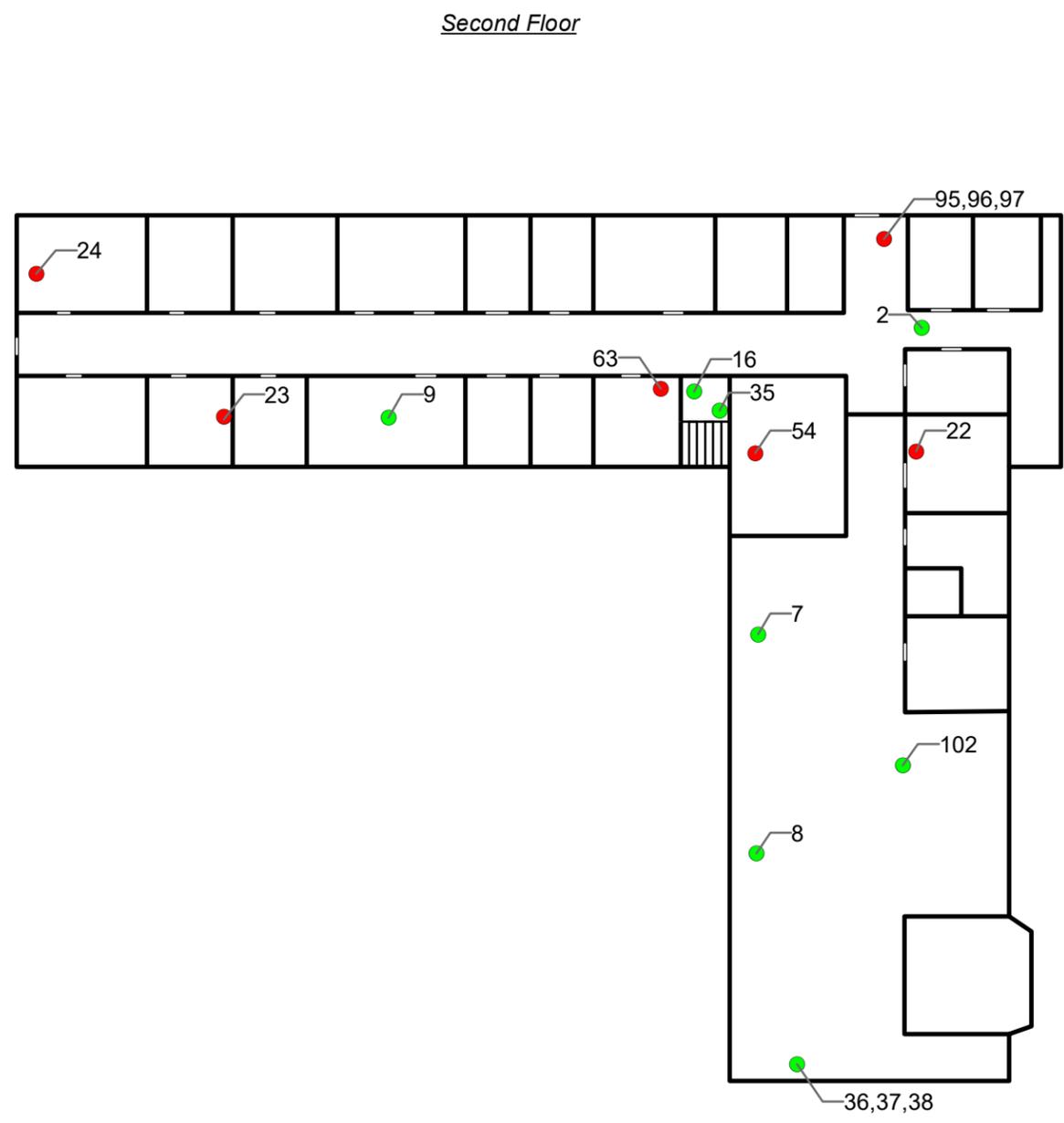
Boys and Girls Home
2101 Court St, Sioux City, IA 51104

Figure 2 - Building 25
Asbestos Location Map

Date: 8/16/2023 Drawn By: Susmita Shrestha Project No: 103265210190

Sample Key Table		Sample Key Table	
Key	Sample No.	Key	Sample No.
Asbestos			
1	B25-CT1-01	51	B25-WM1-03
2	B25-CT1-02	52	B25-TS11-01
3	B25-CT1-03	53	B25-TS11-02
4	B25-CT2-01	54	B25-TS11-03
5	B25-CT2-02	55	B25-CWT2-01
6	B25-CT2-03	56	B25-CWT2-02
7	B25-CT3-01	57	B25-CWT2-03
8	B25-CT3-02	58	B25-WM2-01
9	B25-CT3-03	59	B25-WM2-02
10	B25-GD-01	60	B25-WM2-03
11	B25-GD-02	61	B25-MJF-01
12	B25-GD-03	62	B25-MJF-02
13	B25-PL-01	63	B25-MJF-03
14	B25-PL-02	64	B25-VFT2-01
15	B25-PL-03	65	B25-VFT2-02
16	B25-PL-04	66	B25-VFT2-03
17	B25-PL-05	67	B25-VFT3-01
18	B25-PL-06	68	B25-VFT3-02
19	B25-PL-07	69	B25-VFT3-03
20	B25-DWJC-01	70	B25-CWT3-01
21	B25-DWJC-02	71	B25-CWT3-02
22	B25-DWJC-03	72	B25-CWT3-03
23	B25-DWJC-04	73	B25-TS12-01
24	B25-DWJC-05	74	B25-TS12-02
25	B25-DWJC-06	75	B25-TS12-03
26	B25-DWJC-07	76	B25-CWT4-01
27	B25-SF-01	77	B25-CWT4-02
28	B25-SF-02	78	B25-CWT4-03
29	B25-SF-03	79	B25-CBM4-01
30	B25-CBM1-01	80	B25-CBM4-02
31	B25-CBM1-02	81	B25-CBM4-03
32	B25-CBM1-03	82	B25-CT4-01
33	B25-CBM2-01	83	B25-CT4-02
34	B25-CBM2-02	84	B25-CT4-03
35	B25-CBM2-03	85	B25-CB-01
36	B25-CBM3-01	86	B25-CB-02
37	B25-CBM3-02	87	B25-CB-03
38	B25-CBM3-03	88	B25-EJC1-01
39	B25-CWT1-01	89	B25-EJC1-02
40	B25-CWT1-02	90	B25-EJC2-01
41	B25-CWT1-03	91	B25-EJC2-02
42	B25-CFT-01	92	B25-WC1-01
43	B25-CFT-02	93	B25-WC1-02
44	B25-CFT-03	94	B25-WC1-03
45	B25-VI-01	95	B25-SF2-01
46	B25-VFT1-01	96	B25-SF2-02
47	B25-VFT1-02	97	B25-SF2-03
48	B25-VFT1-03	98	B25-CFT2-01
49	B25-WM1-01	99	B25-CFT2-02
50	B25-WM1-02	100	B25-CFT2-03

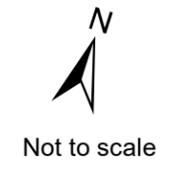
Sample Key Table	
Key	Sample No.
Asbestos	
101	B25-TF-01
102	B25-TF-02
103	B25-TF-03
104	B25-VFT4-01
105	B25-VFT4-02
106	B25-VFT4-03
107	B25-VFT5-01
108	B25-VFT5-02
109	B25-VFT5-03
110	B25-DI-01
111	B25-DI-02
112	B25-DI-03
113	B25-WG-01
114	B25-WG-02
115	B25-WG-03
116	B25-DC-01
117	B25-DC-02
118	B25-DC-03
119	B25-WC2-01
120	B25-WC2-02
121	B25-WC2-03
122	B25-EJC3-01
123	B25-EJC3-02
124	B25-EJC3-03
PCB	
7	B25-DC-01
8	B25-WC1-01
9	B25-WC2-01
10	B25-EJC1-01
11	B25-EJC2-01
12	B25-EJC3-01



Legend

All sample points for the building are tabulated above, including points on other floors. Red text indicates confirmed asbestos-containing material (ACM). Green text indicates confirmed polychlorinated biphenyls (PCB).

- Asbestos-Containing Material Sample Location
- Non-Asbestos-Containing Material Sample Location



Boys and Girls Home
2101 Court St, Sioux City, IA 51104

Figure 3 - Building 25
Asbestos Location Map

Date: 8/16/2023 Drawn By: Susmita Shrestha Project No: 103265210190

C:\XG\62\101\B017.03\mxd\Building25_2.mxd

Sample Key Table

Key	Sample No.
Asbestos	
1	B25-CT1-01
2	B25-CT1-02
3	B25-CT1-03
4	B25-CT2-01
5	B25-CT2-02
6	B25-CT2-03
7	B25-CT3-01
8	B25-CT3-02
9	B25-CT3-03
10	B25-GD-01
11	B25-GD-02
12	B25-GD-03
13	B25-PL-01
14	B25-PL-02
15	B25-PL-03
16	B25-PL-04
17	B25-PL-05
18	B25-PL-06
19	B25-PL-07
20	B25-DWJC-01
21	B25-DWJC-02
22	B25-DWJC-03
23	B25-DWJC-04
24	B25-DWJC-05
25	B25-DWJC-06
26	B25-DWJC-07
27	B25-SF-01
28	B25-SF-02
29	B25-SF-03
30	B25-CBM1-01
31	B25-CBM1-02
32	B25-CBM1-03
33	B25-CBM2-01
34	B25-CBM2-02
35	B25-CBM2-03
36	B25-CBM3-01
37	B25-CBM3-02
38	B25-CBM3-03
39	B25-CWT1-01
40	B25-CWT1-02
41	B25-CWT1-03
42	B25-CFT-01
43	B25-CFT-02
44	B25-CFT-03
45	B25-VI-01
46	B25-VFT1-01
47	B25-VFT1-02
48	B25-VFT1-03
49	B25-WM1-01
50	B25-WM1-02

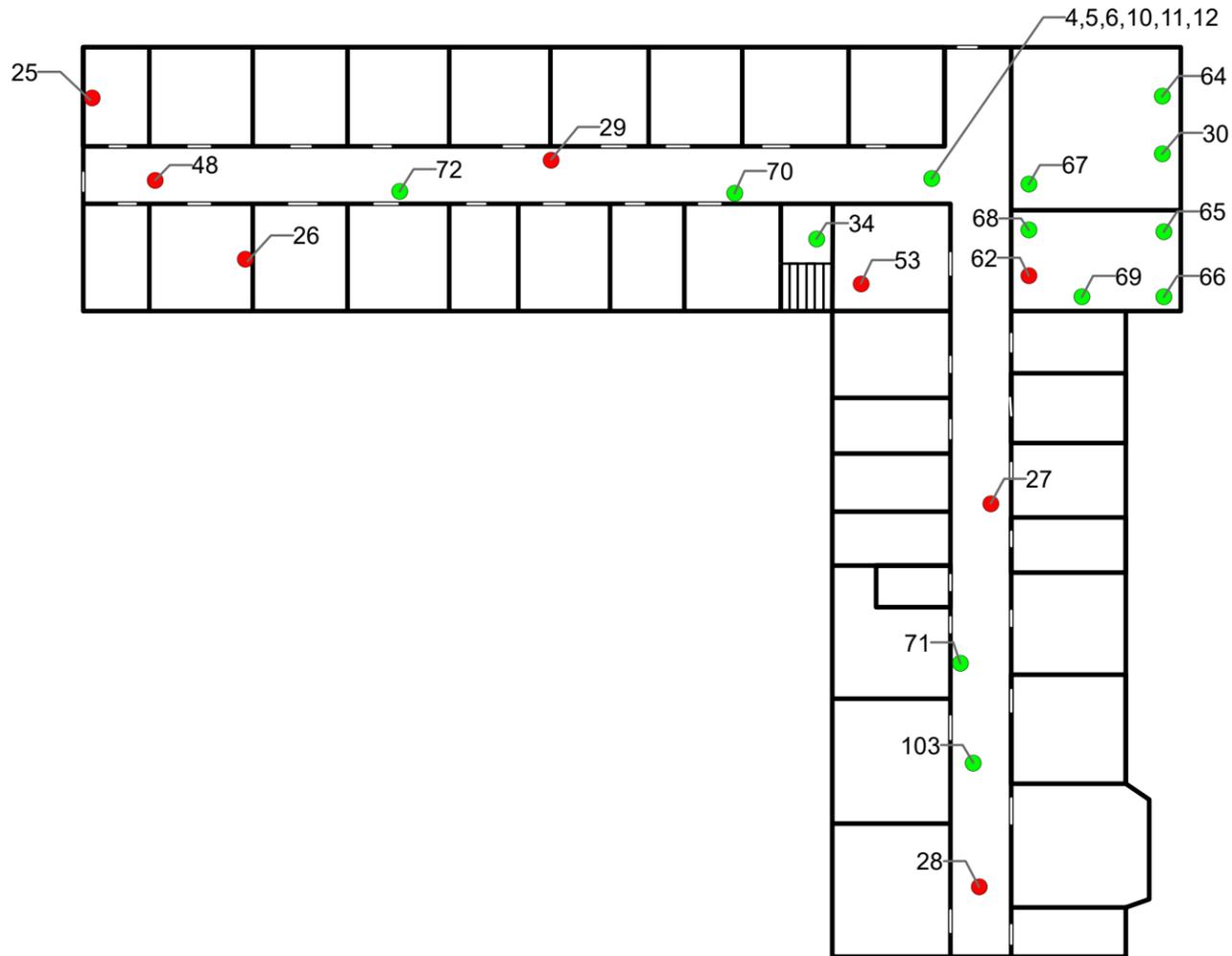
Sample Key Table

Key	Sample No.
Asbestos	
51	B25-WM1-03
52	B25-TS11-01
53	B25-TS11-02
54	B25-TS11-03
55	B25-CWT2-01
56	B25-CWT2-02
57	B25-CWT2-03
58	B25-WM2-01
59	B25-WM2-02
60	B25-WM2-03
61	B25-MJF-01
62	B25-MJF-02
63	B25-MJF-03
64	B25-VFT2-01
65	B25-VFT2-02
66	B25-VFT2-03
67	B25-VFT3-01
68	B25-VFT3-02
69	B25-VFT3-03
70	B25-CWT3-01
71	B25-CWT3-02
72	B25-CWT3-03
73	B25-TS12-01
74	B25-TS12-02
75	B25-TS12-03
76	B25-CWT4-01
77	B25-CWT4-02
78	B25-CWT4-03
79	B25-CBM4-01
80	B25-CBM4-02
81	B25-CBM4-03
82	B25-CT4-01
83	B25-CT4-02
84	B25-CT4-03
85	B25-CB-01
86	B25-CB-02
87	B25-CB-03
88	B25-EJC1-01
89	B25-EJC1-02
90	B25-EJC2-01
91	B25-EJC2-02
92	B25-WC1-01
93	B25-WC1-02
94	B25-WC1-03
95	B25-SF2-01
96	B25-SF2-02
97	B25-SF2-03
98	B25-CFT2-01
99	B25-CFT2-02
100	B25-CFT2-03

Sample Key Table

Key	Sample No.
Asbestos	
101	B25-TF-01
102	B25-TF-02
103	B25-TF-03
104	B25-VFT4-01
105	B25-VFT4-02
106	B25-VFT4-03
107	B25-VFT5-01
108	B25-VFT5-02
109	B25-VFT5-03
110	B25-DI-01
111	B25-DI-02
112	B25-DI-03
113	B25-WG-01
114	B25-WG-02
115	B25-WG-03
116	B25-DC-01
117	B25-DC-02
118	B25-DC-03
119	B25-WC2-01
120	B25-WC2-02
121	B25-WC2-03
122	B25-EJC3-01
123	B25-EJC3-02
124	B25-EJC3-03
PCB	
7	B25-DC-01
8	B25-WC1-01
9	B25-WC2-01
10	B25-EJC1-01
11	B25-EJC2-01
12	B25-EJC3-01

Third Floor



Legend

All sample points for the building are tabulated above, including points on other floors. Red text indicates confirmed asbestos-containing material (ACM). Green text indicates confirmed polychlorinated biphenyls (PCB).

- Asbestos-Containing Material Sample Location
- Non-Asbestos-Containing Material Sample Location



Boys and Girls Home
2101 Court St, Sioux City, IA 51104

Figure 4 - Building 25
Asbestos Location Map

Sample Key Table

Key	Sample No.
Asbestos	
1	B25-CT1-01
2	B25-CT1-02
3	B25-CT1-03
4	B25-CT2-01
5	B25-CT2-02
6	B25-CT2-03
7	B25-CT3-01
8	B25-CT3-02
9	B25-CT3-03
10	B25-GD-01
11	B25-GD-02
12	B25-GD-03
13	B25-PL-01
14	B25-PL-02
15	B25-PL-03
16	B25-PL-04
17	B25-PL-05
18	B25-PL-06
19	B25-PL-07
20	B25-DWJC-01
21	B25-DWJC-02
22	B25-DWJC-03
23	B25-DWJC-04
24	B25-DWJC-05
25	B25-DWJC-06
26	B25-DWJC-07
27	B25-SF-01
28	B25-SF-02
29	B25-SF-03
30	B25-CBM1-01
31	B25-CBM1-02
32	B25-CBM1-03
33	B25-CBM2-01
34	B25-CBM2-02
35	B25-CBM2-03
36	B25-CBM3-01
37	B25-CBM3-02
38	B25-CBM3-03
39	B25-CWT1-01
40	B25-CWT1-02
41	B25-CWT1-03
42	B25-CFT-01
43	B25-CFT-02
44	B25-CFT-03
45	B25-VI-01
46	B25-VFT1-01
47	B25-VFT1-02
48	B25-VFT1-03
49	B25-WM1-01
50	B25-WM1-02

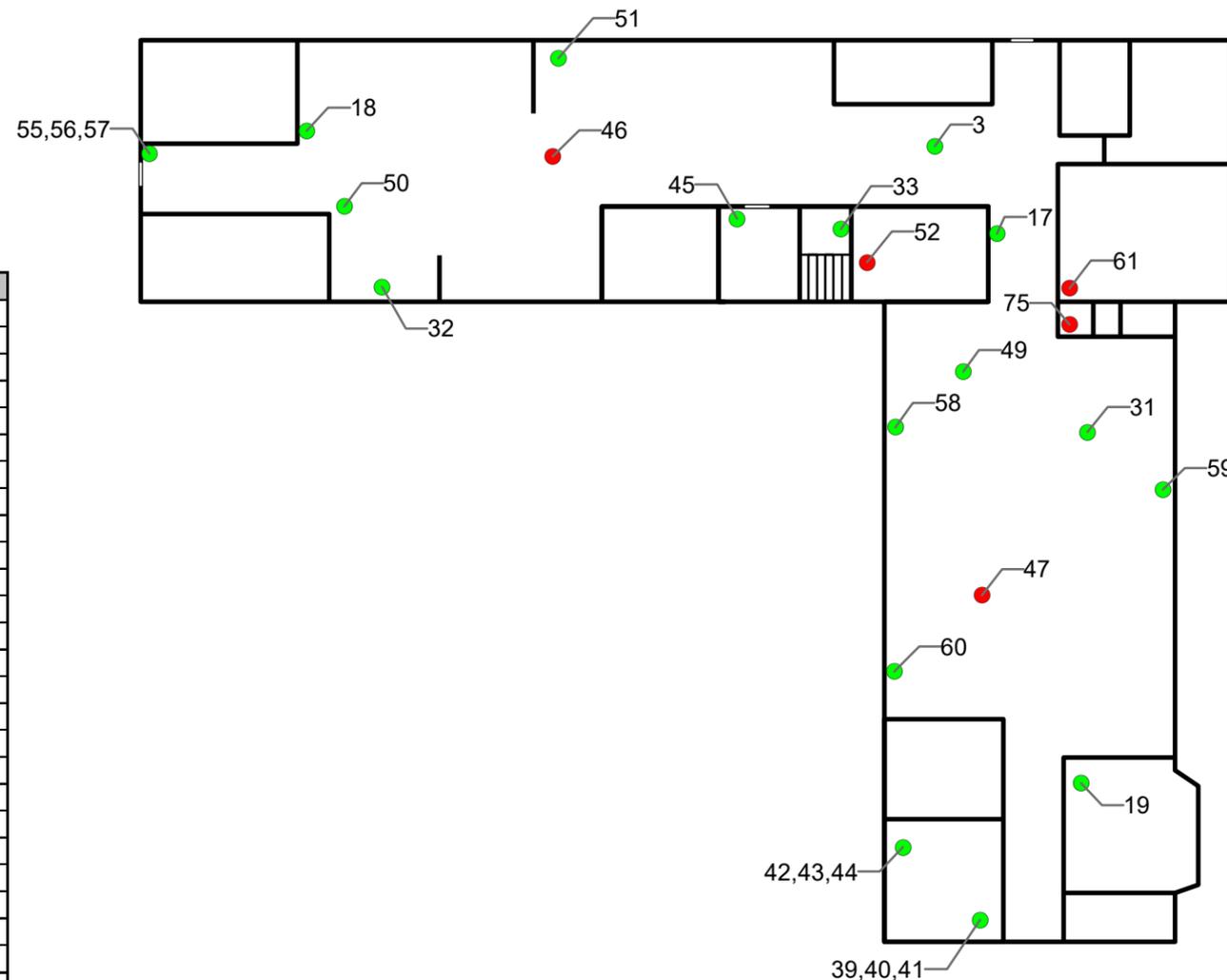
Sample Key Table

Key	Sample No.
Asbestos	
51	B25-WM1-03
52	B25-TS11-01
53	B25-TS11-02
54	B25-TS11-03
55	B25-CWT2-01
56	B25-CWT2-02
57	B25-CWT2-03
58	B25-WM2-01
59	B25-WM2-02
60	B25-WM2-03
61	B25-MJF-01
62	B25-MJF-02
63	B25-MJF-03
64	B25-VFT2-01
65	B25-VFT2-02
66	B25-VFT2-03
67	B25-VFT3-01
68	B25-VFT3-02
69	B25-VFT3-03
70	B25-CWT3-01
71	B25-CWT3-02
72	B25-CWT3-03
73	B25-TS12-01
74	B25-TS12-02
75	B25-TS12-03
76	B25-CWT4-01
77	B25-CWT4-02
78	B25-CWT4-03
79	B25-CBM4-01
80	B25-CBM4-02
81	B25-CBM4-03
82	B25-CT4-01
83	B25-CT4-02
84	B25-CT4-03
85	B25-CB-01
86	B25-CB-02
87	B25-CB-03
88	B25-EJC1-01
89	B25-EJC1-02
90	B25-EJC2-01
91	B25-EJC2-02
92	B25-WC1-01
93	B25-WC1-02
94	B25-WC1-03
95	B25-SF2-01
96	B25-SF2-02
97	B25-SF2-03
98	B25-CFT2-01
99	B25-CFT2-02
100	B25-CFT2-03

Sample Key Table

Key	Sample No.
Asbestos	
101	B25-TF-01
102	B25-TF-02
103	B25-TF-03
104	B25-VFT4-01
105	B25-VFT4-02
106	B25-VFT4-03
107	B25-VFT5-01
108	B25-VFT5-02
109	B25-VFT5-03
110	B25-DI-01
111	B25-DI-02
112	B25-DI-03
113	B25-WG-01
114	B25-WG-02
115	B25-WG-03
116	B25-DC-01
117	B25-DC-02
118	B25-DC-03
119	B25-WC2-01
120	B25-WC2-02
121	B25-WC2-03
122	B25-EJC3-01
123	B25-EJC3-02
124	B25-EJC3-03
PCB	
7	B25-DC-01
8	B25-WC1-01
9	B25-WC2-01
10	B25-EJC1-01
11	B25-EJC2-01
12	B25-EJC3-01

Fourth Floor



Legend

All sample points for the building are tabulated above, including points on other floors. Red text indicates confirmed asbestos-containing material (ACM). Green text indicates confirmed polychlorinated biphenyls (PCB).

- Asbestos-Containing Material Sample Location
- Non-Asbestos-Containing Material Sample Location



Not to scale

Boys and Girls Home
2101 Court St, Sioux City, IA 51104

Figure 5 - Building 25
Asbestos Location Map



TETRA TECH



TOEROEK
ASSOCIATES, INC.

Sample Key Table

Key	Sample No.
Asbestos	
1	B25-CT1-01
2	B25-CT1-02
3	B25-CT1-03
4	B25-CT2-01
5	B25-CT2-02
6	B25-CT2-03
7	B25-CT3-01
8	B25-CT3-02
9	B25-CT3-03
10	B25-GD-01
11	B25-GD-02
12	B25-GD-03
13	B25-PL-01
14	B25-PL-02
15	B25-PL-03
16	B25-PL-04
17	B25-PL-05
18	B25-PL-06
19	B25-PL-07
20	B25-DWJC-01
21	B25-DWJC-02
22	B25-DWJC-03
23	B25-DWJC-04
24	B25-DWJC-05
25	B25-DWJC-06
26	B25-DWJC-07
27	B25-SF-01
28	B25-SF-02
29	B25-SF-03
30	B25-CBM1-01
31	B25-CBM1-02
32	B25-CBM1-03
33	B25-CBM2-01
34	B25-CBM2-02
35	B25-CBM2-03
36	B25-CBM3-01
37	B25-CBM3-02
38	B25-CBM3-03
39	B25-CWT1-01
40	B25-CWT1-02
41	B25-CWT1-03
42	B25-CFT-01
43	B25-CFT-02
44	B25-CFT-03
45	B25-VI-01
46	B25-VFT1-01
47	B25-VFT1-02
48	B25-VFT1-03
49	B25-WM1-01
50	B25-WM1-02

Sample Key Table

Key	Sample No.
Asbestos	
51	B25-WM1-03
52	B25-TS11-01
53	B25-TS11-02
54	B25-TS11-03
55	B25-CWT2-01
56	B25-CWT2-02
57	B25-CWT2-03
58	B25-WM2-01
59	B25-WM2-02
60	B25-WM2-03
61	B25-MJF-01
62	B25-MJF-02
63	B25-MJF-03
64	B25-VFT2-01
65	B25-VFT2-02
66	B25-VFT2-03
67	B25-VFT3-01
68	B25-VFT3-02
69	B25-VFT3-03
70	B25-CWT3-01
71	B25-CWT3-02
72	B25-CWT3-03
73	B25-TS12-01
74	B25-TS12-02
75	B25-TS12-03
76	B25-CWT4-01
77	B25-CWT4-02
78	B25-CWT4-03
79	B25-CBM4-01
80	B25-CBM4-02
81	B25-CBM4-03
82	B25-CT4-01
83	B25-CT4-02
84	B25-CT4-03
85	B25-CB-01
86	B25-CB-02
87	B25-CB-03
88	B25-EJC1-01
89	B25-EJC1-02
90	B25-EJC2-01
91	B25-EJC2-02
92	B25-WC1-01
93	B25-WC1-02
94	B25-WC1-03
95	B25-SF2-01
96	B25-SF2-02
97	B25-SF2-03
98	B25-CFT2-01
99	B25-CFT2-02
100	B25-CFT2-03

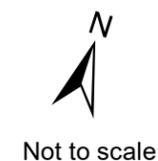
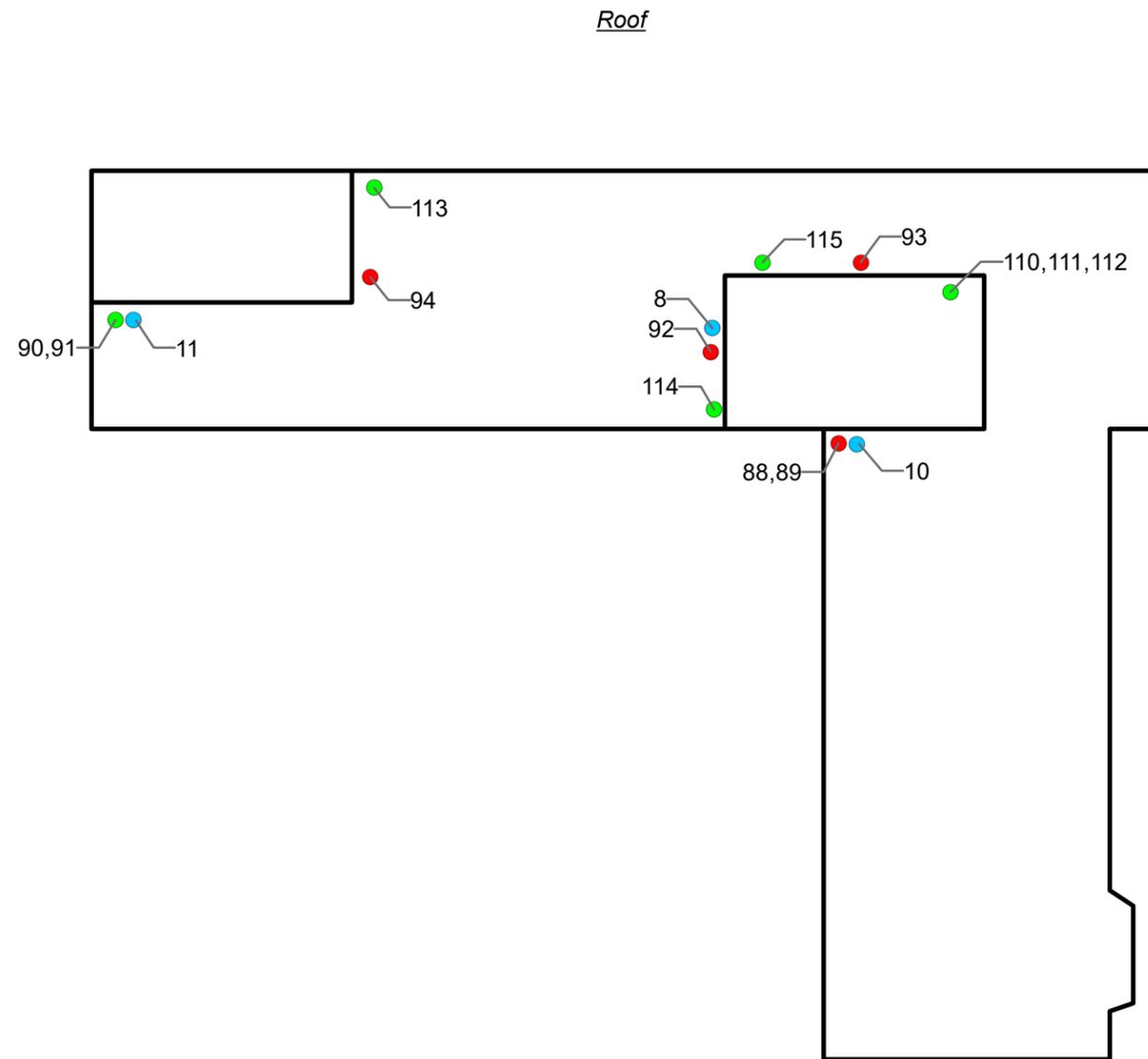
Sample Key Table

Key	Sample No.
Asbestos	
101	B25-TF-01
102	B25-TF-02
103	B25-TF-03
104	B25-VFT4-01
105	B25-VFT4-02
106	B25-VFT4-03
107	B25-VFT5-01
108	B25-VFT5-02
109	B25-VFT5-03
110	B25-DI-01
111	B25-DI-02
112	B25-DI-03
113	B25-WG-01
114	B25-WG-02
115	B25-WG-03
116	B25-DC-01
117	B25-DC-02
118	B25-DC-03
119	B25-WC2-01
120	B25-WC2-02
121	B25-WC2-03
122	B25-EJC3-01
123	B25-EJC3-02
124	B25-EJC3-03
PCB	
7	B25-DC-01
8	B25-WC1-01
9	B25-WC2-01
10	B25-EJC1-01
11	B25-EJC2-01
12	B25-EJC3-01

Legend

All sample points for the building are tabulated above, including points on other floors. Red text indicates confirmed asbestos-containing material (ACM). Green text indicates confirmed polychlorinated biphenyls (PCB).

- Asbestos-Containing Material Sample Location
- Non-Asbestos-Containing Material Sample Location
- PCB Sample Location



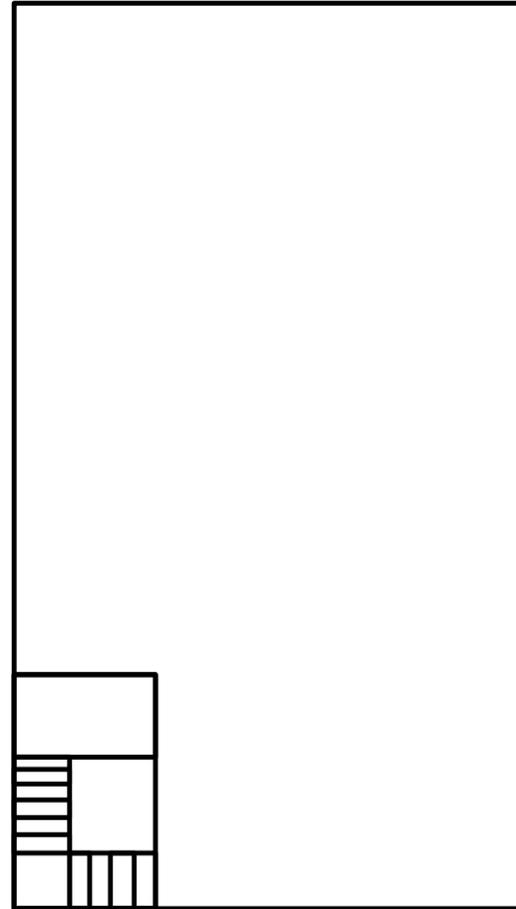
Boys and Girls Home
2101 Court St, Sioux City, IA 51104

Figure 6 - Building 25
Asbestos Location Map

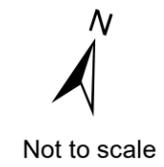
Date: 8/16/2023
Drawn By: Susmita Shrestha
Project No: 103265210190

C:\XG\62\1019017_03\mxd\Building25_5.mxd

Basement



No Samples Collected



Boys and Girls Home
2101 Court St, Sioux City, IA 51104

Figure 7 - Chapel
Asbestos Location Map

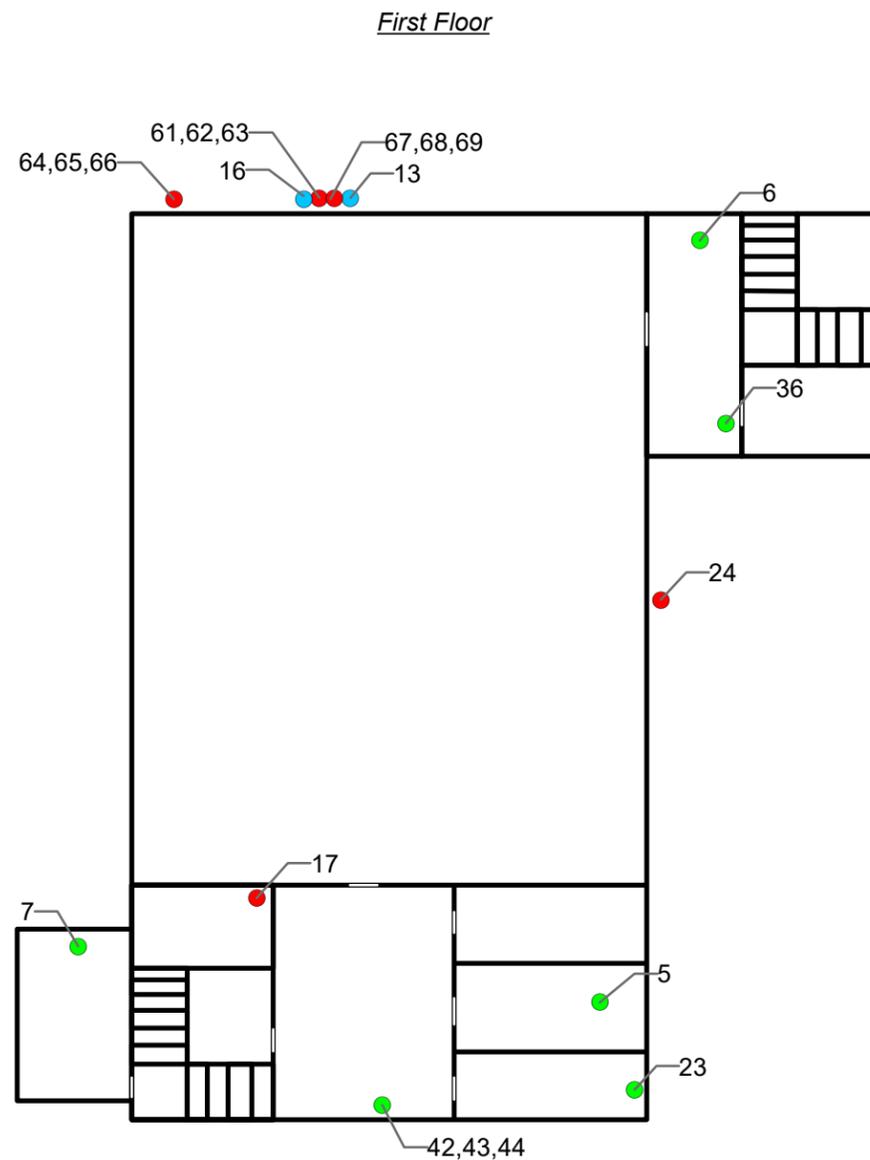


Sample Key Table

Key	Sample No.
Asbestos	
1	C-VFT1-01
2	C-VFT1-02
3	C-VFT1-03
4	C-VI-01
5	C-PL-01
6	C-PL-02
7	C-PL-03
8	C-PL-04
9	C-PL-05
10	C-PL-06
11	C-PL-07
12	C-DWJC-01
13	C-DWJC-02
14	C-DWJC-03
15	C-TSI-01
16	C-TSI-02
17	C-TSI-03
18	C-WM-01
19	C-WM-02
20	C-WM-03
21	C-WI-01
22	C-WI-02
23	C-WI-03
24	C-WG1-01
25	C-WG1-02
26	C-WG1-03
27	C-VFT2-01
28	C-VFT2-02
29	C-VFT2-03
30	C-CT-01
31	C-CT-02
32	C-CT-03
33	C-CBM1-01
34	C-CBM1-02
35	C-CBM1-03
36	C-CBM2-01
37	C-CBM2-02
38	C-CBM2-03
39	C-TF-01
40	C-TF-02
41	C-TF-03
42	C-PWC-01
43	C-PWC-02
44	C-PWC-03
45	C-RF1-01
46	C-RF1-02
47	C-RF1-03
48	C-RF2-1
49	C-RF2-2
50	C-RF2-3

Sample Key Table

Key	Sample No.
Asbestos	
51	C-RC-01
52	C-RC-02
53	C-WC-01
54	C-WC-02
55	C-WC2-01
56	C-WC2-02
57	C-EJC-01
58	C-EJC-02
59	C-WG2-01
60	C-WG2-02
61	C-WC3-01
62	C-WC3-02
63	C-WC3-03
64	C-SL-01
65	C-SL-02
66	C-SL-03
67	C-DC-01
68	C-DC-02
69	C-DC-03
PCB	
13	C-DC-01
14	C-WC1-01
15	C-WC2-01
16	C-WC3-01
17	C-EJC-01



Legend

All sample points for the building are tabulated above, including points on other floors. Red text indicates confirmed asbestos-containing material (ACM). Green text indicates confirmed polychlorinated biphenyls (PCB).

- Asbestos-Containing Material Sample Location
- Non-Asbestos-Containing Material Sample Location
- PCB Sample Location

Boys and Girls Home
2101 Court St, Sioux City, IA 51104

Figure 8 - Chapel
Asbestos Location Map



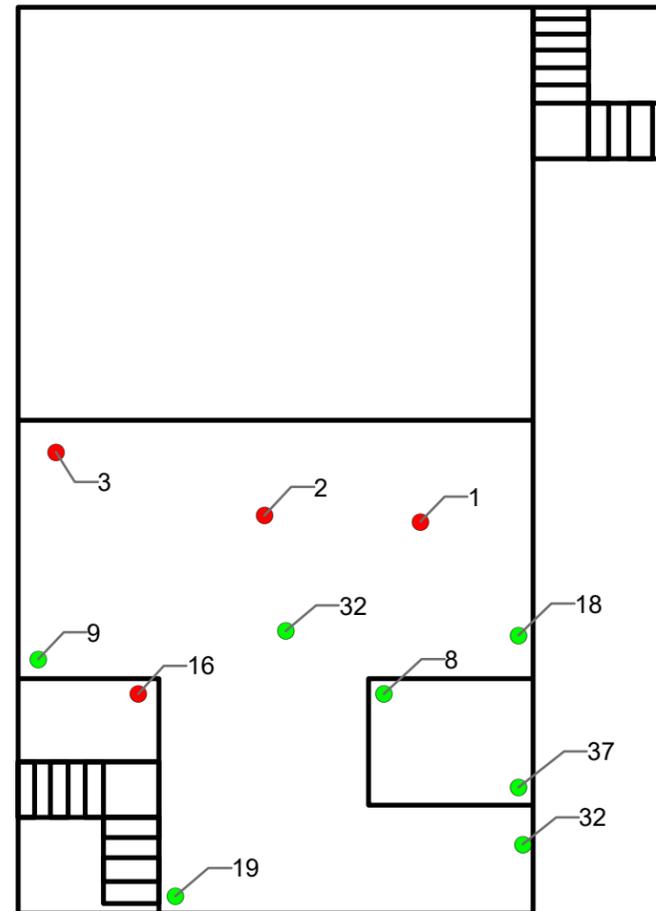
Sample Key Table

Key	Sample No.
Asbestos	
1	C-VFT1-01
2	C-VFT1-02
3	C-VFT1-03
4	C-VI-01
5	C-PL-01
6	C-PL-02
7	C-PL-03
8	C-PL-04
9	C-PL-05
10	C-PL-06
11	C-PL-07
12	C-DWJC-01
13	C-DWJC-02
14	C-DWJC-03
15	C-TSI-01
16	C-TSI-02
17	C-TSI-03
18	C-WM-01
19	C-WM-02
20	C-WM-03
21	C-WI-01
22	C-WI-02
23	C-WI-03
24	C-WG1-01
25	C-WG1-02
26	C-WG1-03
27	C-VFT2-01
28	C-VFT2-02
29	C-VFT2-03
30	C-CT-01
31	C-CT-02
32	C-CT-03
33	C-CBM1-01
34	C-CBM1-02
35	C-CBM1-03
36	C-CBM2-01
37	C-CBM2-02
38	C-CBM2-03
39	C-TF-01
40	C-TF-02
41	C-TF-03
42	C-PWC-01
43	C-PWC-02
44	C-PWC-03
45	C-RF1-01
46	C-RF1-02
47	C-RF1-03
48	C-RF2-1
49	C-RF2-2
50	C-RF2-3

Sample Key Table

Key	Sample No.
Asbestos	
51	C-RC-01
52	C-RC-02
53	C-WC-01
54	C-WC-02
55	C-WC2-01
56	C-WC2-02
57	C-EJC-01
58	C-EJC-02
59	C-WG2-01
60	C-WG2-02
61	C-WC3-01
62	C-WC3-02
63	C-WC3-03
64	C-SL-01
65	C-SL-02
66	C-SL-03
67	C-DC-01
68	C-DC-02
69	C-DC-03
PCB	
13	C-DC-01
14	C-WC1-01
15	C-WC2-01
16	C-WC3-01
17	C-EJC-01

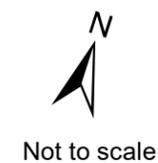
Second Floor



Legend

All sample points for the building are tabulated above, including points on other floors. Red text indicates confirmed asbestos-containing material (ACM). Green text indicates confirmed polychlorinated biphenyls (PCB).

- Asbestos-Containing Material Sample Location
- Non-Asbestos-Containing Material Sample Location



Boys and Girls Home
2101 Court St, Sioux City, IA 51104

Figure 9 - Chapel
Asbestos Location Map



Sample Key Table

Key	Sample No.
Asbestos	
1	C-VFT1-01
2	C-VFT1-02
3	C-VFT1-03
4	C-VI-01
5	C-PL-01
6	C-PL-02
7	C-PL-03
8	C-PL-04
9	C-PL-05
10	C-PL-06
11	C-PL-07
12	C-DWJC-01
13	C-DWJC-02
14	C-DWJC-03
15	C-TSI-01
16	C-TSI-02
17	C-TSI-03
18	C-WM-01
19	C-WM-02
20	C-WM-03
21	C-WI-01
22	C-WI-02
23	C-WI-03
24	C-WG1-01
25	C-WG1-02
26	C-WG1-03
27	C-VFT2-01
28	C-VFT2-02
29	C-VFT2-03
30	C-CT-01
31	C-CT-02
32	C-CT-03
33	C-CBM1-01
34	C-CBM1-02
35	C-CBM1-03
36	C-CBM2-01
37	C-CBM2-02
38	C-CBM2-03
39	C-TF-01
40	C-TF-02
41	C-TF-03
42	C-PWC-01
43	C-PWC-02
44	C-PWC-03
45	C-RF1-01
46	C-RF1-02
47	C-RF1-03
48	C-RF2-1
49	C-RF2-2
50	C-RF2-3

Sample Key Table

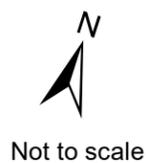
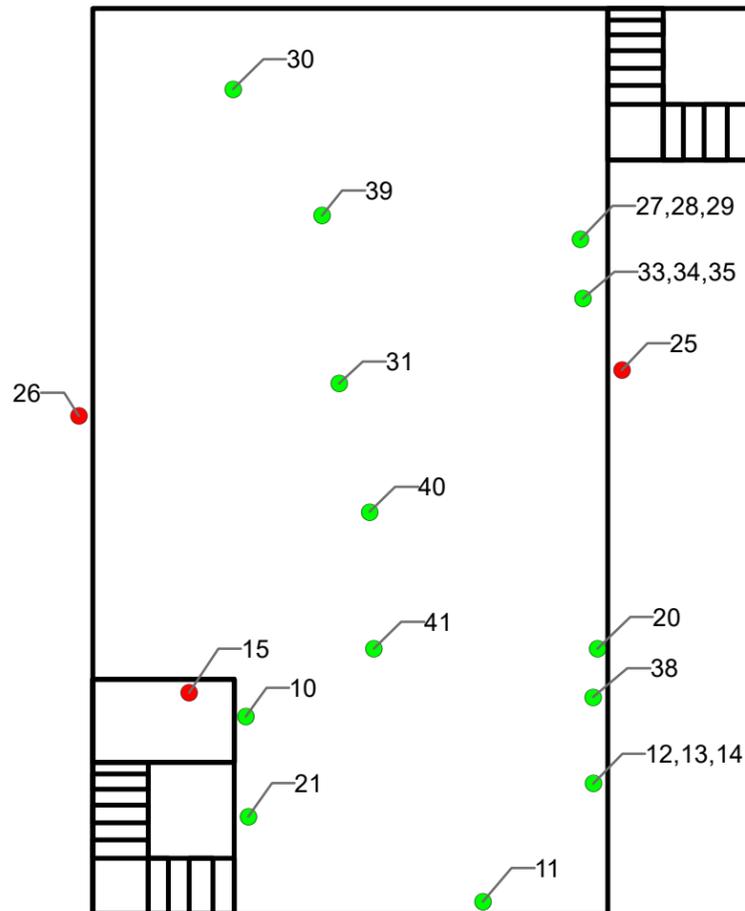
Key	Sample No.
Asbestos	
51	C-RC-01
52	C-RC-02
53	C-WC-01
54	C-WC-02
55	C-WC2-01
56	C-WC2-02
57	C-EJC-01
58	C-EJC-02
59	C-WG2-01
60	C-WG2-02
61	C-WC3-01
62	C-WC3-02
63	C-WC3-03
64	C-SL-01
65	C-SL-02
66	C-SL-03
67	C-DC-01
68	C-DC-02
69	C-DC-03
PCB	
13	C-DC-01
14	C-WC1-01
15	C-WC2-01
16	C-WC3-01
17	C-EJC-01

Legend

All sample points for the building are tabulated above, including points on other floors. Red text indicates confirmed asbestos-containing material (ACM). Green text indicates confirmed polychlorinated biphenyls (PCB).

- Asbestos-Containing Material Sample Location
- Non-Asbestos-Containing Material Sample Location

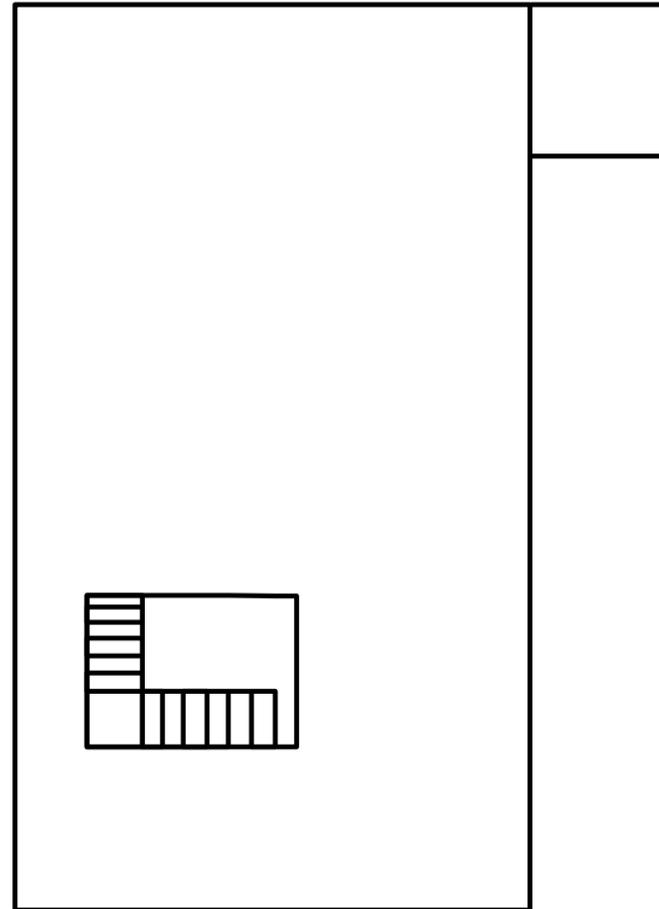
Third Floor



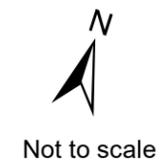
Boys and Girls Home
2101 Court St, Sioux City, IA 51104

Figure 10 - Chapel
Asbestos Location Map

Fourth Floor



No Samples Collected



Boys and Girls Home
2101 Court St, Sioux City, IA 51104

Figure 11 - Chapel
Asbestos Location Map



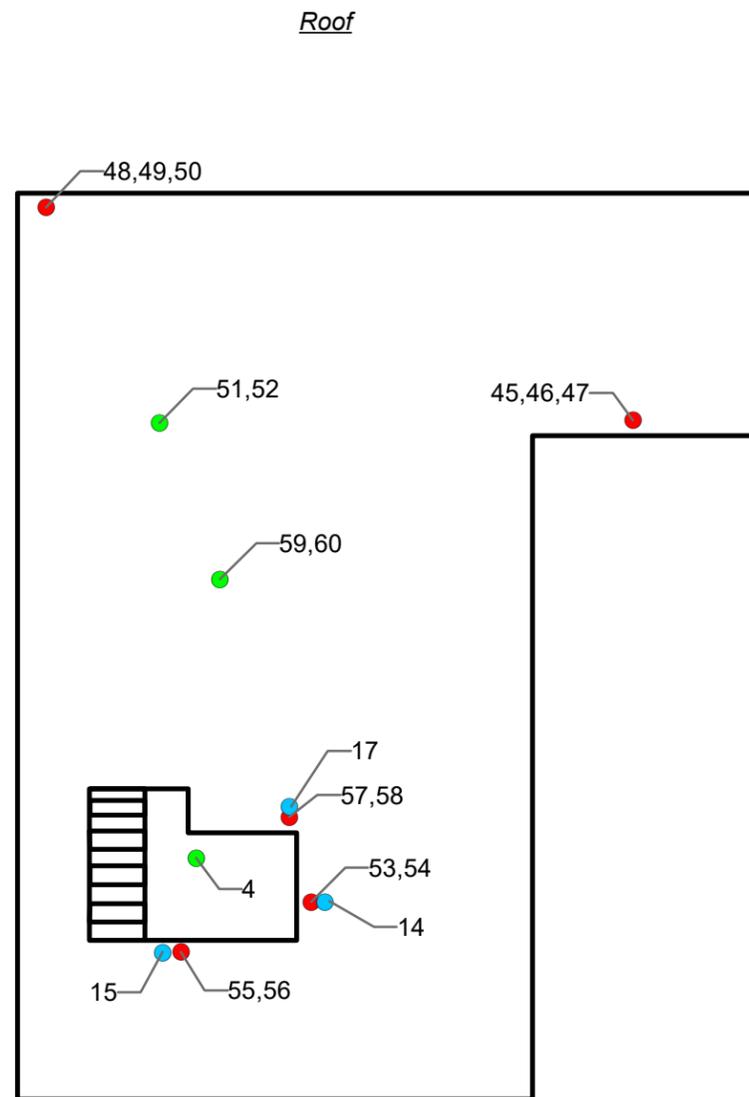
Date: 8/14/2023 Drawn By: Susmita Shrestha Project No: 103265210190

Sample Key Table

Key	Sample No.
Asbestos	
1	C-VFT1-01
2	C-VFT1-02
3	C-VFT1-03
4	C-VI-01
5	C-PL-01
6	C-PL-02
7	C-PL-03
8	C-PL-04
9	C-PL-05
10	C-PL-06
11	C-PL-07
12	C-DWJC-01
13	C-DWJC-02
14	C-DWJC-03
15	C-TSI-01
16	C-TSI-02
17	C-TSI-03
18	C-WM-01
19	C-WM-02
20	C-WM-03
21	C-WI-01
22	C-WI-02
23	C-WI-03
24	C-WG1-01
25	C-WG1-02
26	C-WG1-03
27	C-VFT2-01
28	C-VFT2-02
29	C-VFT2-03
30	C-CT-01
31	C-CT-02
32	C-CT-03
33	C-CBM1-01
34	C-CBM1-02
35	C-CBM1-03
36	C-CBM2-01
37	C-CBM2-02
38	C-CBM2-03
39	C-TF-01
40	C-TF-02
41	C-TF-03
42	C-PWC-01
43	C-PWC-02
44	C-PWC-03
45	C-RF1-01
46	C-RF1-02
47	C-RF1-03
48	C-RF2-1
49	C-RF2-2
50	C-RF2-3

Sample Key Table

Key	Sample No.
Asbestos	
51	C-RC-01
52	C-RC-02
53	C-WC-01
54	C-WC-02
55	C-WC2-01
56	C-WC2-02
57	C-EJC-01
58	C-EJC-02
59	C-WG2-01
60	C-WG2-02
61	C-WC3-01
62	C-WC3-02
63	C-WC3-03
64	C-SL-01
65	C-SL-02
66	C-SL-03
67	C-DC-01
68	C-DC-02
69	C-DC-03
PCB	
13	C-DC-01
14	C-WC1-01
15	C-WC2-01
16	C-WC3-01
17	C-EJC-01



Legend

All sample points for the building are tabulated above, including points on other floors. Red text indicates confirmed asbestos-containing material (ACM). Green text indicates confirmed polychlorinated biphenyls (PCB).

- Asbestos-Containing Material Sample Location
- Non-Asbestos-Containing Material Sample Location
- PCB Sample Location



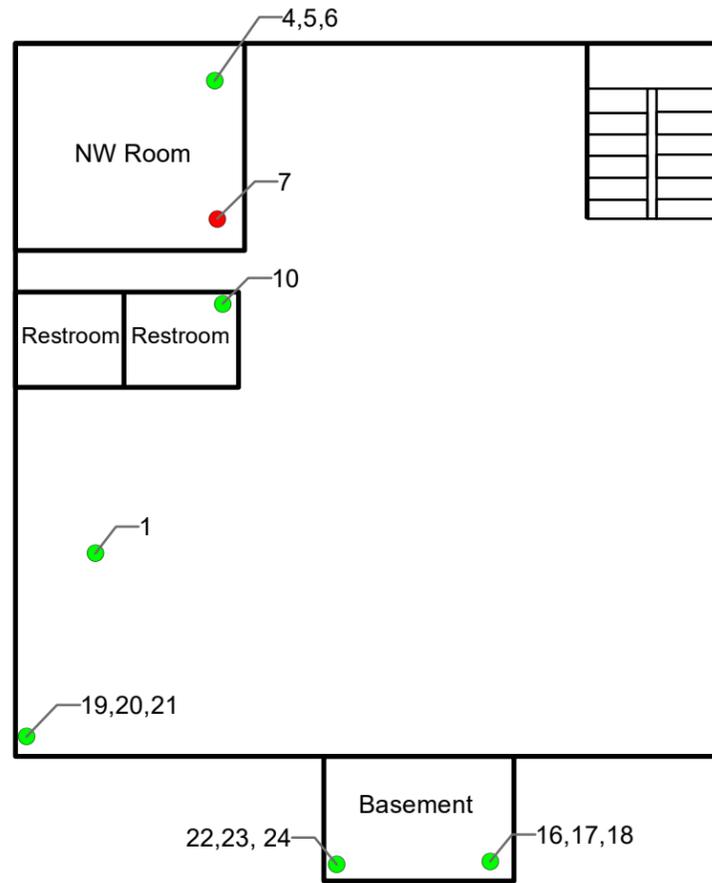
Boys and Girls Home
2101 Court St, Sioux City, IA 51104

Figure 12 - Chapel
Asbestos Location Map

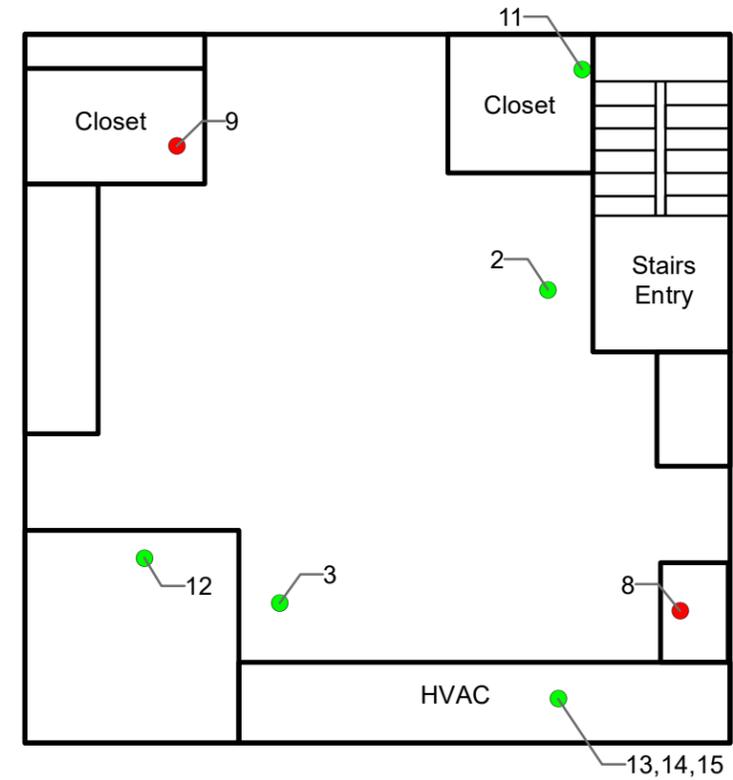
Sample Key Table

Key	Sample No.
Asbestos	
1	LB-CT1-01
2	LB-CT1-02
3	LB-CT1-03
4	LB-CT2-01
5	LB-CT2-02
6	LB-CT2-03
7	LB-VFT1-01
8	LB-VFT1-02
9	LB-VFT1-03
10	LB-PL-01
11	LB-PL-02
12	LB-PL-03
13	LB-VI-01
14	LB-VI-02
15	LB-VI-03
16	LB-RS1-01
17	LB-RS1-02
18	LB-RS1-03
19	LB-RS2-01
20	LB-RS2-02
21	LB-RS2-03
22	LB-ASR-01
23	LB-ASR-02
24	LB-ASR-03

First Floor



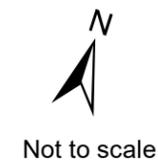
Second Floor



Legend

Red text indicates confirmed asbestos-containing material (ACM).

- Asbestos-Containing Material Sample Location
- Non-Asbestos-Containing Material Sample Location



Boys and Girls Home
2101 Court St, Sioux City, IA 51104

Figure 13 - Library
Asbestos Location Map



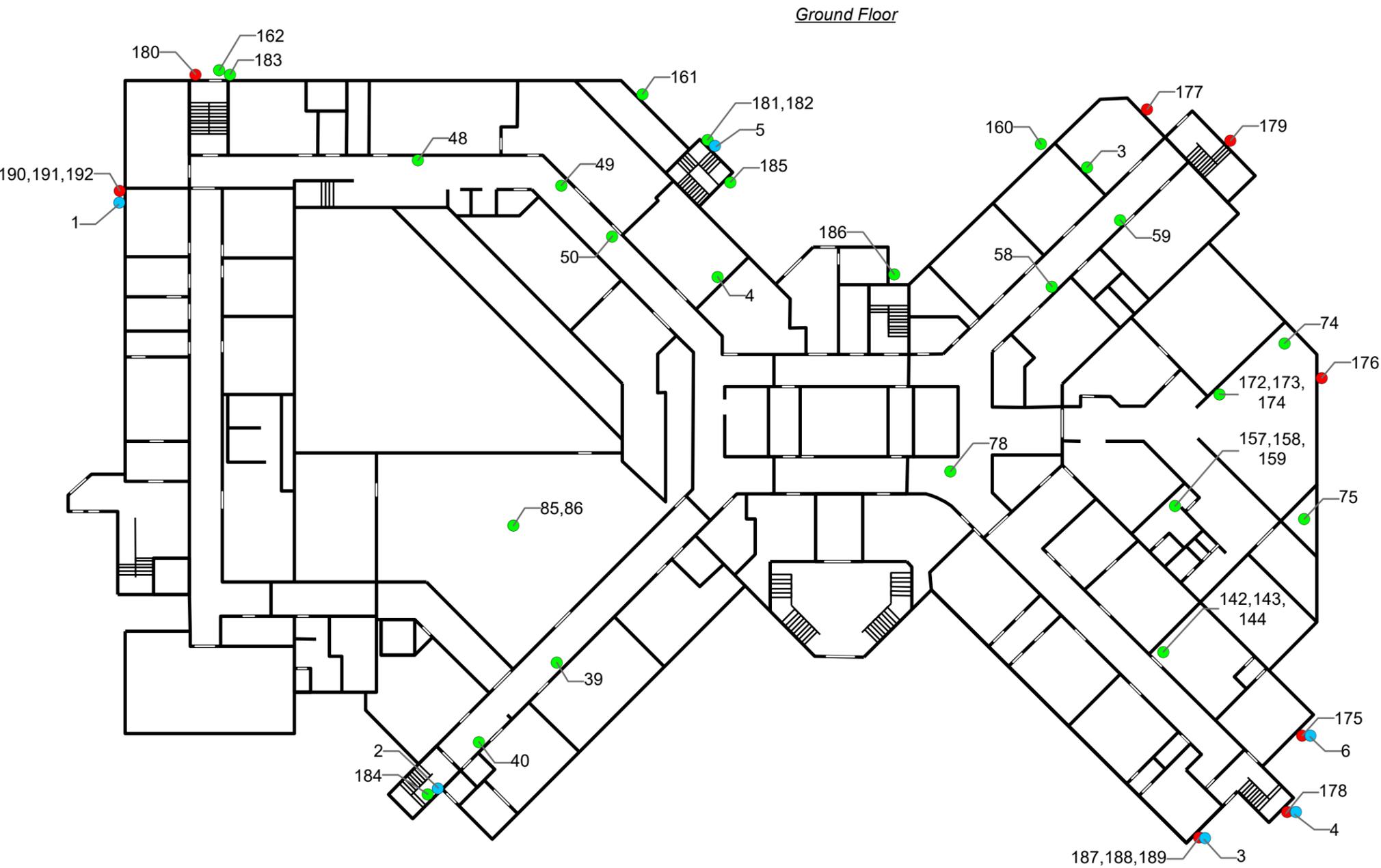
TETRA TECH



TOEROEK ASSOCIATES, INC.

Sample Key Table		Sample Key Table	
Key	Sample No.	Key	Sample No.
Asbestos			
1	MB-DWJC-01	71	MB-CT3-03
2	MB-DWJC-02	72	MB-CT4-01
3	MB-DWJC-03	73	MB-CT4-02
4	MB-DWJC-04	74	MB-CT4-03
5	MB-DWJC-05	75	MB-CT5-01
6	MB-DWJC-06	76	MB-CT5-02
7	MB-DWJC-07	77	MB-CT5-03
8	MB-PLASTER-01	78	MB-TF-01
9	MB-PLASTER-02	79	MB-TF-02
10	MB-PLASTER-03	80	MB-TF-03
11	MB-PLASTER-04	81	MB-TF-04
12	MB-PLASTER-05	82	MB-TF-05
13	MB-PLASTER-06	83	MB-TF-06
14	MB-PLASTER-07	84	MB-TF-07
15	MB-SV1-01	85	MB-CT6-01
16	MB-SV1-02	86	MB-CT6-02
17	MB-SV1-03	87	MB-CT6-03
18	MB-SU1-01	88	MB-DS-01
19	MB-SU1-02	89	MB-DS-02
20	MB-SU1-03	90	MB-DS-03
21	MB-VCB1-01	91	MB-CT7-01
22	MB-VCB1-02	92	MB-CT7-02
23	MB-VCB1-03	93	MB-CT7-03
24	MB-VCB2-01	94	MB-GD-01
25	MB-VCB2-02	95	MB-GD-02
26	MB-VCB2-03	96	MB-GD-03
27	MB-VCB3-01	97	MB-TS11-01
28	MB-VCB3-02	98	MB-TS11-02
29	MB-VCB3-03	99	MB-TS11-03
30	MB-VCB4-01	100	MB-TS21-01
31	MB-VCB4-02	101	MB-TS21-02
32	MB-VCB4-03	102	MB-TS21-03
33	MB-VCB5-01	103	MB-VFT1-01
34	MB-VCB5-02	104	MB-VFT1-02
35	MB-VCB5-03	105	MB-VFT1-03
36	MB-VCB6-01	106	MB-VFT2-01
37	MB-VCB6-02	107	MB-VFT2-02
38	MB-VCB6-03	108	MB-VFT2-03
39	MB-VCB7-01	109	MB-VFT3-01
40	MB-VCB7-02	110	MB-VFT3-02
41	MB-VCB7-03	111	MB-VFT3-03
42	MB-VCB8-01	112	MB-VFT4-01
43	MB-VCB8-02	113	MB-VFT4-02
44	MB-VCB8-03	114	MB-VFT4-03
45	MB-VCB9-01	115	MB-VFT5-01
46	MB-VCB9-02	116	MB-VFT5-02
47	MB-VCB9-03	117	MB-VFT5-03
48	MB-VCB10-01	118	MB-VFT6-01
49	MB-VCB10-02	119	MB-VFT6-02
50	MB-VCB10-03	120	MB-VFT6-03
51	MB-VCB11-01	121	MB-VFT7-01
52	MB-VCB11-02	122	MB-VFT7-02
53	MB-VCB11-03	123	MB-VFT7-03
54	MB-VCB12-01	124	MB-VFT8-01
55	MB-VCB12-02	125	MB-VFT8-02
56	MB-VCB12-03	126	MB-VFT8-03
57	MB-VCB13-01	127	MB-VFT9-01
58	MB-VCB13-02	128	MB-VFT9-02
59	MB-VCB13-03	129	MB-VFT9-03
60	MB-VCB14-01	130	MB-VFT10-01
61	MB-VCB14-02	131	MB-VFT10-02
62	MB-VCB14-03	132	MB-VFT10-03
63	MB-CT1-01	133	MB-VFT11-01
64	MB-CT1-02	134	MB-VFT11-02
65	MB-CT1-03	135	MB-VFT11-03
66	MB-CT2-01	136	MB-VFT12-01
67	MB-CT2-02	137	MB-VFT12-02
68	MB-CT2-03	138	MB-VFT12-03
69	MB-CT3-01	139	MB-VFT13-01
70	MB-CT3-02	140	MB-VFT13-02

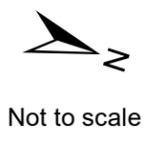
Sample Key Table	
Key	Sample No.
Asbestos	
141	MB-VFT13-03
142	MB-VFT14-01
143	MB-VFT14-02
144	MB-VFT14-03
145	MB-VFT15-01
146	MB-VFT15-02
147	MB-VFT15-03
148	MB-VFT16-01
149	MB-VFT16-02
150	MB-VFT16-03
151	MB-SC-01
152	MB-SC-02
153	MB-SC-03
154	MB-WPM-01
155	MB-WPM-02
156	MB-WPM-03
157	MB-CTM-01
158	MB-CTM-02
159	MB-CTM-03
160	MB-WG1-01
161	MB-WG1-02
162	MB-WG1-03
163	MB-VCB15-01
164	MB-VCB15-02
165	MB-VCB15-03
166	MB-SO-01
167	MB-SO-02
168	MB-SO-03
169	MB-DC2-01
170	MB-DC2-02
171	MB-DC2-03
172	MB-SU2-01
173	MB-SU2-02
174	MB-SU2-03
175	MB-WC-01
176	MB-WC-02
177	MB-WC-03
178	MB-DC-01
179	MB-DC-02
180	MB-DC-03
181	MB-CLK-01
182	MB-CLK-02
183	MB-CLK-03
187	MB-CLK2-01
188	MB-CLK2-02
189	MB-CLK2-03
190	MB-EJ-01
191	MB-EJ-02
192	MB-EJ-03
PCB	
1	MB-EJ-01
2	MB-CLK-01
3	MB-CLK2-01
4	MB-DC-01
5	MB-DC2-02
6	MB-WC1-01



Legend

All sample points for the building are tabulated above, including points on other floors. Red text indicates confirmed asbestos-containing material (ACM).

- Asbestos-Containing Material Sample Location
- Non-Asbestos-Containing Material Sample Location
- Polychlorinated Biphenyl Sample Location



Boys and Girls Home
2101 Court St, Sioux City, IA 51104

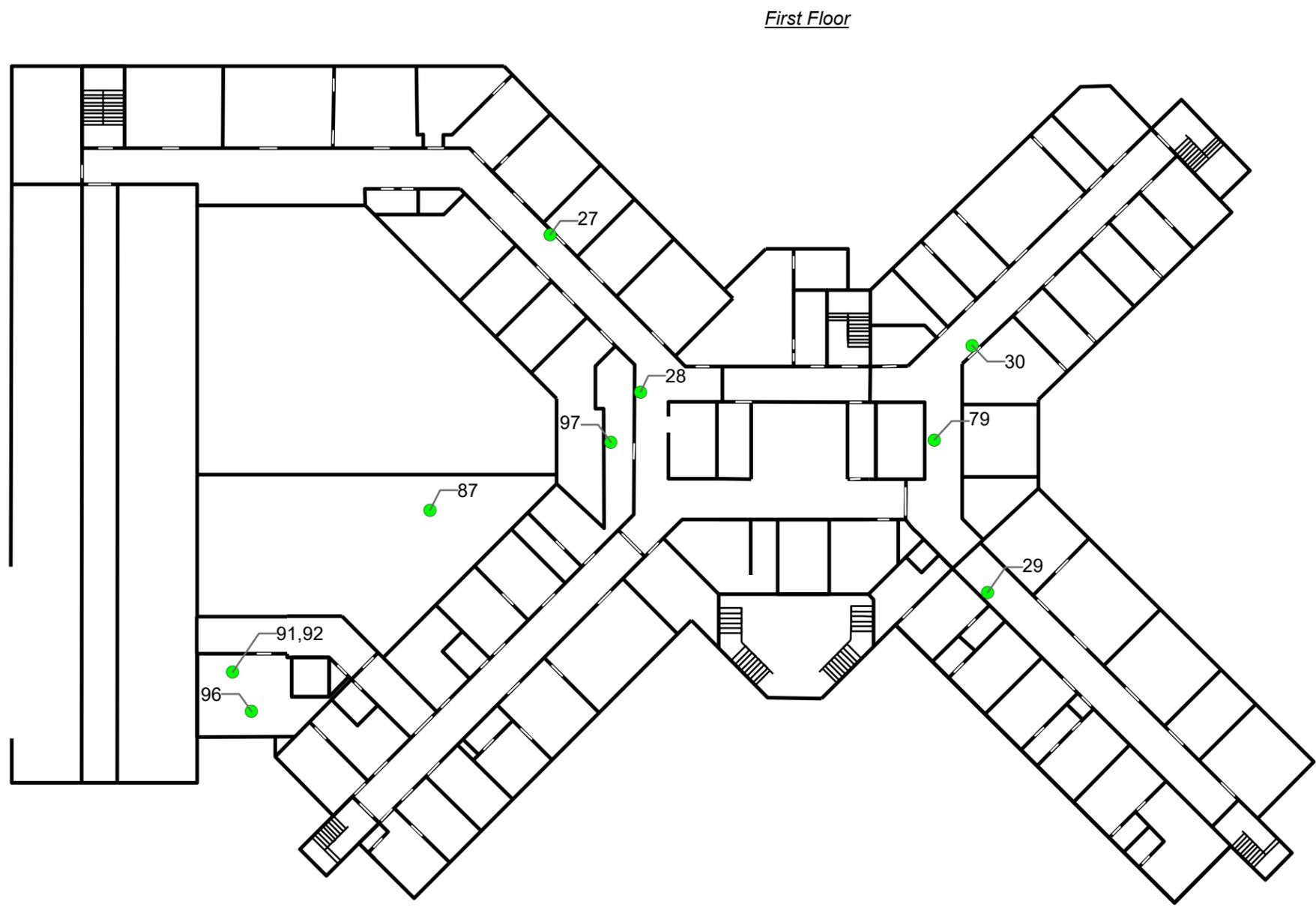
Figure 14 - Main Building
Asbestos Location Map

Date: 8/16/2023
Drawn By: Susmita Shrestha
Project No: 103265210190

C:\XG\652\10190\17_03\md\MainBuilding_GroundFloor.mxd

Sample Key Table		Sample Key Table	
Key	Sample No.	Key	Sample No.
Asbestos			
1	MB-DWJC-01	71	MB-CT3-03
2	MB-DWJC-02	72	MB-CT4-01
3	MB-DWJC-03	73	MB-CT4-02
4	MB-DWJC-04	74	MB-CT4-03
5	MB-DWJC-05	75	MB-CT5-01
6	MB-DWJC-06	76	MB-CT5-02
7	MB-DWJC-07	77	MB-CT5-03
8	MB-PLASTER-01	78	MB-TF-01
9	MB-PLASTER-02	79	MB-TF-02
10	MB-PLASTER-03	80	MB-TF-03
11	MB-PLASTER-04	81	MB-TF-04
12	MB-PLASTER-05	82	MB-TF-05
13	MB-PLASTER-06	83	MB-TF-06
14	MB-PLASTER-07	84	MB-TF-07
15	MB-SV1-01	85	MB-CT6-01
16	MB-SV1-02	86	MB-CT6-02
17	MB-SV1-03	87	MB-CT6-03
18	MB-SU1-01	88	MB-DS-01
19	MB-SU1-02	89	MB-DS-02
20	MB-SU1-03	90	MB-DS-03
21	MB-VCB1-01	91	MB-CT7-01
22	MB-VCB1-02	92	MB-CT7-02
23	MB-VCB1-03	93	MB-CT7-03
24	MB-VCB2-01	94	MB-GD-01
25	MB-VCB2-02	95	MB-GD-02
26	MB-VCB2-03	96	MB-GD-03
27	MB-VCB3-01	97	MB-TS1-01
28	MB-VCB3-02	98	MB-TS1-02
29	MB-VCB3-03	99	MB-TS1-03
30	MB-VCB4-01	100	MB-TS2-01
31	MB-VCB4-02	101	MB-TS2-02
32	MB-VCB4-03	102	MB-TS2-03
33	MB-VCB5-01	103	MB-VFT1-01
34	MB-VCB5-02	104	MB-VFT1-02
35	MB-VCB5-03	105	MB-VFT1-03
36	MB-VCB6-01	106	MB-VFT2-01
37	MB-VCB6-02	107	MB-VFT2-02
38	MB-VCB6-03	108	MB-VFT2-03
39	MB-VCB7-01	109	MB-VFT3-01
40	MB-VCB7-02	110	MB-VFT3-02
41	MB-VCB7-03	111	MB-VFT3-03
42	MB-VCB8-01	112	MB-VFT4-01
43	MB-VCB8-02	113	MB-VFT4-02
44	MB-VCB8-03	114	MB-VFT4-03
45	MB-VCB9-01	115	MB-VFT5-01
46	MB-VCB9-02	116	MB-VFT5-02
47	MB-VCB9-03	117	MB-VFT5-03
48	MB-VCB10-01	118	MB-VFT6-01
49	MB-VCB10-02	119	MB-VFT6-02
50	MB-VCB10-03	120	MB-VFT6-03
51	MB-VCB11-01	121	MB-VFT7-01
52	MB-VCB11-02	122	MB-VFT7-02
53	MB-VCB11-03	123	MB-VFT7-03
54	MB-VCB12-01	124	MB-VFT8-01
55	MB-VCB12-02	125	MB-VFT8-02
56	MB-VCB12-03	126	MB-VFT8-03
57	MB-VCB13-01	127	MB-VFT9-01
58	MB-VCB13-02	128	MB-VFT9-02
59	MB-VCB13-03	129	MB-VFT9-03
60	MB-VCB14-01	130	MB-VFT10-01
61	MB-VCB14-02	131	MB-VFT10-02
62	MB-VCB14-03	132	MB-VFT10-03
63	MB-CT1-01	133	MB-VFT11-01
64	MB-CT1-02	134	MB-VFT11-02
65	MB-CT1-03	135	MB-VFT11-03
66	MB-CT2-01	136	MB-VFT12-01
67	MB-CT2-02	137	MB-VFT12-02
68	MB-CT2-03	138	MB-VFT12-03
69	MB-CT3-01	139	MB-VFT13-01
70	MB-CT3-02	140	MB-VFT13-02

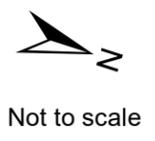
Sample Key Table	
Key	Sample No.
Asbestos	
141	MB-VFT13-03
142	MB-VFT14-01
143	MB-VFT14-02
144	MB-VFT14-03
145	MB-VFT15-01
146	MB-VFT15-02
147	MB-VFT15-03
148	MB-VFT16-01
149	MB-VFT16-02
150	MB-VFT16-03
151	MB-SC-01
152	MB-SC-02
153	MB-SC-03
154	MB-WPM-01
155	MB-WPM-02
156	MB-WPM-03
157	MB-CTM-01
158	MB-CTM-02
159	MB-CTM-03
160	MB-WG1-01
161	MB-WG1-02
162	MB-WG1-03
163	MB-VCB15-01
164	MB-VCB15-02
165	MB-VCB15-03
166	MB-SO-01
167	MB-SO-02
168	MB-SO-03
169	MB-DC2-01
170	MB-DC2-02
171	MB-DC2-03
172	MB-SU2-01
173	MB-SU2-02
174	MB-SU2-03
175	MB-WC-01
176	MB-WC-02
177	MB-WC-03
178	MB-DC-01
179	MB-DC-02
180	MB-DC-03
181	MB-DC2-01
182	MB-DC2-02
183	MB-DC2-03
184	MB-CLK-01
185	MB-CLK-02
186	MB-CLK-03
187	MB-CLK2-01
188	MB-CLK2-02
189	MB-CLK2-03
190	MB-EJ-01
191	MB-EJ-02
192	MB-EJ-03
PCB	
1	MB-EJ-01
2	MB-CLK-01
3	MB-CLK2-01
4	MB-DC-01
5	MB-DC2-02
6	MB-WC1-01



Legend

All sample points for the building are tabulated above, including points on other floors. Red text indicates confirmed asbestos-containing material (ACM).

● Non-Asbestos-Containing Material Sample Location



Boys and Girls Home
2101 Court St, Sioux City, IA 51104

Figure 15 - Main Building
Asbestos Location Map

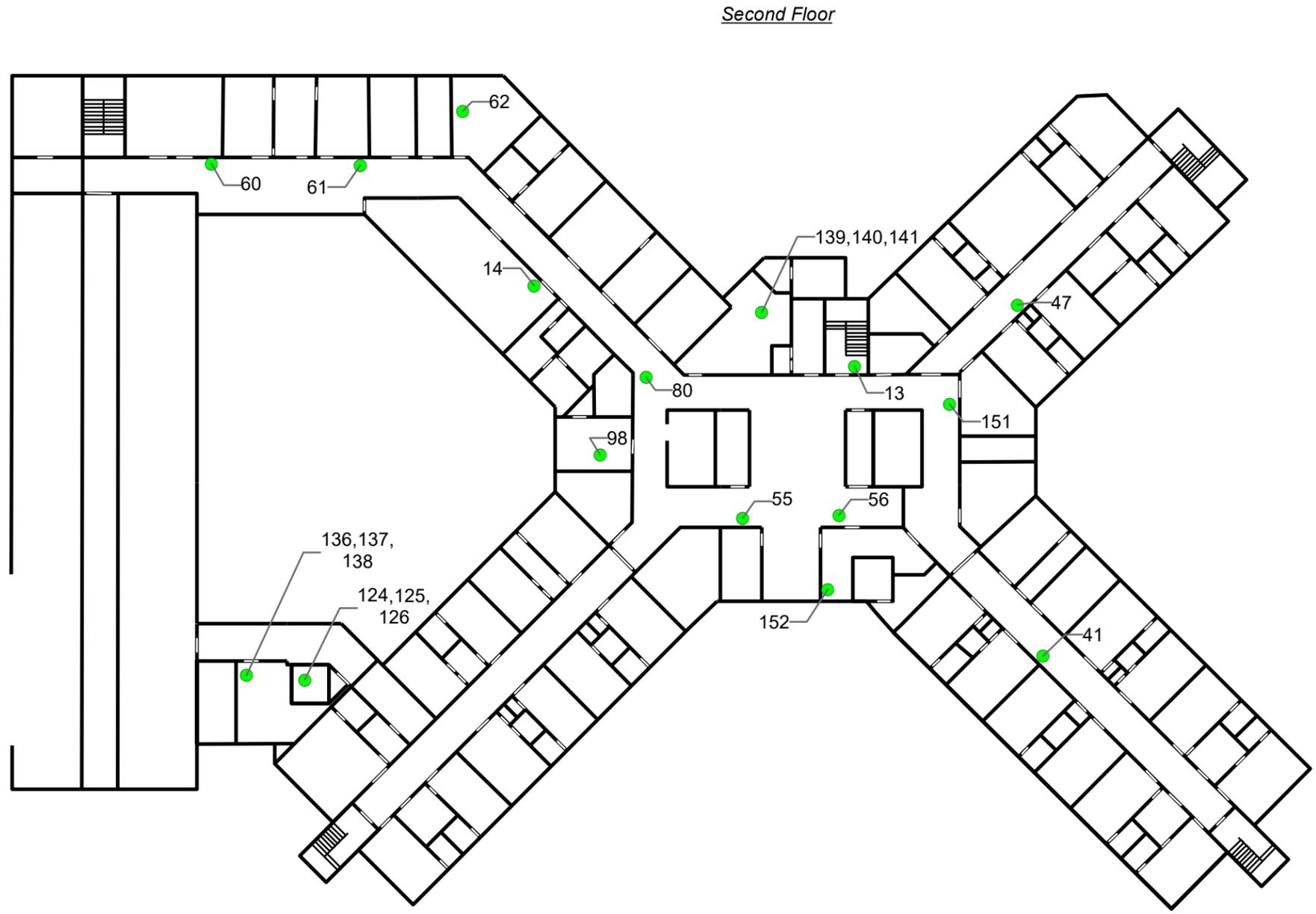



Date: 8/14/2023
Drawn By: Susmita Shrestha
Project No: 103265210190

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Sample Key Table		Sample Key Table	
Key	Sample No.	Key	Sample No.
Asbestos			
1	MB-DWJC-01	71	MB-CT3-03
2	MB-DWJC-02	72	MB-CT4-01
3	MB-DWJC-03	73	MB-CT4-02
4	MB-DWJC-04	74	MB-CT4-03
5	MB-DWJC-05	75	MB-CT5-01
6	MB-DWJC-06	76	MB-CT5-02
7	MB-DWJC-07	77	MB-CT5-03
8	MB-PLASTER-01	78	MB-TF-01
9	MB-PLASTER-02	79	MB-TF-02
10	MB-PLASTER-03	80	MB-TF-03
11	MB-PLASTER-04	81	MB-TF-04
12	MB-PLASTER-05	82	MB-TF-05
13	MB-PLASTER-06	83	MB-TF-06
14	MB-PLASTER-07	84	MB-TF-07
15	MB-SV1-01	85	MB-CT6-01
16	MB-SV1-02	86	MB-CT6-02
17	MB-SV1-03	87	MB-CT6-03
18	MB-SU1-01	88	MB-DS-01
19	MB-SU1-02	89	MB-DS-02
20	MB-SU1-03	90	MB-DS-03
21	MB-VCB1-01	91	MB-CT7-01
22	MB-VCB1-02	92	MB-CT7-02
23	MB-VCB1-03	93	MB-CT7-03
24	MB-VCB2-01	94	MB-GD-01
25	MB-VCB2-02	95	MB-GD-02
26	MB-VCB2-03	96	MB-GD-03
27	MB-VCB3-01	97	MB-TS1-01
28	MB-VCB3-02	98	MB-TS1-02
29	MB-VCB3-03	99	MB-TS1-03
30	MB-VCB4-01	100	MB-TS2-01
31	MB-VCB4-02	101	MB-TS2-02
32	MB-VCB4-03	102	MB-TS2-03
33	MB-VCB5-01	103	MB-VFT1-01
34	MB-VCB5-02	104	MB-VFT1-02
35	MB-VCB5-03	105	MB-VFT1-03
36	MB-VCB6-01	106	MB-VFT2-01
37	MB-VCB6-02	107	MB-VFT2-02
38	MB-VCB6-03	108	MB-VFT2-03
39	MB-VCB7-01	109	MB-VFT3-01
40	MB-VCB7-02	110	MB-VFT3-02
41	MB-VCB7-03	111	MB-VFT3-03
42	MB-VCB8-01	112	MB-VFT4-01
43	MB-VCB8-02	113	MB-VFT4-02
44	MB-VCB8-03	114	MB-VFT4-03
45	MB-VCB9-01	115	MB-VFT5-01
46	MB-VCB9-02	116	MB-VFT5-02
47	MB-VCB9-03	117	MB-VFT5-03
48	MB-VCB10-01	118	MB-VFT6-01
49	MB-VCB10-02	119	MB-VFT6-02
50	MB-VCB10-03	120	MB-VFT6-03
51	MB-VCB11-01	121	MB-VFT7-01
52	MB-VCB11-02	122	MB-VFT7-02
53	MB-VCB11-03	123	MB-VFT7-03
54	MB-VCB12-01	124	MB-VFT8-01
55	MB-VCB12-02	125	MB-VFT8-02
56	MB-VCB12-03	126	MB-VFT8-03
57	MB-VCB13-01	127	MB-VFT9-01
58	MB-VCB13-02	128	MB-VFT9-02
59	MB-VCB13-03	129	MB-VFT9-03
60	MB-VCB14-01	130	MB-VFT10-01
61	MB-VCB14-02	131	MB-VFT10-02
62	MB-VCB14-03	132	MB-VFT10-03
63	MB-CT1-01	133	MB-VFT11-01
64	MB-CT1-02	134	MB-VFT11-02
65	MB-CT1-03	135	MB-VFT11-03
66	MB-CT2-01	136	MB-VFT12-01
67	MB-CT2-02	137	MB-VFT12-02
68	MB-CT2-03	138	MB-VFT12-03
69	MB-CT3-01	139	MB-VFT13-01
70	MB-CT3-02	140	MB-VFT13-02

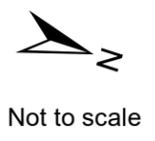
Sample Key Table	
Key	Sample No.
Asbestos	
141	MB-VFT13-03
142	MB-VFT14-01
143	MB-VFT14-02
144	MB-VFT14-03
145	MB-VFT15-01
146	MB-VFT15-02
147	MB-VFT15-03
148	MB-VFT16-01
149	MB-VFT16-02
150	MB-VFT16-03
151	MB-SC-01
152	MB-SC-02
153	MB-SC-03
154	MB-WPM-01
155	MB-WPM-02
156	MB-WPM-03
157	MB-CTM-01
158	MB-CTM-02
159	MB-CTM-03
160	MB-WG1-01
161	MB-WG1-02
162	MB-WG1-03
163	MB-VCB15-01
164	MB-VCB15-02
165	MB-VCB15-03
166	MB-SO-01
167	MB-SO-02
168	MB-SO-03
169	MB-DC2-01
170	MB-DC2-02
171	MB-DC2-03
172	MB-SU2-01
173	MB-SU2-02
174	MB-SU2-03
175	MB-WC-01
176	MB-WC-02
177	MB-WC-03
178	MB-DC-01
179	MB-DC-02
180	MB-DC-03
181	MB-CLK-01
182	MB-CLK-02
183	MB-CLK-03
187	MB-CLK2-01
188	MB-CLK2-02
189	MB-CLK2-03
190	MB-EJ-01
191	MB-EJ-02
192	MB-EJ-03
PCB	
1	MB-EJ-01
2	MB-CLK-01
3	MB-CLK2-01
4	MB-DC-01
5	MB-DC2-02
6	MB-WC1-01



Legend

All sample points for the building are tabulated above, including points on other floors. Red text indicates confirmed asbestos-containing material (ACM).

● Non-Asbestos-Containing Material Sample Location



Boys and Girls Home
2101 Court St, Sioux City, IA 51104

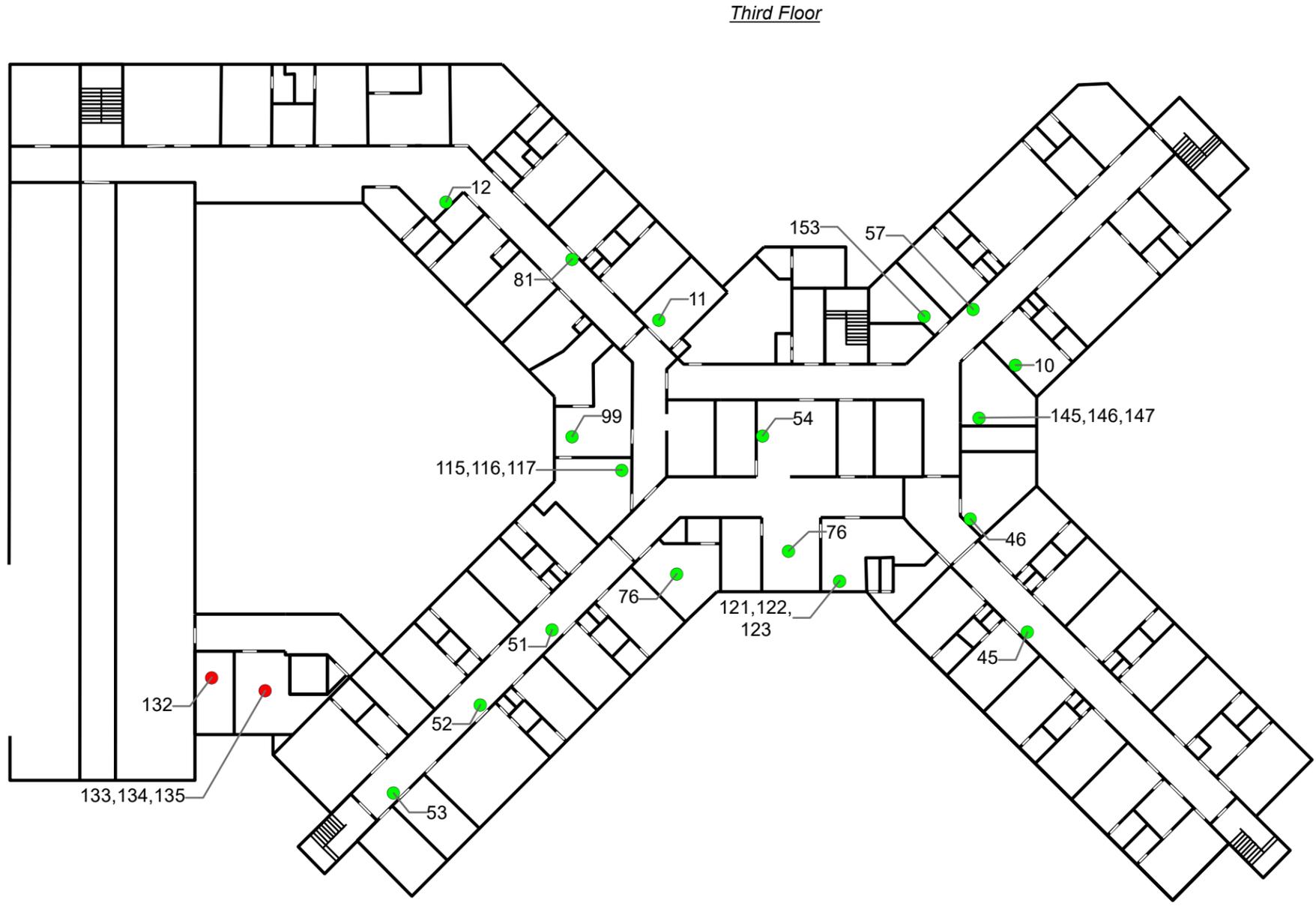
Figure 16 - Main Building
Asbestos Location Map

Date: 8/14/2023 Drawn By: Susmita Shrestha Project No: 103265210190

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Sample Key Table		Sample Key Table	
Key	Sample No.	Key	Sample No.
Asbestos			
1	MB-DWJC-01	71	MB-CT3-03
2	MB-DWJC-02	72	MB-CT4-01
3	MB-DWJC-03	73	MB-CT4-02
4	MB-DWJC-04	74	MB-CT4-03
5	MB-DWJC-05	75	MB-CT5-01
6	MB-DWJC-06	76	MB-CT5-02
7	MB-DWJC-07	77	MB-CT5-03
8	MB-PLASTER-01	78	MB-TF-01
9	MB-PLASTER-02	79	MB-TF-02
10	MB-PLASTER-03	80	MB-TF-03
11	MB-PLASTER-04	81	MB-TF-04
12	MB-PLASTER-05	82	MB-TF-05
13	MB-PLASTER-06	83	MB-TF-06
14	MB-PLASTER-07	84	MB-TF-07
15	MB-SV1-01	85	MB-CT6-01
16	MB-SV1-02	86	MB-CT6-02
17	MB-SV1-03	87	MB-CT6-03
18	MB-SU1-01	88	MB-DS-01
19	MB-SU1-02	89	MB-DS-02
20	MB-SU1-03	90	MB-DS-03
21	MB-VCB1-01	91	MB-CT7-01
22	MB-VCB1-02	92	MB-CT7-02
23	MB-VCB1-03	93	MB-CT7-03
24	MB-VCB2-01	94	MB-GD-01
25	MB-VCB2-02	95	MB-GD-02
26	MB-VCB2-03	96	MB-GD-03
27	MB-VCB3-01	97	MB-TS1-01
28	MB-VCB3-02	98	MB-TS1-02
29	MB-VCB3-03	99	MB-TS1-03
30	MB-VCB4-01	100	MB-TS2-01
31	MB-VCB4-02	101	MB-TS2-02
32	MB-VCB4-03	102	MB-TS2-03
33	MB-VCB5-01	103	MB-VFT1-01
34	MB-VCB5-02	104	MB-VFT1-02
35	MB-VCB5-03	105	MB-VFT1-03
36	MB-VCB6-01	106	MB-VFT2-01
37	MB-VCB6-02	107	MB-VFT2-02
38	MB-VCB6-03	108	MB-VFT2-03
39	MB-VCB7-01	109	MB-VFT3-01
40	MB-VCB7-02	110	MB-VFT3-02
41	MB-VCB7-03	111	MB-VFT3-03
42	MB-VCB8-01	112	MB-VFT4-01
43	MB-VCB8-02	113	MB-VFT4-02
44	MB-VCB8-03	114	MB-VFT4-03
45	MB-VCB9-01	115	MB-VFT5-01
46	MB-VCB9-02	116	MB-VFT5-02
47	MB-VCB9-03	117	MB-VFT5-03
48	MB-VCB10-01	118	MB-VFT6-01
49	MB-VCB10-02	119	MB-VFT6-02
50	MB-VCB10-03	120	MB-VFT6-03
51	MB-VCB11-01	121	MB-VFT7-01
52	MB-VCB11-02	122	MB-VFT7-02
53	MB-VCB11-03	123	MB-VFT7-03
54	MB-VCB12-01	124	MB-VFT8-01
55	MB-VCB12-02	125	MB-VFT8-02
56	MB-VCB12-03	126	MB-VFT8-03
57	MB-VCB13-01	127	MB-VFT9-01
58	MB-VCB13-02	128	MB-VFT9-02
59	MB-VCB13-03	129	MB-VFT9-03
60	MB-VCB14-01	130	MB-VFT10-01
61	MB-VCB14-02	131	MB-VFT10-02
62	MB-VCB14-03	132	MB-VFT10-03
63	MB-CT1-01	133	MB-VFT11-01
64	MB-CT1-02	134	MB-VFT11-02
65	MB-CT1-03	135	MB-VFT11-03
66	MB-CT2-01	136	MB-VFT12-01
67	MB-CT2-02	137	MB-VFT12-02
68	MB-CT2-03	138	MB-VFT12-03
69	MB-CT3-01	139	MB-VFT13-01
70	MB-CT3-02	140	MB-VFT13-02

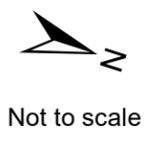
Sample Key Table	
Key	Sample No.
Asbestos	
141	MB-VFT13-03
142	MB-VFT14-01
143	MB-VFT14-02
144	MB-VFT14-03
145	MB-VFT15-01
146	MB-VFT15-02
147	MB-VFT15-03
148	MB-VFT16-01
149	MB-VFT16-02
150	MB-VFT16-03
151	MB-SC-01
152	MB-SC-02
153	MB-SC-03
154	MB-WPM-01
155	MB-WPM-02
156	MB-WPM-03
157	MB-CTM-01
158	MB-CTM-02
159	MB-CTM-03
160	MB-WG1-01
161	MB-WG1-02
162	MB-WG1-03
163	MB-VCB15-01
164	MB-VCB15-02
165	MB-VCB15-03
166	MB-SO-01
167	MB-SO-02
168	MB-SO-03
169	MB-DC2-01
170	MB-DC2-02
171	MB-DC2-03
172	MB-SU2-01
173	MB-SU2-02
174	MB-SU2-03
175	MB-WC-01
176	MB-WC-02
177	MB-WC-03
178	MB-DC-01
179	MB-DC-02
180	MB-DC-03
181	MB-CLK-01
182	MB-CLK-02
183	MB-CLK-03
184	MB-CLK-01
185	MB-CLK-02
186	MB-CLK-03
187	MB-CLK2-01
188	MB-CLK2-02
189	MB-CLK2-03
190	MB-EJ-01
191	MB-EJ-02
192	MB-EJ-03
PCB	
1	MB-EJ-01
2	MB-CLK-01
3	MB-CLK2-01
4	MB-DC-01
5	MB-DC2-02
6	MB-WC-01



Legend

All sample points for the building are tabulated above, including points on other floors. Red text indicates confirmed asbestos-containing material (ACM).

- Asbestos-Containing Material Sample Location
- Non-Asbestos-Containing Material Sample Location



Boys and Girls Home
2101 Court St, Sioux City, IA 51104

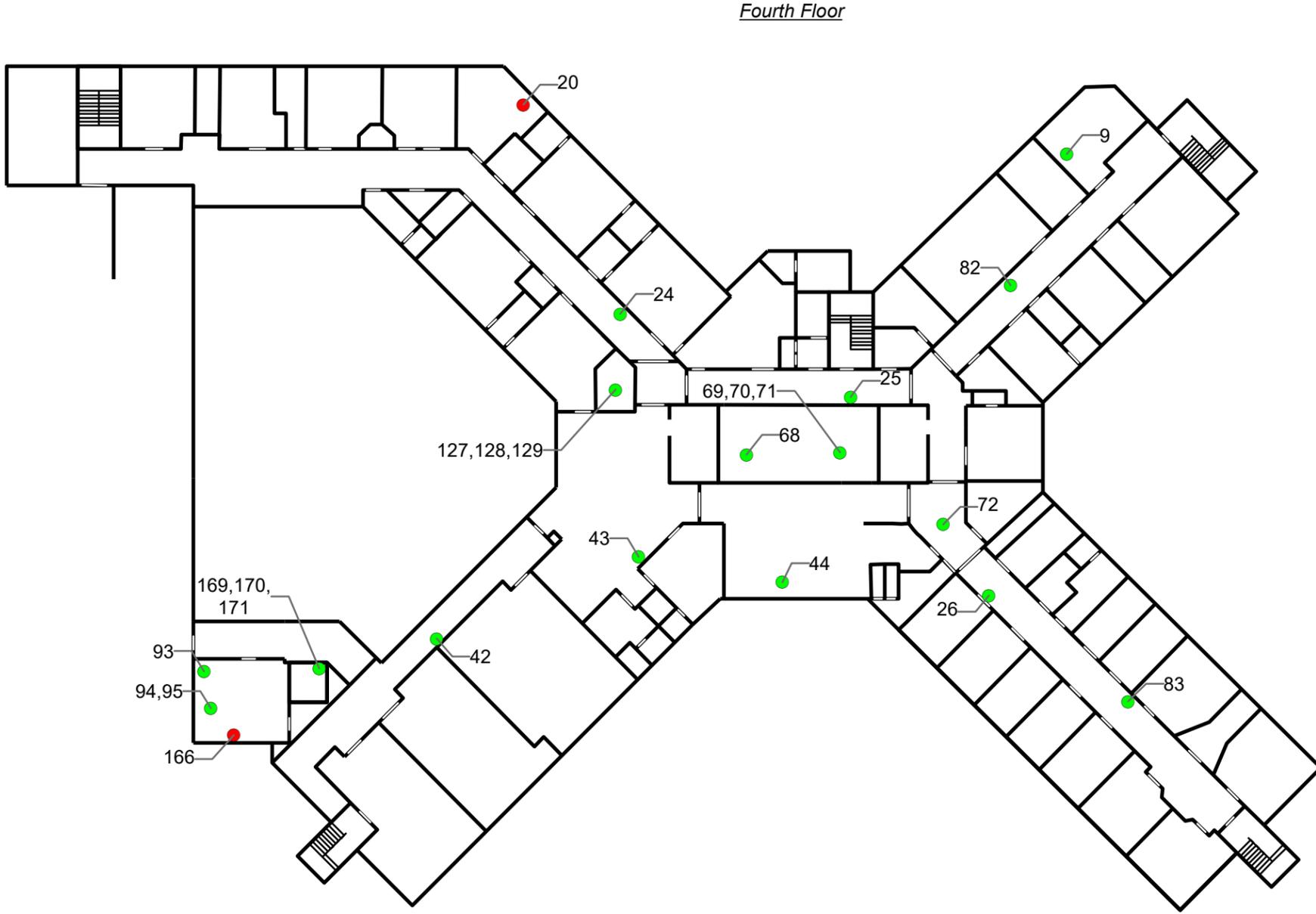
Figure 17 - Main Building
Asbestos Location Map

Date: 8/14/2023
Drawn By: Susmita Shrestha
Project No: 103265210190

C:\XG\652\10190\17_03\mbd\MainBuilding3.mxd

Sample Key Table		Sample Key Table	
Key	Sample No.	Key	Sample No.
Asbestos			
1	MB-DWJC-01	71	MB-CT3-03
2	MB-DWJC-02	72	MB-CT4-01
3	MB-DWJC-03	73	MB-CT4-02
4	MB-DWJC-04	74	MB-CT4-03
5	MB-DWJC-05	75	MB-CT5-01
6	MB-DWJC-06	76	MB-CT5-02
7	MB-DWJC-07	77	MB-CT5-03
8	MB-PLASTER-01	78	MB-TF-01
9	MB-PLASTER-02	79	MB-TF-02
10	MB-PLASTER-03	80	MB-TF-03
11	MB-PLASTER-04	81	MB-TF-04
12	MB-PLASTER-05	82	MB-TF-05
13	MB-PLASTER-06	83	MB-TF-06
14	MB-PLASTER-07	84	MB-TF-07
15	MB-SV1-01	85	MB-CT6-01
16	MB-SV1-02	86	MB-CT6-02
17	MB-SV1-03	87	MB-CT6-03
18	MB-SU1-01	88	MB-DS-01
19	MB-SU1-02	89	MB-DS-02
20	MB-SU1-03	90	MB-DS-03
21	MB-VCB1-01	91	MB-CT7-01
22	MB-VCB1-02	92	MB-CT7-02
23	MB-VCB1-03	93	MB-CT7-03
24	MB-VCB2-01	94	MB-GD-01
25	MB-VCB2-02	95	MB-GD-02
26	MB-VCB2-03	96	MB-GD-03
27	MB-VCB3-01	97	MB-TS1-01
28	MB-VCB3-02	98	MB-TS1-02
29	MB-VCB3-03	99	MB-TS1-03
30	MB-VCB4-01	100	MB-TS2-01
31	MB-VCB4-02	101	MB-TS2-02
32	MB-VCB4-03	102	MB-TS2-03
33	MB-VCB5-01	103	MB-VFT1-01
34	MB-VCB5-02	104	MB-VFT1-02
35	MB-VCB5-03	105	MB-VFT1-03
36	MB-VCB6-01	106	MB-VFT2-01
37	MB-VCB6-02	107	MB-VFT2-02
38	MB-VCB6-03	108	MB-VFT2-03
39	MB-VCB7-01	109	MB-VFT3-01
40	MB-VCB7-02	110	MB-VFT3-02
41	MB-VCB7-03	111	MB-VFT3-03
42	MB-VCB8-01	112	MB-VFT4-01
43	MB-VCB8-02	113	MB-VFT4-02
44	MB-VCB8-03	114	MB-VFT4-03
45	MB-VCB9-01	115	MB-VFT5-01
46	MB-VCB9-02	116	MB-VFT5-02
47	MB-VCB9-03	117	MB-VFT5-03
48	MB-VCB10-01	118	MB-VFT6-01
49	MB-VCB10-02	119	MB-VFT6-02
50	MB-VCB10-03	120	MB-VFT6-03
51	MB-VCB11-01	121	MB-VFT7-01
52	MB-VCB11-02	122	MB-VFT7-02
53	MB-VCB11-03	123	MB-VFT7-03
54	MB-VCB12-01	124	MB-VFT8-01
55	MB-VCB12-02	125	MB-VFT8-02
56	MB-VCB12-03	126	MB-VFT8-03
57	MB-VCB13-01	127	MB-VFT9-01
58	MB-VCB13-02	128	MB-VFT9-02
59	MB-VCB13-03	129	MB-VFT9-03
60	MB-VCB14-01	130	MB-VFT10-01
61	MB-VCB14-02	131	MB-VFT10-02
62	MB-VCB14-03	132	MB-VFT10-03
63	MB-CT1-01	133	MB-VFT11-01
64	MB-CT1-02	134	MB-VFT11-02
65	MB-CT1-03	135	MB-VFT11-03
66	MB-CT2-01	136	MB-VFT12-01
67	MB-CT2-02	137	MB-VFT12-02
68	MB-CT2-03	138	MB-VFT12-03
69	MB-CT3-01	139	MB-VFT13-01
70	MB-CT3-02	140	MB-VFT13-02

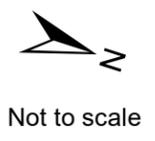
Sample Key Table	
Key	Sample No.
Asbestos	
141	MB-VFT13-03
142	MB-VFT14-01
143	MB-VFT14-02
144	MB-VFT14-03
145	MB-VFT15-01
146	MB-VFT15-02
147	MB-VFT15-03
148	MB-VFT16-01
149	MB-VFT16-02
150	MB-VFT16-03
151	MB-SC-01
152	MB-SC-02
153	MB-SC-03
154	MB-WPM-01
155	MB-WPM-02
156	MB-WPM-03
157	MB-CTM-01
158	MB-CTM-02
159	MB-CTM-03
160	MB-WG1-01
161	MB-WG1-02
162	MB-WG1-03
163	MB-VCB15-01
164	MB-VCB15-02
165	MB-VCB15-03
166	MB-SO-01
167	MB-SO-02
168	MB-SO-03
169	MB-DC2-01
170	MB-DC2-02
171	MB-DC2-03
172	MB-SU2-01
173	MB-SU2-02
174	MB-SU2-03
175	MB-WC-01
176	MB-WC-02
177	MB-WC-03
178	MB-DC-01
179	MB-DC-02
180	MB-DC-03
181	MB-CLK-01
182	MB-CLK-02
183	MB-CLK-03
184	MB-CLK-01
185	MB-CLK-02
186	MB-CLK-03
187	MB-CLK2-01
188	MB-CLK2-02
189	MB-CLK2-03
190	MB-EJ-01
191	MB-EJ-02
192	MB-EJ-03
PCB	
1	MB-EJ-01
2	MB-CLK-01
3	MB-CLK2-01
4	MB-DC-01
5	MB-DC2-02
6	MB-WC1-01



Legend

All sample points for the building are tabulated above, including points on other floors. Red text indicates confirmed asbestos-containing material (ACM).

- Asbestos-Containing Material Sample Location
- Non-Asbestos-Containing Material Sample Location



Boys and Girls Home
2101 Court St, Sioux City, IA 51104

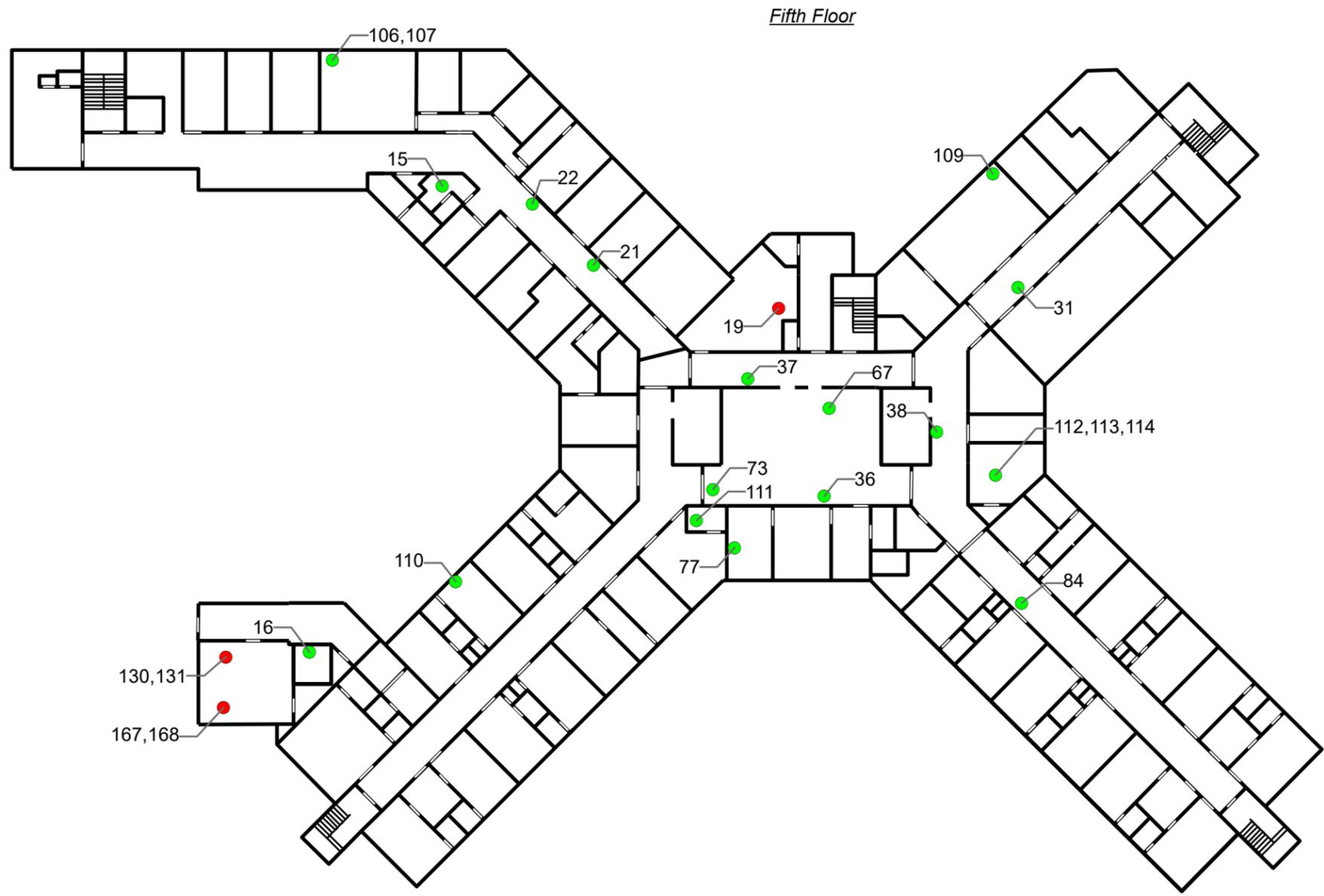
Figure 18 - Main Building
Asbestos Location Map

Date: 8/14/2023
Drawn By: Susmita Shrestha
Project No: 103265210190

C:\XG\652\10190\17_03\mxd\MainBuilding4.mxd

Sample Key Table		Sample Key Table	
Key	Sample No.	Key	Sample No.
Asbestos			
1	MB-DWJC-01	71	MB-CT3-03
2	MB-DWJC-02	72	MB-CT4-01
3	MB-DWJC-03	73	MB-CT4-02
4	MB-DWJC-04	74	MB-CT4-03
5	MB-DWJC-05	75	MB-CT5-01
6	MB-DWJC-06	76	MB-CT5-02
7	MB-DWJC-07	77	MB-CT5-03
8	MB-PLASTER-01	78	MB-TF-01
9	MB-PLASTER-02	79	MB-TF-02
10	MB-PLASTER-03	80	MB-TF-03
11	MB-PLASTER-04	81	MB-TF-04
12	MB-PLASTER-05	82	MB-TF-05
13	MB-PLASTER-06	83	MB-TF-06
14	MB-PLASTER-07	84	MB-TF-07
15	MB-SV1-01	85	MB-CT6-01
16	MB-SV1-02	86	MB-CT6-02
17	MB-SV1-03	87	MB-CT6-03
18	MB-SU1-01	88	MB-DS-01
19	MB-SU1-02	89	MB-DS-02
20	MB-SU1-03	90	MB-DS-03
21	MB-VCB1-01	91	MB-CT7-01
22	MB-VCB1-02	92	MB-CT7-02
23	MB-VCB1-03	93	MB-CT7-03
24	MB-VCB2-01	94	MB-GD-01
25	MB-VCB2-02	95	MB-GD-02
26	MB-VCB2-03	96	MB-GD-03
27	MB-VCB3-01	97	MB-TS1-01
28	MB-VCB3-02	98	MB-TS1-02
29	MB-VCB3-03	99	MB-TS1-03
30	MB-VCB4-01	100	MB-TS2-01
31	MB-VCB4-02	101	MB-TS2-02
32	MB-VCB4-03	102	MB-TS2-03
33	MB-VCB5-01	103	MB-VFT1-01
34	MB-VCB5-02	104	MB-VFT1-02
35	MB-VCB5-03	105	MB-VFT1-03
36	MB-VCB6-01	106	MB-VFT2-01
37	MB-VCB6-02	107	MB-VFT2-02
38	MB-VCB6-03	108	MB-VFT2-03
39	MB-VCB7-01	109	MB-VFT3-01
40	MB-VCB7-02	110	MB-VFT3-02
41	MB-VCB7-03	111	MB-VFT3-03
42	MB-VCB8-01	112	MB-VFT4-01
43	MB-VCB8-02	113	MB-VFT4-02
44	MB-VCB8-03	114	MB-VFT4-03
45	MB-VCB9-01	115	MB-VFT5-01
46	MB-VCB9-02	116	MB-VFT5-02
47	MB-VCB9-03	117	MB-VFT5-03
48	MB-VCB10-01	118	MB-VFT6-01
49	MB-VCB10-02	119	MB-VFT6-02
50	MB-VCB10-03	120	MB-VFT6-03
51	MB-VCB11-01	121	MB-VFT7-01
52	MB-VCB11-02	122	MB-VFT7-02
53	MB-VCB11-03	123	MB-VFT7-03
54	MB-VCB12-01	124	MB-VFT8-01
55	MB-VCB12-02	125	MB-VFT8-02
56	MB-VCB12-03	126	MB-VFT8-03
57	MB-VCB13-01	127	MB-VFT9-01
58	MB-VCB13-02	128	MB-VFT9-02
59	MB-VCB13-03	129	MB-VFT9-03
60	MB-VCB14-01	130	MB-VFT10-01
61	MB-VCB14-02	131	MB-VFT10-02
62	MB-VCB14-03	132	MB-VFT10-03
63	MB-CT1-01	133	MB-VFT11-01
64	MB-CT1-02	134	MB-VFT11-02
65	MB-CT1-03	135	MB-VFT11-03
66	MB-CT2-01	136	MB-VFT12-01
67	MB-CT2-02	137	MB-VFT12-02
68	MB-CT2-03	138	MB-VFT12-03
69	MB-CT3-01	139	MB-VFT13-01
70	MB-CT3-02	140	MB-VFT13-02

Sample Key Table	
Key	Sample No.
Asbestos	
141	MB-VFT13-03
142	MB-VFT14-01
143	MB-VFT14-02
144	MB-VFT14-03
145	MB-VFT15-01
146	MB-VFT15-02
147	MB-VFT15-03
148	MB-VFT16-01
149	MB-VFT16-02
150	MB-VFT16-03
151	MB-SC-01
152	MB-SC-02
153	MB-SC-03
154	MB-WPM-01
155	MB-WPM-02
156	MB-WPM-03
157	MB-CTM-01
158	MB-CTM-02
159	MB-CTM-03
160	MB-WG1-01
161	MB-WG1-02
162	MB-WG1-03
163	MB-VCB15-01
164	MB-VCB15-02
165	MB-VCB15-03
166	MB-SO-01
167	MB-SO-02
168	MB-SO-03
169	MB-DC2-01
170	MB-DC2-02
171	MB-DC2-03
172	MB-SU2-01
173	MB-SU2-02
174	MB-SU2-03
175	MB-WC-01
176	MB-WC-02
177	MB-WC-03
178	MB-DC-01
179	MB-DC-02
180	MB-DC-03
181	MB-DC2-01
182	MB-DC2-02
183	MB-DC2-03
184	MB-CLK-01
185	MB-CLK-02
186	MB-CLK-03
187	MB-CLK2-01
188	MB-CLK2-02
189	MB-CLK2-03
190	MB-EJ-01
191	MB-EJ-02
192	MB-EJ-03
PCB	
1	MB-EJ-01
2	MB-CLK-01
3	MB-CLK2-01
4	MB-DC-01
5	MB-DC2-02
6	MB-WC-01



Legend

All sample points for the building are tabulated above, including points on other floors. Red text indicates confirmed asbestos-containing material (ACM).

- Asbestos-Containing Material Sample Location
- Non-Asbestos-Containing Material Sample Location

Not to scale

Boys and Girls Home
2101 Court St, Sioux City, IA 51104

Figure 19 - Main Building
Asbestos Location Map

TETRA TECH

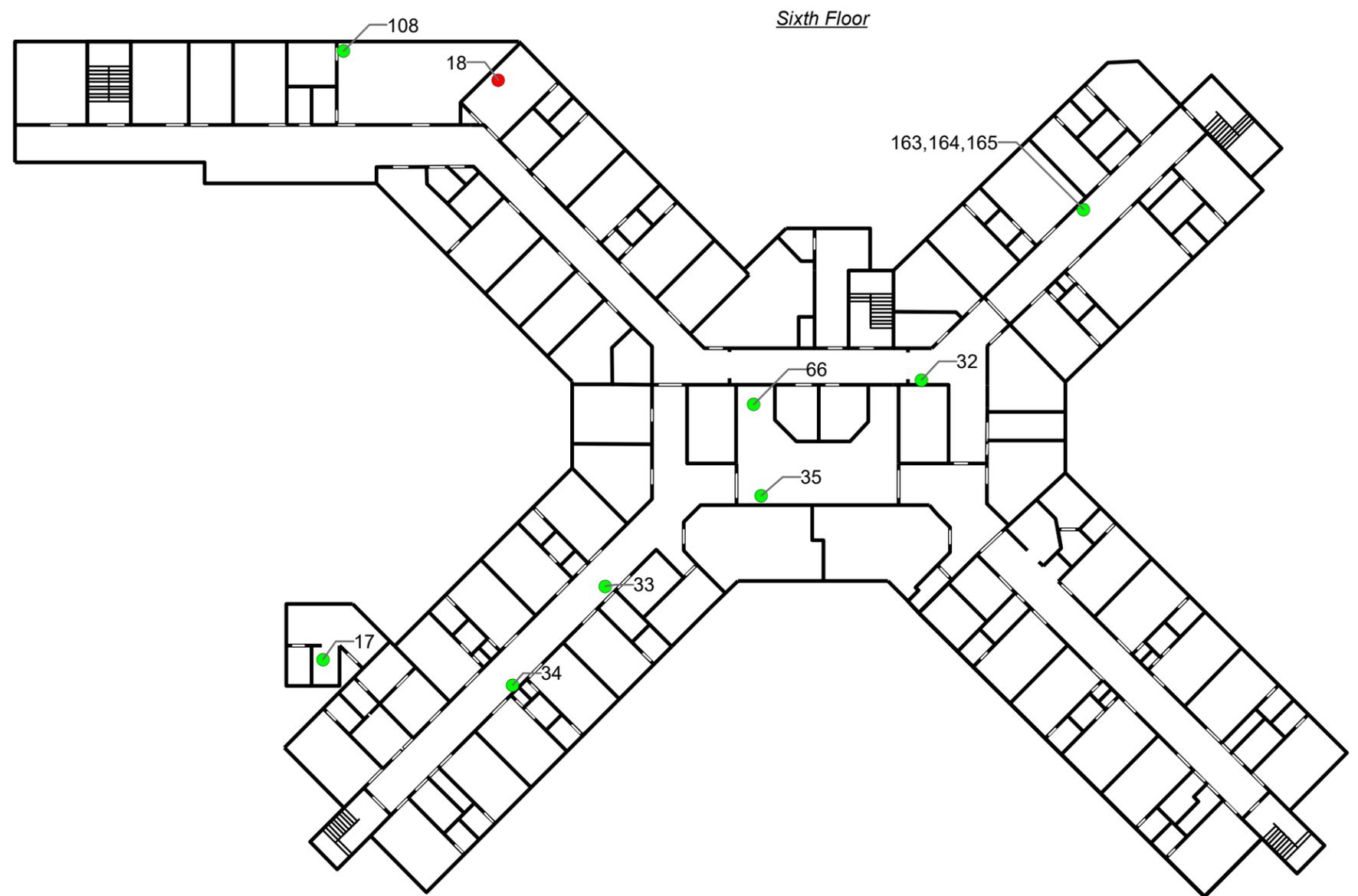
TOEROEK ASSOCIATES, INC.

Date: 8/14/2023
Drawn By: Susmita Shrestha
Project No: 103265210190

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Sample Key Table		Sample Key Table	
Key	Sample No.	Key	Sample No.
Asbestos			
1	MB-DWJC-01	71	MB-CT3-03
2	MB-DWJC-02	72	MB-CT4-01
3	MB-DWJC-03	73	MB-CT4-02
4	MB-DWJC-04	74	MB-CT4-03
5	MB-DWJC-05	75	MB-CT5-01
6	MB-DWJC-06	76	MB-CT5-02
7	MB-DWJC-07	77	MB-CT5-03
8	MB-PLASTER-01	78	MB-TF-01
9	MB-PLASTER-02	79	MB-TF-02
10	MB-PLASTER-03	80	MB-TF-03
11	MB-PLASTER-04	81	MB-TF-04
12	MB-PLASTER-05	82	MB-TF-05
13	MB-PLASTER-06	83	MB-TF-06
14	MB-PLASTER-07	84	MB-TF-07
15	MB-SV1-01	85	MB-CT6-01
16	MB-SV1-02	86	MB-CT6-02
17	MB-SV1-03	87	MB-CT6-03
18	MB-SU1-01	88	MB-DS-01
19	MB-SU1-02	89	MB-DS-02
20	MB-SU1-03	90	MB-DS-03
21	MB-VCB1-01	91	MB-CT7-01
22	MB-VCB1-02	92	MB-CT7-02
23	MB-VCB1-03	93	MB-CT7-03
24	MB-VCB2-01	94	MB-GD-01
25	MB-VCB2-02	95	MB-GD-02
26	MB-VCB2-03	96	MB-GD-03
27	MB-VCB3-01	97	MB-TS1-01
28	MB-VCB3-02	98	MB-TS1-02
29	MB-VCB3-03	99	MB-TS1-03
30	MB-VCB4-01	100	MB-TS2-01
31	MB-VCB4-02	101	MB-TS2-02
32	MB-VCB4-03	102	MB-TS2-03
33	MB-VCB5-01	103	MB-VFT1-01
34	MB-VCB5-02	104	MB-VFT1-02
35	MB-VCB5-03	105	MB-VFT1-03
36	MB-VCB6-01	106	MB-VFT2-01
37	MB-VCB6-02	107	MB-VFT2-02
38	MB-VCB6-03	108	MB-VFT2-03
39	MB-VCB7-01	109	MB-VFT3-01
40	MB-VCB7-02	110	MB-VFT3-02
41	MB-VCB7-03	111	MB-VFT3-03
42	MB-VCB8-01	112	MB-VFT4-01
43	MB-VCB8-02	113	MB-VFT4-02
44	MB-VCB8-03	114	MB-VFT4-03
45	MB-VCB9-01	115	MB-VFT5-01
46	MB-VCB9-02	116	MB-VFT5-02
47	MB-VCB9-03	117	MB-VFT5-03
48	MB-VCB10-01	118	MB-VFT6-01
49	MB-VCB10-02	119	MB-VFT6-02
50	MB-VCB10-03	120	MB-VFT6-03
51	MB-VCB11-01	121	MB-VFT7-01
52	MB-VCB11-02	122	MB-VFT7-02
53	MB-VCB11-03	123	MB-VFT7-03
54	MB-VCB12-01	124	MB-VFT8-01
55	MB-VCB12-02	125	MB-VFT8-02
56	MB-VCB12-03	126	MB-VFT8-03
57	MB-VCB13-01	127	MB-VFT9-01
58	MB-VCB13-02	128	MB-VFT9-02
59	MB-VCB13-03	129	MB-VFT9-03
60	MB-VCB14-01	130	MB-VFT10-01
61	MB-VCB14-02	131	MB-VFT10-02
62	MB-VCB14-03	132	MB-VFT10-03
63	MB-CT1-01	133	MB-VFT11-01
64	MB-CT1-02	134	MB-VFT11-02
65	MB-CT1-03	135	MB-VFT11-03
66	MB-CT2-01	136	MB-VFT12-01
67	MB-CT2-02	137	MB-VFT12-02
68	MB-CT2-03	138	MB-VFT12-03
69	MB-CT3-01	139	MB-VFT13-01
70	MB-CT3-02	140	MB-VFT13-02

Sample Key Table	
Key	Sample No.
Asbestos	
141	MB-VFT13-03
142	MB-VFT14-01
143	MB-VFT14-02
144	MB-VFT14-03
145	MB-VFT15-01
146	MB-VFT15-02
147	MB-VFT15-03
148	MB-VFT16-01
149	MB-VFT16-02
150	MB-VFT16-03
151	MB-SC-01
152	MB-SC-02
153	MB-SC-03
154	MB-WPM-01
155	MB-WPM-02
156	MB-WPM-03
157	MB-CTM-01
158	MB-CTM-02
159	MB-CTM-03
160	MB-WG1-01
161	MB-WG1-02
162	MB-WG1-03
163	MB-VCB15-01
164	MB-VCB15-02
165	MB-VCB15-03
166	MB-SO-01
167	MB-SO-02
168	MB-SO-03
169	MB-DC2-01
170	MB-DC2-02
171	MB-DC2-03
172	MB-SU2-01
173	MB-SU2-02
174	MB-SU2-03
175	MB-WC-01
176	MB-WC-02
177	MB-WC-03
178	MB-DC-01
179	MB-DC-02
180	MB-DC-03
181	MB-DC2-01
182	MB-DC2-02
183	MB-DC2-03
184	MB-CLK-01
185	MB-CLK-02
186	MB-CLK-03
187	MB-CLK2-01
188	MB-CLK2-02
189	MB-CLK2-03
190	MB-EJ-01
191	MB-EJ-02
192	MB-EJ-03
PCB	
1	MB-EJ-01
2	MB-CLK-01
3	MB-CLK2-01
4	MB-DC-01
5	MB-DC2-02
6	MB-WC1-01



Legend

All sample points for the building are tabulated above, including points on other floors. Red text indicates confirmed asbestos-containing material (ACM).

- Asbestos-Containing Material Sample Location
- Non-Asbestos-Containing Material Sample Location

Boys and Girls Home
2101 Court St, Sioux City, IA 51104

Figure 20 - Main Building
Asbestos Location Map



TETRA TECH



TOEROEK ASSOCIATES, INC.

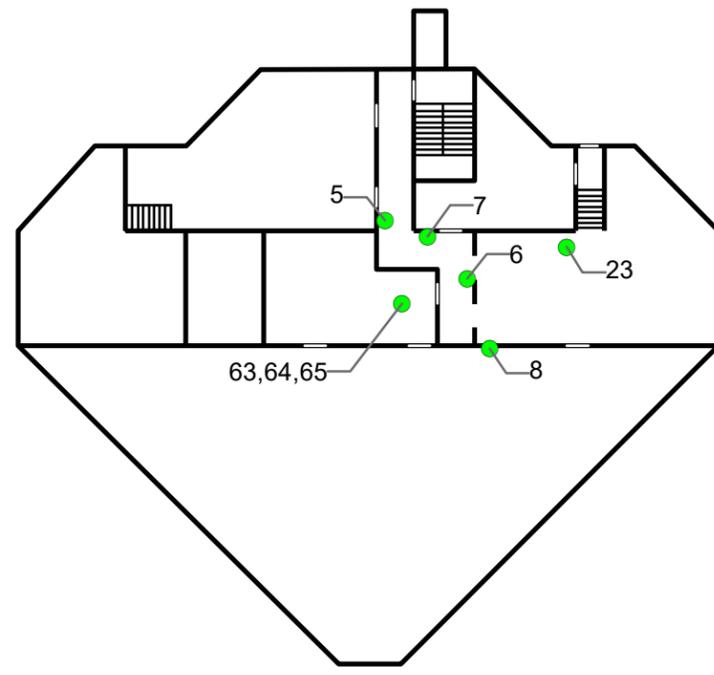
Date: 8/14/2023 Drawn By: Susmita Shrestha Project No: 103265210190

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Sample Key Table		Sample Key Table	
Key	Sample No.	Key	Sample No.
Asbestos			
1	MB-DWJC-01	71	MB-CT3-03
2	MB-DWJC-02	72	MB-CT4-01
3	MB-DWJC-03	73	MB-CT4-02
4	MB-DWJC-04	74	MB-CT4-03
5	MB-DWJC-05	75	MB-CT5-01
6	MB-DWJC-06	76	MB-CT5-02
7	MB-DWJC-07	77	MB-CT5-03
8	MB-PLASTER-01	78	MB-TF-01
9	MB-PLASTER-02	79	MB-TF-02
10	MB-PLASTER-03	80	MB-TF-03
11	MB-PLASTER-04	81	MB-TF-04
12	MB-PLASTER-05	82	MB-TF-05
13	MB-PLASTER-06	83	MB-TF-06
14	MB-PLASTER-07	84	MB-TF-07
15	MB-SV1-01	85	MB-CT6-01
16	MB-SV1-02	86	MB-CT6-02
17	MB-SV1-03	87	MB-CT6-03
18	MB-SU1-01	88	MB-DS-01
19	MB-SU1-02	89	MB-DS-02
20	MB-SU1-03	90	MB-DS-03
21	MB-VCB1-01	91	MB-CT7-01
22	MB-VCB1-02	92	MB-CT7-02
23	MB-VCB1-03	93	MB-CT7-03
24	MB-VCB2-01	94	MB-GD-01
25	MB-VCB2-02	95	MB-GD-02
26	MB-VCB2-03	96	MB-GD-03
27	MB-VCB3-01	97	MB-TS11-01
28	MB-VCB3-02	98	MB-TS11-02
29	MB-VCB3-03	99	MB-TS11-03
30	MB-VCB4-01	100	MB-TS12-01
31	MB-VCB4-02	101	MB-TS12-02
32	MB-VCB4-03	102	MB-TS12-03
33	MB-VCB5-01	103	MB-VFT1-01
34	MB-VCB5-02	104	MB-VFT1-02
35	MB-VCB5-03	105	MB-VFT1-03
36	MB-VCB6-01	106	MB-VFT2-01
37	MB-VCB6-02	107	MB-VFT2-02
38	MB-VCB6-03	108	MB-VFT2-03
39	MB-VCB7-01	109	MB-VFT3-01
40	MB-VCB7-02	110	MB-VFT3-02
41	MB-VCB7-03	111	MB-VFT3-03
42	MB-VCB8-01	112	MB-VFT4-01
43	MB-VCB8-02	113	MB-VFT4-02
44	MB-VCB8-03	114	MB-VFT4-03
45	MB-VCB9-01	115	MB-VFT5-01
46	MB-VCB9-02	116	MB-VFT5-02
47	MB-VCB9-03	117	MB-VFT5-03
48	MB-VCB10-01	118	MB-VFT6-01
49	MB-VCB10-02	119	MB-VFT6-02
50	MB-VCB10-03	120	MB-VFT6-03
51	MB-VCB11-01	121	MB-VFT7-01
52	MB-VCB11-02	122	MB-VFT7-02
53	MB-VCB11-03	123	MB-VFT7-03
54	MB-VCB12-01	124	MB-VFT8-01
55	MB-VCB12-02	125	MB-VFT8-02
56	MB-VCB12-03	126	MB-VFT8-03
57	MB-VCB13-01	127	MB-VFT9-01
58	MB-VCB13-02	128	MB-VFT9-02
59	MB-VCB13-03	129	MB-VFT9-03
60	MB-VCB14-01	130	MB-VFT10-01
61	MB-VCB14-02	131	MB-VFT10-02
62	MB-VCB14-03	132	MB-VFT10-03
63	MB-CT1-01	133	MB-VFT11-01
64	MB-CT1-02	134	MB-VFT11-02
65	MB-CT1-03	135	MB-VFT11-03
66	MB-CT2-01	136	MB-VFT12-01
67	MB-CT2-02	137	MB-VFT12-02
68	MB-CT2-03	138	MB-VFT12-03
69	MB-CT3-01	139	MB-VFT13-01
70	MB-CT3-02	140	MB-VFT13-02

Sample Key Table	
Key	Sample No.
Asbestos	
141	MB-VFT13-03
142	MB-VFT14-01
143	MB-VFT14-02
144	MB-VFT14-03
145	MB-VFT15-01
146	MB-VFT15-02
147	MB-VFT15-03
148	MB-VFT16-01
149	MB-VFT16-02
150	MB-VFT16-03
151	MB-SC-01
152	MB-SC-02
153	MB-SC-03
154	MB-WPM-01
155	MB-WPM-02
156	MB-WPM-03
157	MB-CTM-01
158	MB-CTM-02
159	MB-CTM-03
160	MB-WG1-01
161	MB-WG1-02
162	MB-WG1-03
163	MB-VCB15-01
164	MB-VCB15-02
165	MB-VCB15-03
166	MB-SO-01
167	MB-SO-02
168	MB-SO-03
169	MB-DC2-01
170	MB-DC2-02
171	MB-DC2-03
172	MB-SU2-01
173	MB-SU2-02
174	MB-SU2-03
175	MB-WC-01
176	MB-WC-02
177	MB-WC-03
178	MB-DC-01
179	MB-DC-02
180	MB-DC-03
181	MB-DC2-01
182	MB-DC2-02
183	MB-DC2-03
184	MB-CLK-01
185	MB-CLK-02
186	MB-CLK-03
187	MB-CLK2-01
188	MB-CLK2-02
189	MB-CLK2-03
190	MB-EJ-01
191	MB-EJ-02
192	MB-EJ-03
PCB	
1	MB-EJ-01
2	MB-CLK-01
3	MB-CLK2-01
4	MB-DC-01
5	MB-DC2-02
6	MB-WC1-01

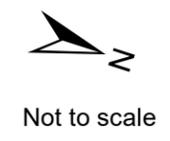
Seventh Floor



Legend

All sample points for the building are tabulated above, including points on other floors. Red text indicates confirmed asbestos-containing material (ACM).

● Non-Asbestos-Containing Material Sample Location



Boys and Girls Home
2101 Court St, Sioux City, IA 51104

Figure 21 - Main Building
Asbestos Location Map

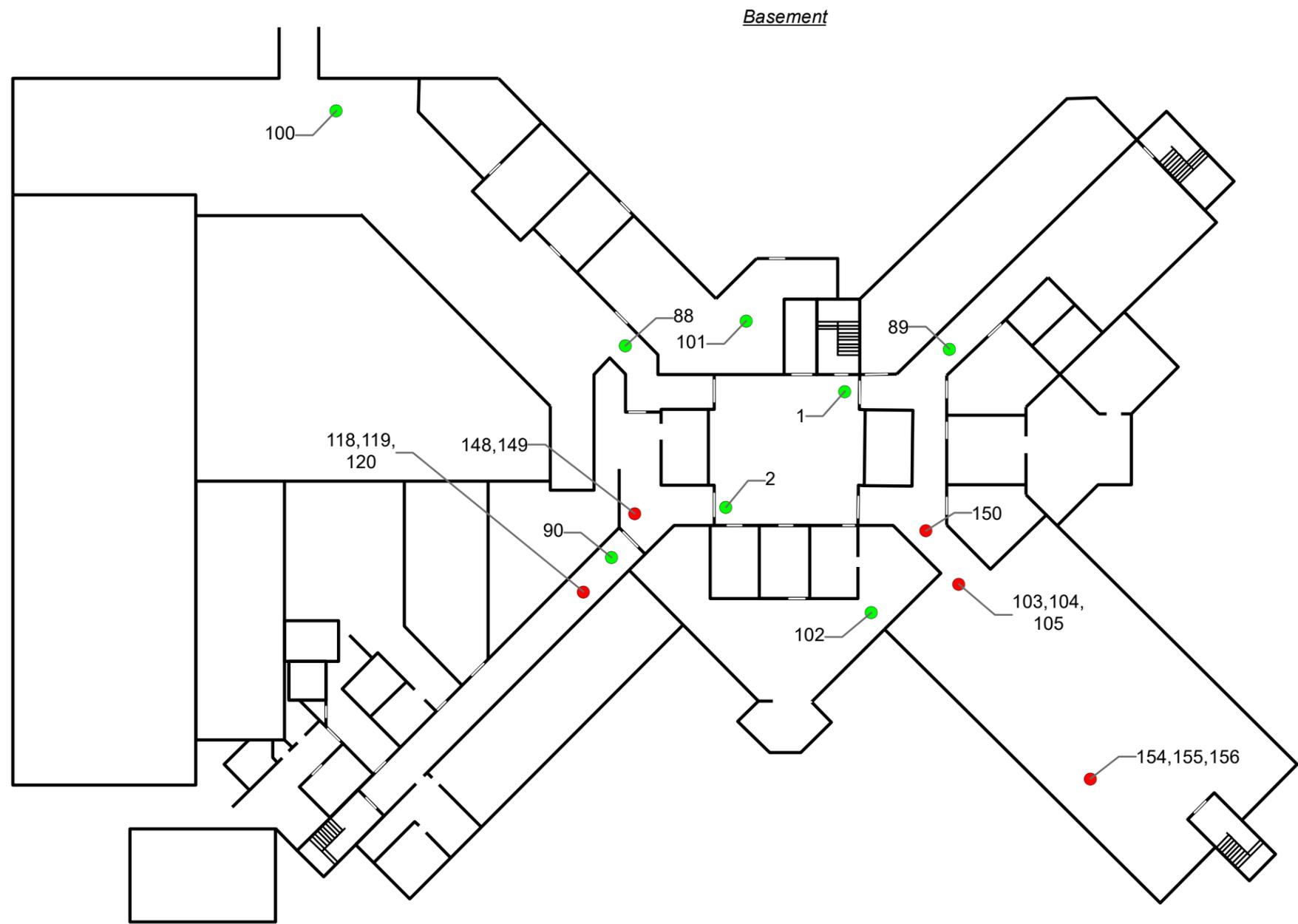



Date: 8/14/2023 Drawn By: Susmita Shrestha Project No: 103265210190

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Sample Key Table		Sample Key Table	
Key	Sample No.	Key	Sample No.
Asbestos			
1	MB-DWJC-01	71	MB-CT3-03
2	MB-DWJC-02	72	MB-CT4-01
3	MB-DWJC-03	73	MB-CT4-02
4	MB-DWJC-04	74	MB-CT4-03
5	MB-DWJC-05	75	MB-CT5-01
6	MB-DWJC-06	76	MB-CT5-02
7	MB-DWJC-07	77	MB-CT5-03
8	MB-PLASTER-01	78	MB-TF-01
9	MB-PLASTER-02	79	MB-TF-02
10	MB-PLASTER-03	80	MB-TF-03
11	MB-PLASTER-04	81	MB-TF-04
12	MB-PLASTER-05	82	MB-TF-05
13	MB-PLASTER-06	83	MB-TF-06
14	MB-PLASTER-07	84	MB-TF-07
15	MB-SV1-01	85	MB-CT6-01
16	MB-SV1-02	86	MB-CT6-02
17	MB-SV1-03	87	MB-CT6-03
18	MB-SU1-01	88	MB-DS-01
19	MB-SU1-02	89	MB-DS-02
20	MB-SU1-03	90	MB-DS-03
21	MB-VCB1-01	91	MB-CT7-01
22	MB-VCB1-02	92	MB-CT7-02
23	MB-VCB1-03	93	MB-CT7-03
24	MB-VCB2-01	94	MB-GD-01
25	MB-VCB2-02	95	MB-GD-02
26	MB-VCB2-03	96	MB-GD-03
27	MB-VCB3-01	97	MB-TS1-01
28	MB-VCB3-02	98	MB-TS1-02
29	MB-VCB3-03	99	MB-TS1-03
30	MB-VCB4-01	100	MB-TS2-01
31	MB-VCB4-02	101	MB-TS2-02
32	MB-VCB4-03	102	MB-TS2-03
33	MB-VCB5-01	103	MB-VFT1-01
34	MB-VCB5-02	104	MB-VFT1-02
35	MB-VCB5-03	105	MB-VFT1-03
36	MB-VCB6-01	106	MB-VFT2-01
37	MB-VCB6-02	107	MB-VFT2-02
38	MB-VCB6-03	108	MB-VFT2-03
39	MB-VCB7-01	109	MB-VFT3-01
40	MB-VCB7-02	110	MB-VFT3-02
41	MB-VCB7-03	111	MB-VFT3-03
42	MB-VCB8-01	112	MB-VFT4-01
43	MB-VCB8-02	113	MB-VFT4-02
44	MB-VCB8-03	114	MB-VFT4-03
45	MB-VCB9-01	115	MB-VFT5-01
46	MB-VCB9-02	116	MB-VFT5-02
47	MB-VCB9-03	117	MB-VFT5-03
48	MB-VCB10-01	118	MB-VFT6-01
49	MB-VCB10-02	119	MB-VFT6-02
50	MB-VCB10-03	120	MB-VFT6-03
51	MB-VCB11-01	121	MB-VFT7-01
52	MB-VCB11-02	122	MB-VFT7-02
53	MB-VCB11-03	123	MB-VFT7-03
54	MB-VCB12-01	124	MB-VFT8-01
55	MB-VCB12-02	125	MB-VFT8-02
56	MB-VCB12-03	126	MB-VFT8-03
57	MB-VCB13-01	127	MB-VFT9-01
58	MB-VCB13-02	128	MB-VFT9-02
59	MB-VCB13-03	129	MB-VFT9-03
60	MB-VCB14-01	130	MB-VFT10-01
61	MB-VCB14-02	131	MB-VFT10-02
62	MB-VCB14-03	132	MB-VFT10-03
63	MB-CT1-01	133	MB-VFT11-01
64	MB-CT1-02	134	MB-VFT11-02
65	MB-CT1-03	135	MB-VFT11-03
66	MB-CT2-01	136	MB-VFT12-01
67	MB-CT2-02	137	MB-VFT12-02
68	MB-CT2-03	138	MB-VFT12-03
69	MB-CT3-01	139	MB-VFT13-01
70	MB-CT3-02	140	MB-VFT13-02

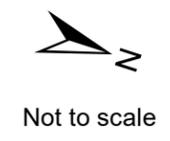
Sample Key Table	
Key	Sample No.
Asbestos	
141	MB-VFT13-03
142	MB-VFT14-01
143	MB-VFT14-02
144	MB-VFT14-03
145	MB-VFT15-01
146	MB-VFT15-02
147	MB-VFT15-03
148	MB-VFT16-01
149	MB-VFT16-02
150	MB-VFT16-03
151	MB-SC-01
152	MB-SC-02
153	MB-SC-03
154	MB-WPM-01
155	MB-WPM-02
156	MB-WPM-03
157	MB-CTM-01
158	MB-CTM-02
159	MB-CTM-03
160	MB-WG1-01
161	MB-WG1-02
162	MB-WG1-03
163	MB-VCB15-01
164	MB-VCB15-02
165	MB-VCB15-03
166	MB-SO-01
167	MB-SO-02
168	MB-SO-03
169	MB-DC2-01
170	MB-DC2-02
171	MB-DC2-03
172	MB-SU2-01
173	MB-SU2-02
174	MB-SU2-03
175	MB-WC-01
176	MB-WC-02
177	MB-WC-03
178	MB-DC-01
179	MB-DC-02
180	MB-DC-03
181	MB-CLK-01
182	MB-CLK-02
183	MB-CLK-03
184	MB-CLK-01
185	MB-CLK-02
186	MB-CLK-03
187	MB-CLK2-01
188	MB-CLK2-02
189	MB-CLK2-03
190	MB-EJ-01
191	MB-EJ-02
192	MB-EJ-03
PCB	
1	MB-EJ-01
2	MB-CLK-01
3	MB-CLK2-01
4	MB-DC-01
5	MB-DC2-02
6	MB-WC-01



Legend

All sample points for the building are tabulated above, including points on other floors. Red text indicates confirmed asbestos-containing material (ACM).

- Asbestos-Containing Material Sample Location
- Non-Asbestos-Containing Material Sample Location



Boys and Girls Home
2101 Court St, Sioux City, IA 51104

Figure 22 - Main Building
Asbestos Location Map

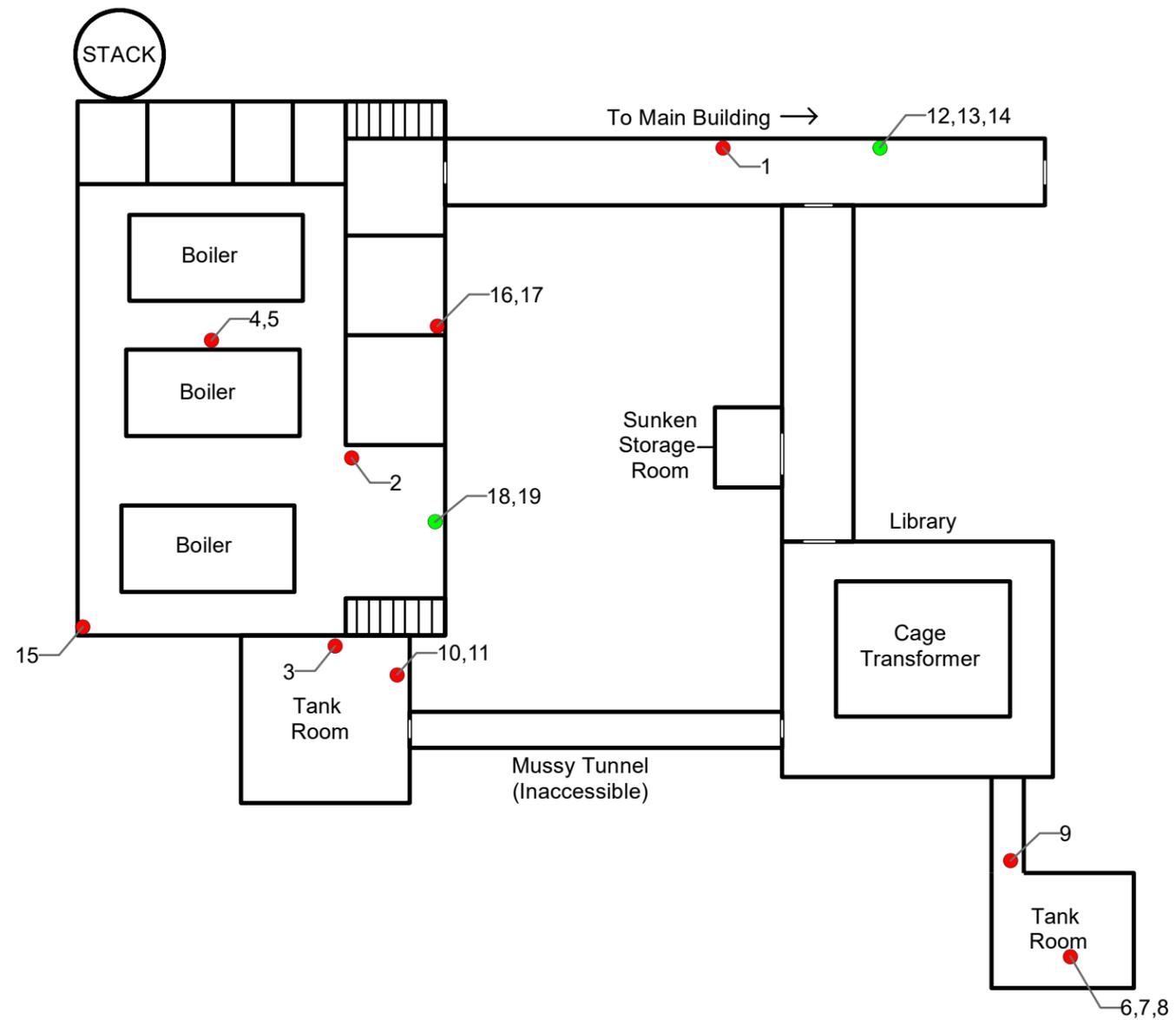



Date: 8/14/2023 Drawn By: Susmita Shrestha Project No: 103265210190

C:\XG\652\10190\17_03\mxd\MainBuilding.mxd

Sample Key Table

Key	Sample No.
Asbestos	
1	PP-TSI-01
2	PP-TSI-02
3	PP-TSI-03
4	PP-TR-01
5	PP-TR-01
6	PP-TI-01
7	PP-TI-02
8	PP-TI-03
9	PP-TS2-01
10	PP-TS2-02
11	PP-TS2-03
12	PP-PW-01
13	PP-PW-02
14	PP-PW-03
15	PP-RF-01
16	PP-RF-02
17	PP-RF-03
18	PP-RC-01
19	PP-RC-02



Legend

Red text indicates confirmed asbestos-containing material (ACM).

- Asbestos-Containing Material Sample Location
- Non-Asbestos-Containing Material Sample Location



Boys and Girls Home
2101 Court St, Sioux City, IA 51104

Figure 23 - Power Plant Tunnels
Asbestos Location Map

Date: 8/14/2023 Drawn By: Susmita Shrestha Project No: 103265210190

**APPENDIX B
PHOTOGRAPHIC DOCUMENTATION LOG**

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NUMBER (NO.) 017.05	DESCRIPTION	This photograph shows the garage building on the site.	1
	CLIENT	U.S. Environmental Protection Agency (EPA)	Date: 6/15/23
Direction: West	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows confirmed asbestos-containing material (ACM) black roof flashing on the roof of the garage.	2
	CLIENT	EPA	Date: 6/15/23
Direction: Not Applicable (N/A)	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
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SUBTASK NO. 017.05	DESCRIPTION	This photograph shows brown lead-based paint (LBP) present on a wood window frame on the north side of the garage.	3
	CLIENT	EPA	
Direction: Not Applicable (N/A)	PHOTOGRAPHER	Stephen Knerr	Date: 6/15/23



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the library building on the site.	4
	CLIENT	EPA	
Direction: Southeast	PHOTOGRAPHER	Macy La Masney	Date: 6/14/23

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows confirmed ACM vinyl floor tile (12 inches by 12 inches, light green with gray streaks) present on the 1 st and 2 nd floors of the library.	5
	CLIENT	EPA	Date: 6/14/23
Direction: N/A	PHOTOGRAPHER	Macy La Masney	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows green LBP present on plaster walls behind wood paneling on the main floor of the library.	6
	CLIENT	EPA	Date: 6/14/23
Direction: N/A	PHOTOGRAPHER	Macy La Masney	

**Hazardous Material Surveys
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SUBTASK NO. 017.05	DESCRIPTION	This photograph shows tan LBP present on wood and plaster walls below the stairs in the library.	7
	CLIENT	EPA	Date: 6/14/23
Direction: N/A	PHOTOGRAPHER	Macy La Masney	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows beige LBP on plaster ceilings above ceiling tile and green LBP on plaster walls behind wood paneling on the 2 nd floor of the library.	8
	CLIENT	EPA	Date: 6/14/23
Direction: N/A	PHOTOGRAPHER	Macy La Masney	

**Hazardous Material Surveys
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Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows blackish-gray LBP on wood baseboard in the stairwell of the library.	9
	CLIENT	EPA	Date: 6/14/23
Direction: N/A	PHOTOGRAPHER	Macy La Masney	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows red LBP on the wooden door and door frame of the small storage shed to the south of the garage.	10
	CLIENT	EPA	Date: 6/14/23
Direction: N/A	PHOTOGRAPHER	Macy La Masney	

**Hazardous Material Surveys
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Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows tan LBP on the metal soffit and guttering as well as black LBP on wooden shutters and a window frame on the exterior of the library.	11
	CLIENT	EPA	Date: 6/14/23
Direction: N/A	PHOTOGRAPHER	Macy La Masney	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the power plant building on the site.	12
	CLIENT	EPA	Date: 6/14/23
Direction: N/A	PHOTOGRAPHER	Macy La Masney	

**Hazardous Material Surveys
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SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the tunnels present on site underground leading from the main building to the power plant.	13
	CLIENT	EPA	Date: 6/14/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

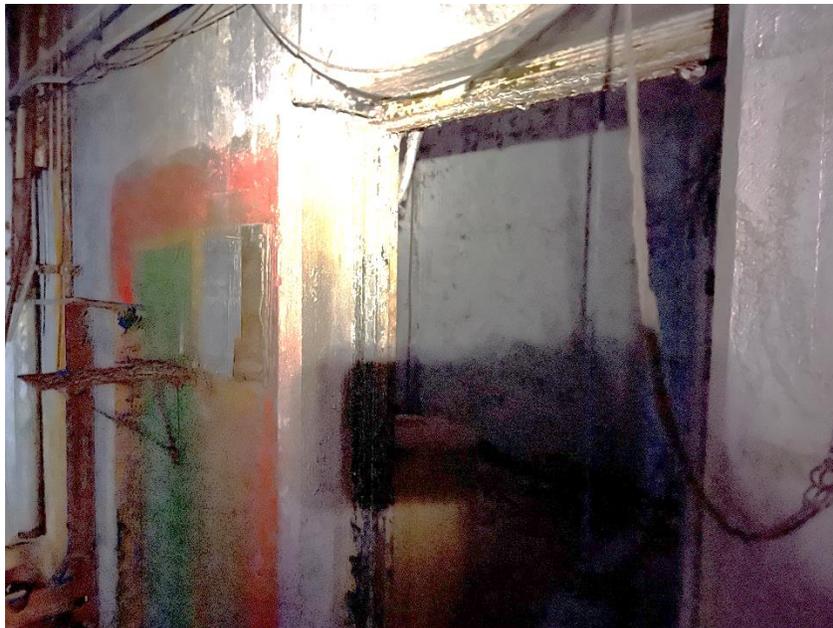


SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM pipe insulation present throughout the power plant and tunnels.	14
	CLIENT	EPA	Date: 6/14/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
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SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM Transite board between the boilers within the power plant.	15
	CLIENT	EPA	
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	Date: 6/14/23



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows gray LBP on wooden door frames inside the power plant.	16
	CLIENT	EPA	
Direction: West	PHOTOGRAPHER	Stephen Knerr	Date: 6/14/23

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows silver LBP on boiler bricks below the boilers in the power plant.	17
	CLIENT	EPA	Date: 6/14/23
Direction: West	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows gray LBP present on a metal boiler in the power plant.	18
	CLIENT	EPA	Date: 6/14/23
Direction: West	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows gray LBP on metal stairs and railings in the power plant.	19
	CLIENT	EPA	Date: 6/14/23
Direction: West	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows gray LBP present on a wooden door in the tunnels below the power plant and library.	20
	CLIENT	EPA	Date: 6/14/23
Direction: West	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows gray LBP on a small metal door and door frame in the tunnel south of the power plant.	21
	CLIENT	EPA	Date: 6/14/23
Direction: West	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM tank insulation and confirmed ACM Air-O-Cell pipe insulation within the power plant.	22
	CLIENT	EPA	Date: 6/14/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM black roof flashing on the roof of the power plant.	23
	CLIENT	EPA	Date: 6/15/23
Direction: Northwest	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the chapel building present on the site.	24
	CLIENT	EPA	Date: 6/15/23
Direction: Northeast	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM vinyl floor tile (9 inches by 9 inches, red) in the mezzanine of the chapel.	25
	CLIENT	EPA	Date: 6/13/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM Air O-Cell pipe insulation present throughout the chapel.	26
	CLIENT	EPA	Date: 6/13/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM white window glaze on the exterior windows of the chapel.	27
	CLIENT	EPA	Date: 6/13/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

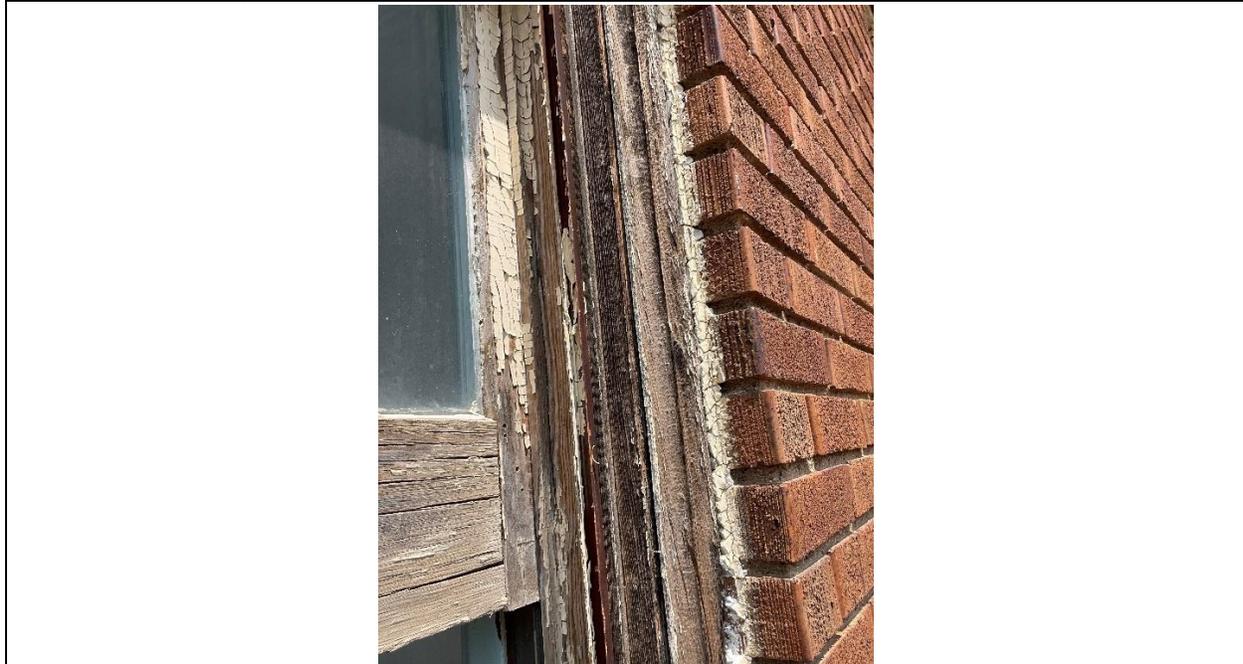


SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM black roof flashing and the confirmed ACM thick black roof flashing on the roof of the chapel.	28
	CLIENT	EPA	Date: 6/13/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM and polychlorinated biphenyl (PCB)-containing black window caulk, the confirmed and PCB-containing white window caulk, and (as noted by the red arrow) the confirmed ACM expansion joint caulk present on the penthouse windows of the Chapel.	29
	CLIENT	EPA	Date: 6/15/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM white window caulk on the windows on the north side of the chapel.	30
	CLIENT	EPA	Date: 6/13/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM black sealant on the north side of the chapel foundation.	31
	CLIENT	EPA	Date: 6/15/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows yellow LBP on metal elevator doors in the chapel.	32
	CLIENT	EPA	Date: 6/15/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
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SUBTASK NO. 017.05	DESCRIPTION	This photograph shows white LBP on two wooden window frames on the penthouse of the chapel.	33
	CLIENT	EPA	Date: 6/15/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows blue LBP on metal vent covers on the roof of the chapel.	34
	CLIENT	EPA	Date: 6/15/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows red LBP on a metal door and door frame on the roof of the chapel.	35
	CLIENT	EPA	Date: 6/15/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the west side of the chapel with tan LBP on all wooden window frames.	36
	CLIENT	EPA	Date: 6/15/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
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Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows Building 25 on the site.	37
	CLIENT	EPA	Date: 6/12/23
Direction: Southeast	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM pebble sheet flooring throughout the third-floor hallways of Building 25.	38
	CLIENT	EPA	Date: 6/12/23
Direction: N/A	PHOTOGRAPHER		

**Hazardous Material Surveys
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SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM vinyl floor tile (12 inches by 12 inches, grey with brown streaks) throughout the third and fourth floors of Building 25.	39
	CLIENT	EPA	Date: 6/12/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM 12-inch pipe insulation near the old elevator and stairs within Building 25.	40
	CLIENT	EPA	Date: 6/12/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM mudded joint fittings throughout Building 25.	41
	CLIENT	EPA	Date: 6/12/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

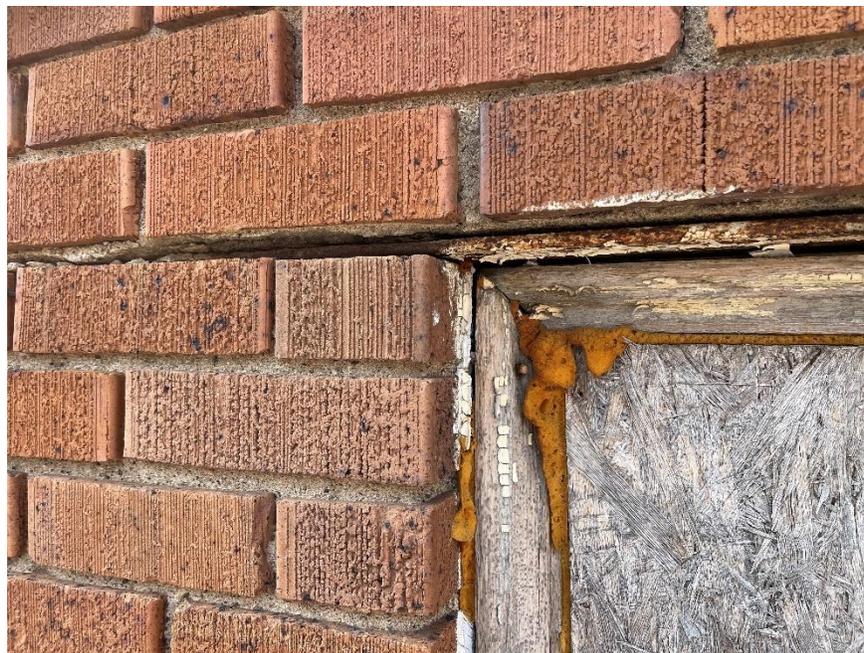


SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM Air-O-Cell pipe insulation throughout Building 25.	42
	CLIENT	EPA	Date: 6/12/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
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Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM and PCB-containing white expansion joint compound on the roof of Building 25.	43
	CLIENT	EPA	Date: 6/15/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM white window caulk on the roof and penthouse windows of Building 25.	44
	CLIENT	EPA	Date: 6/15/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**

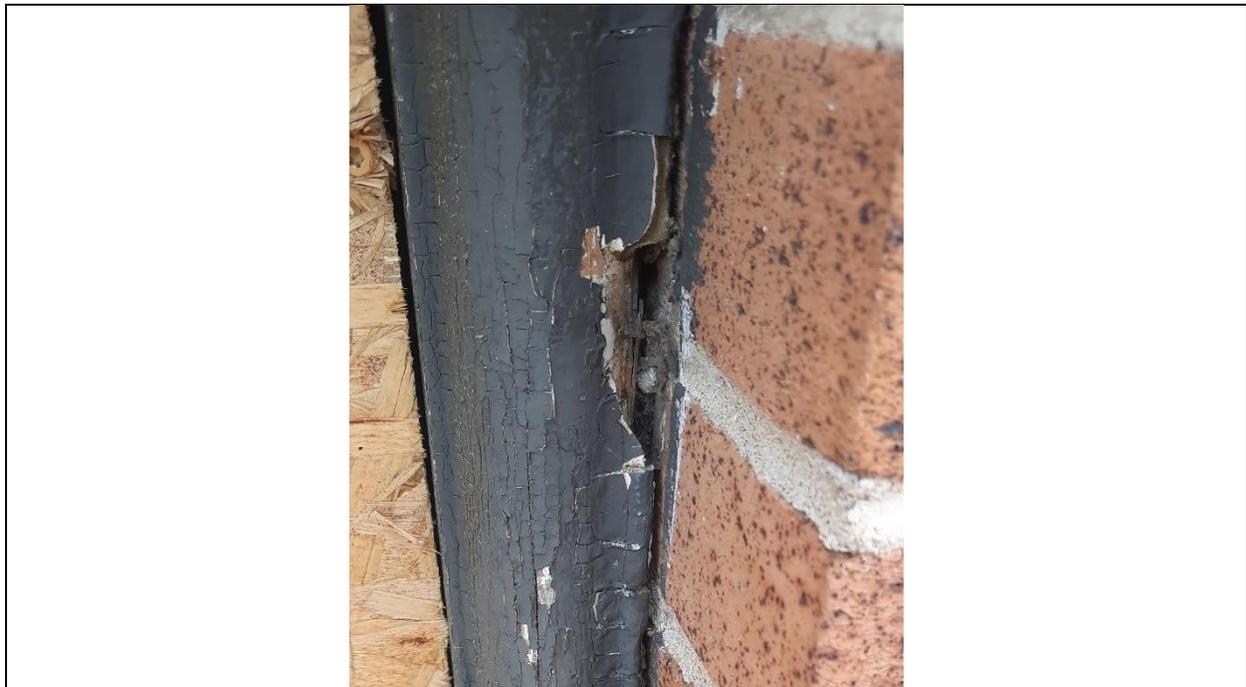


SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM sheet flooring with square pebbles throughout the second floor's Wing A of Building 25.	45
	CLIENT	EPA	Date: 6/12/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

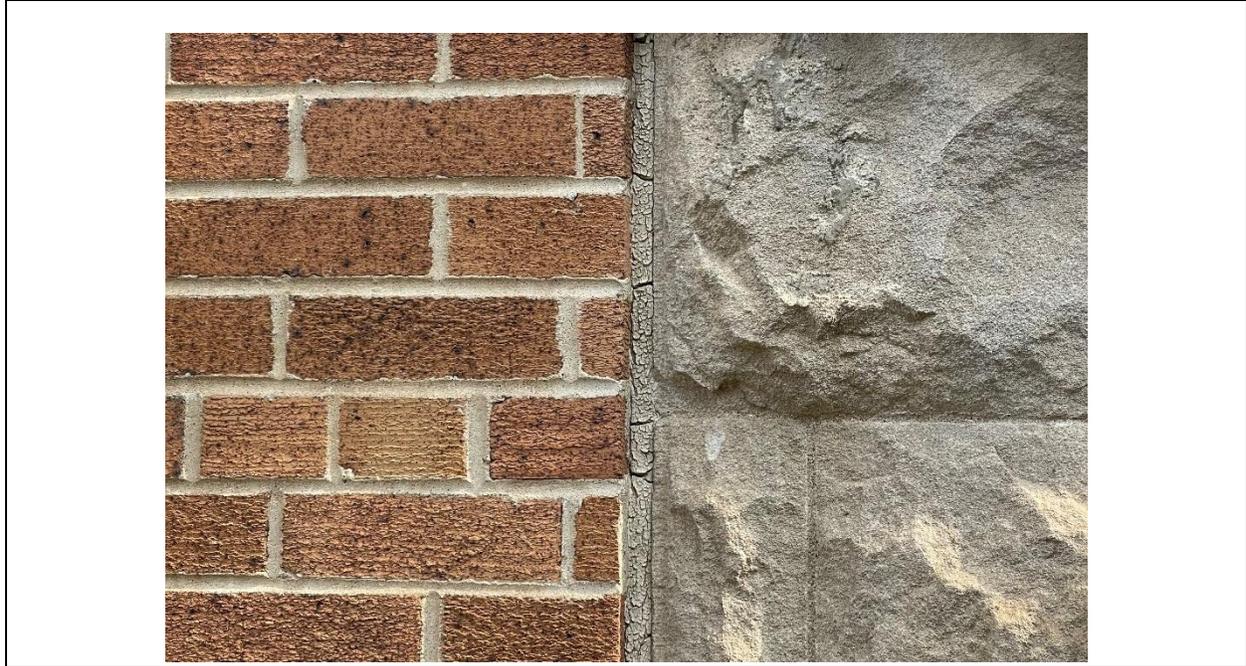


SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM vinyl floor tile (12 inches by 12 inches, beige) in the southeast room, ground level, of Building 25.	46
	CLIENT	EPA	Date: 6/12/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM white door caulk on the west exterior door of Building 25.	47
	CLIENT	EPA	Date: 6/15/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

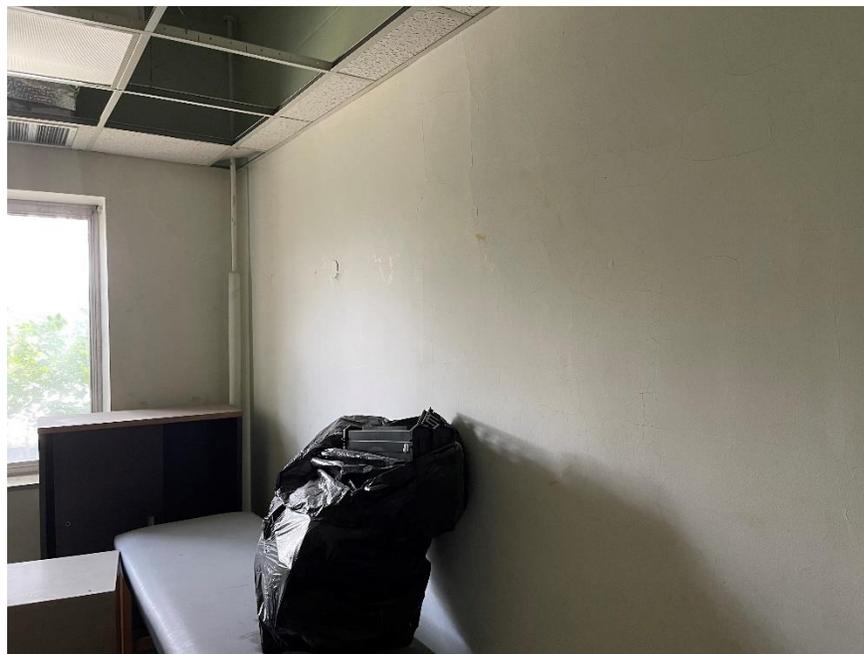


SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM white expansion joint on the exterior of Building 25 where it connects to the chapel hallway.	48
	CLIENT	EPA	Date: 6/15/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the green LBP present on the wood windows in the central stairway within Building 25.	49
	CLIENT	EPA	Date: 6/8/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the beige LBP on the plaster walls on the fourth floor of Building 25.	50
	CLIENT	EPA	Date: 6/8/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the beige LBP on the plaster ceiling on the third floor of Building 25.	51
	CLIENT	EPA	Date: 6/8/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the white LBP on the wood windows throughout the third floor of Building 25.	52
	CLIENT	EPA	Date: 6/8/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the off-white LBP on the plaster walls and ceiling in Room 362 as well as the off-white and green LBP present on the metal door frame throughout the third floor of Building 25.	53
	CLIENT	EPA	Date: 6/8/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

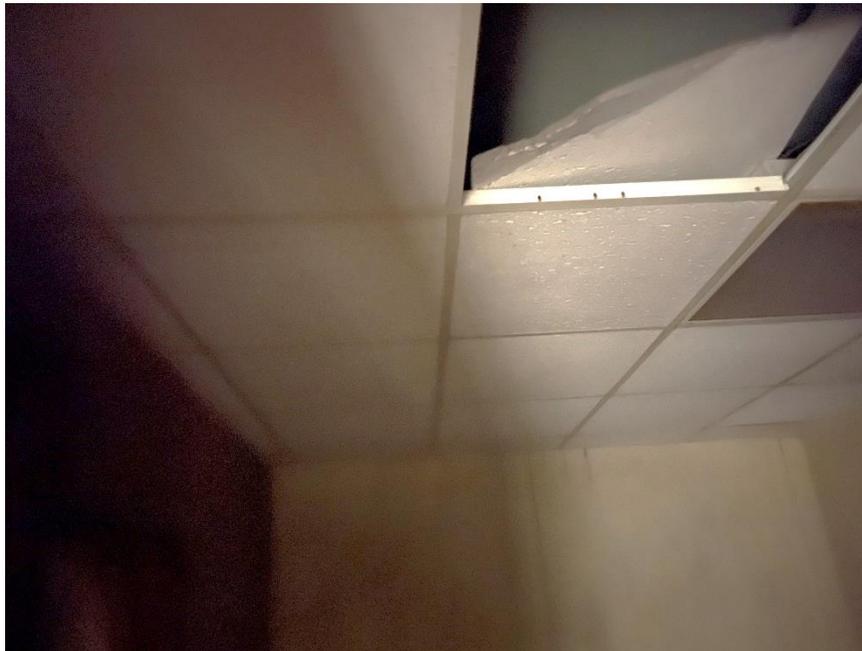


SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the green LBP on wooden window frames on the south side of Building 25.	54
	CLIENT	EPA	Date: 6/8/23

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the pink LBP on plaster walls behind orange wallpaper in the south hall open area of Building 25.	55
	CLIENT	EPA	Date: 6/8/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows green LBP on the plaster ceiling in the first floor's south-end room of Building 25.	56
	CLIENT	EPA	Date: 6/8/23

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**

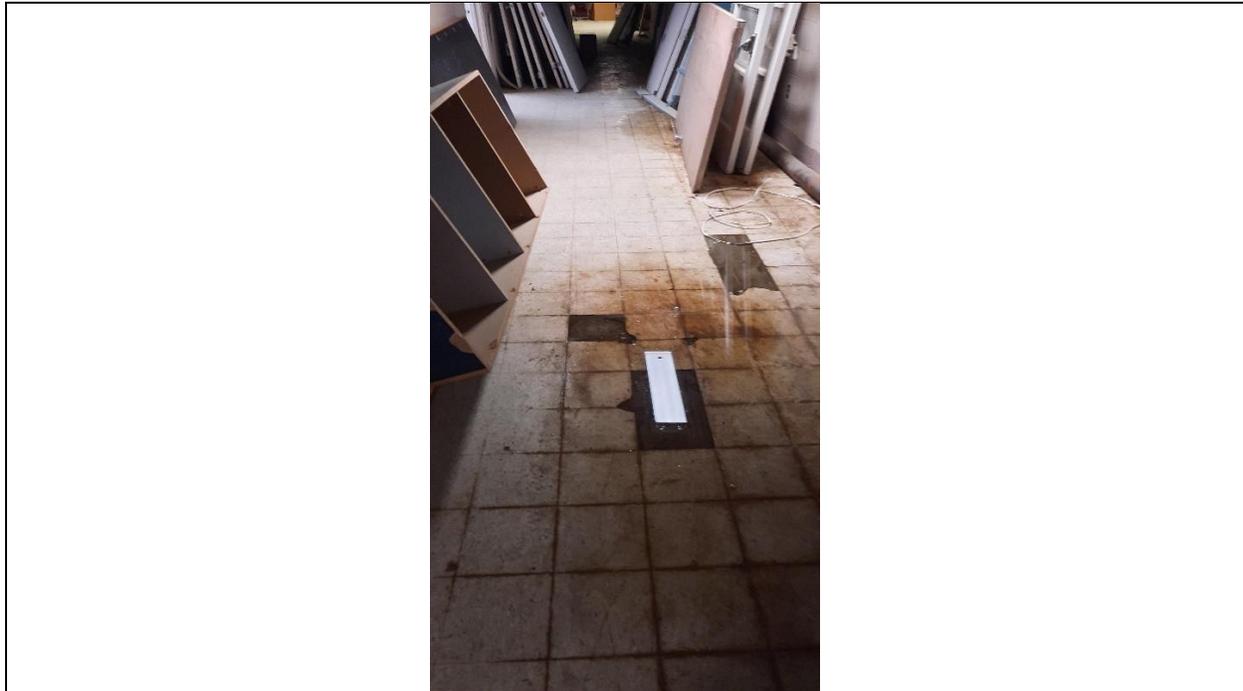


SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the main building on the site.	57
	CLIENT	EPA	
Direction: Southwest	PHOTOGRAPHER	Stephen Knerr	Date: 6/15/23

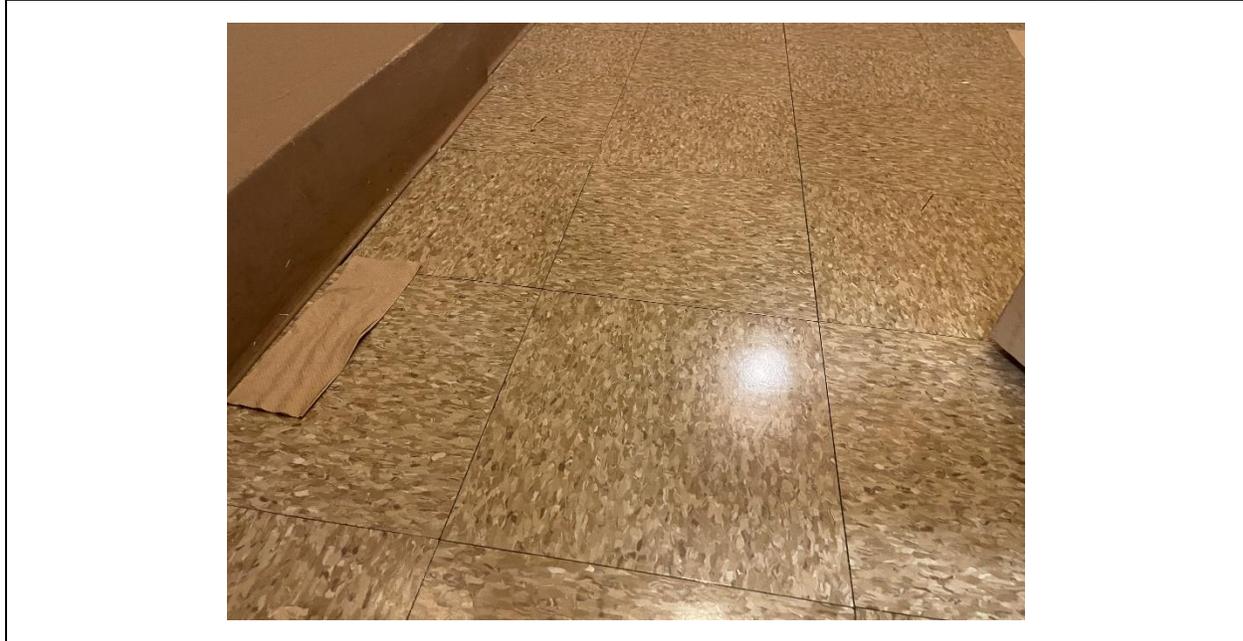


SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM black sink undercoat throughout the main building.	58
	CLIENT	EPA	
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	Date: 6/10/23

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM vinyl floor tile (9 inches by 9 inches, tan) with grey streaks in the basement of the main building.	59
	CLIENT	EPA	Date: 6/9/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM vinyl floor tile (12 inches by 12 inches, green) with white and gray specks in the basement of the main building.	60
	CLIENT	EPA	Date: 6/8/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM vinyl floor tile (12 inches by 12 inches, off-white with gray streaks) throughout the ground, third, and fifth floors of the main building.	61
	CLIENT	EPA	Date: 6/8/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM wood panel mastic in the basement of the main building.	62
	CLIENT	EPA	Date: 6/10/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**

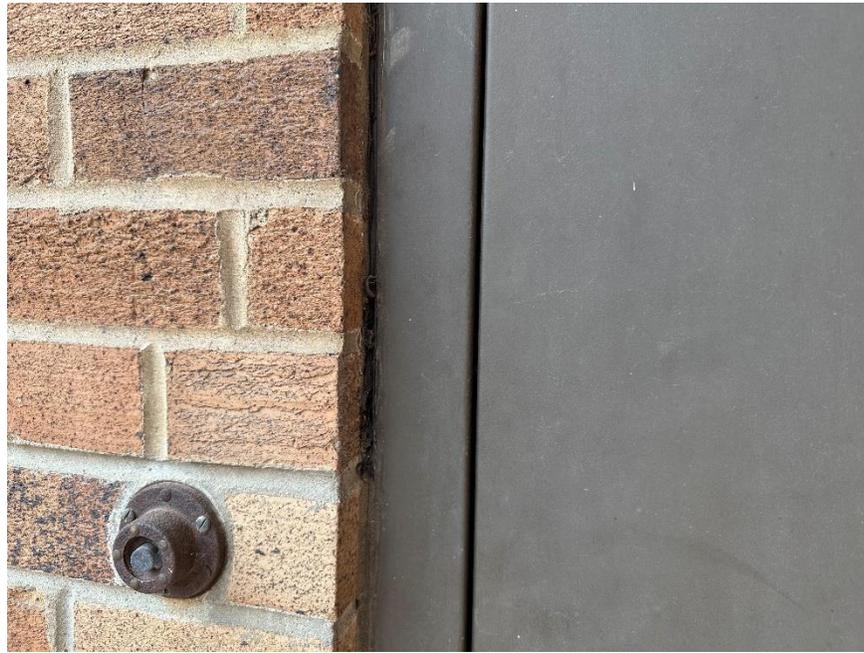


SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM spray-on fireproofing on the fourth and fifth floors of the main building.	63
	CLIENT	EPA	Date: 6/10/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM white window caulk on the exterior windows of the main building.	64
	CLIENT	EPA	Date: 6/14/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM black door caulk on exterior doors of the main building.	65
	CLIENT	EPA	Date: 6/14/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM white flashing caulk on the east side of the main building.	66
	CLIENT	EPA	Date: 6/14/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the confirmed ACM white expansion joint present on the exterior of the main building where it connects with Building 25.	67
	CLIENT	EPA	Date: 6/14/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the teal LBP on the metal elevator motor on the seventh floor's elevator equipment room in the main building.	68
	CLIENT	EPA	Date: 6/8/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the red LBP on the metal stairs and railing in the north elevator equipment house within the main building.	69
	CLIENT	EPA	Date: 6/8/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the red LBP on the metal beams in the north elevator equipment house within the main building.	70
	CLIENT	EPA	Date: 6/8/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**Hazardous Material Surveys
Photographic Documentation Log
Boys and Girls Home – Sioux City, Iowa**

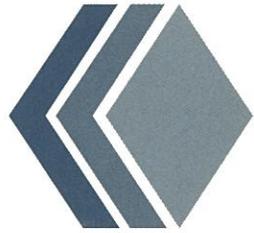


SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the red LBP on the metal railing in the stairways within the main building.	71
	CLIENT	EPA	Date: 6/8/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	



SUBTASK NO. 017.05	DESCRIPTION	This photograph shows the black LBP on the wooden window frames in the courtyard of the main building.	72
	CLIENT	EPA	Date: 6/14/23
Direction: N/A	PHOTOGRAPHER	Stephen Knerr	

**APPENDIX C
INSPECTOR CERTIFICATIONS**



M·E·T·A
Mayhew Environmental Training Associates
I N C O R P O R A T E D

Certificate # FZL1SQB7G

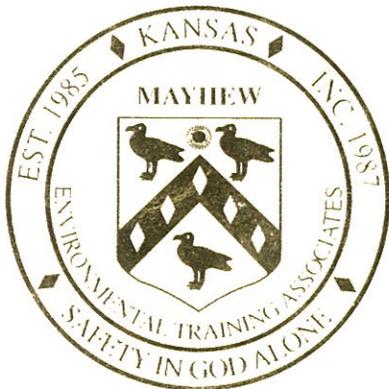
Geoffrey Jay

*has on 11/17/2022, in Lawrence, KS completed the requirements for asbestos accreditation under Section 206 of TSCA Title II,
15 USC 2646*

Asbestos Inspector Refresher

*as approved by the US EPA under 40 CFR 763 (AHERA)
on 11/17/2022 - 11/17/2022 and passed the associated exam on 11/17/2022 with a score of at least 70%*

Thomas Brennan
Instructor



SSN: XXX-XX-4602

Expiration: 11/17/2023

P.O. Box 786 - Lawrence, KS. 66044 - 800.444.6382

www.metaenvironmental.net

Thomas Mayhew
President

STEPHEN KNERR

DOB: 12-07-1989

Issued: 10-03-2022



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type
INSPECTOR

Number
22-8902

Expires
09-01-2023



Asbestos

Rod A. Roberts
Rod A. Roberts
Labor Commissioner

MACY LA MASNEY

DOB: 02-03-1997

Issued: 09-22-2022



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

APPENDIX D

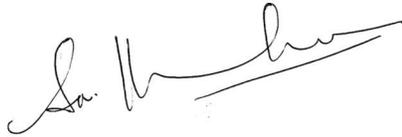
ACM ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORMS

Report for:

Mr. Jeffrey Mitchell
Tetra Tech-KCMO
415 Oak Street
Kansas City, MO 64106

Regarding: Eurofins EPK Built Environment Testing, LLC
Project: Boys & Girls Home-HazMat Survey; Building 25
EML ID: 3294477

Approved by:



Cluster Leader
Dr. Kamash Pillai

Dates of Analysis:

Asbestos PLM: 06-20-2023 and 06-21-2023

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)
NVLAP Lab Code 600194-0

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EPK Built Environment Testing, LLC ("the Company"), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: Tetra Tech-KCMO

C/O: Mr. Jeffrey Mitchell

Re: Boys & Girls Home-HazMat Survey; Building 25

Date of Receipt: 06-19-2023

Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Total Samples Submitted: 122

Total Samples Analyzed: 93

Total Samples with Layer Asbestos Content > 1%: 12

Location: B25-CT1-01, 2'x4' ceiling tile w/ fissure + pinholes

Lab ID-Version‡: 15992034-1

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	45% Cellulose 25% Glass Fibers
Sample Composite Homogeneity:	Good

Location: B25-CT1-02, 2'x4' ceiling tile w/ fissure + pinholes

Lab ID-Version‡: 15992035-1

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	45% Cellulose 25% Glass Fibers
Sample Composite Homogeneity:	Good

Location: B25-CT1-03, 2'x4' ceiling tile w/ fissure + pinholes

Lab ID-Version‡: 15992036-1

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	45% Cellulose 25% Glass Fibers
Sample Composite Homogeneity:	Good

Location: B25-CT2-01, 2'x2' ceiling tile w/ fissure + pinholes

Lab ID-Version‡: 15992037-1

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	45% Cellulose 25% Glass Fibers
Sample Composite Homogeneity:	Good

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Tetra Tech-KCMO

C/O: Mr. Jeffrey Mitchell

Date of Receipt: 06-19-2023

Re: Boys & Girls Home-HazMat Survey; Building 25 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: B25-CT2-02, 2'x2' ceiling tile w/ fissure + pinholes

Lab ID-Version‡: 15992038-1

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	45% Cellulose 25% Glass Fibers
Sample Composite Homogeneity:	Good

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‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Tetra Tech-KCMO

C/O: Mr. Jeffrey Mitchell

Date of Receipt: 06-19-2023

Re: Boys & Girls Home-HazMat Survey; Building 25 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: B25-CT2-03, 2'x2' ceiling tile w/ fissure + pinholes

Lab ID-Version‡: 15992039-1

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	45% Cellulose 25% Glass Fibers
Sample Composite Homogeneity:	Good

Location: B25-CT3-01, 12"x12" white ceiling tile

Lab ID-Version‡: 15992040-1

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	45% Cellulose 25% Glass Fibers
Sample Composite Homogeneity:	Good

Location: B25-CT3-02, 12"x12" white ceiling tile

Lab ID-Version‡: 15992041-1

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	45% Cellulose 25% Glass Fibers
Sample Composite Homogeneity:	Good

Location: B25-CT3-03, 12"x12" white ceiling tile

Lab ID-Version‡: 15992042-1

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	45% Cellulose 25% Glass Fibers
Sample Composite Homogeneity:	Good

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‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Tetra Tech-KCMO

C/O: Mr. Jeffrey Mitchell

Date of Receipt: 06-19-2023

Re: Boys & Girls Home-HazMat Survey; Building 25 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: B25-GD-01, brown glue dot

Lab ID-Version‡: 15992043-1

Sample Layers	Asbestos Content
Brown Glue	ND
Sample Composite Homogeneity: Good	

Location: B25-GD-02, brown glue dot

Lab ID-Version‡: 15992044-1

Sample Layers	Asbestos Content
Brown Glue	ND
Sample Composite Homogeneity: Good	

Location: B25-GD-03, brown glue dot

Lab ID-Version‡: 15992045-1

Sample Layers	Asbestos Content
Brown Glue	ND
Sample Composite Homogeneity: Good	

Location: B25-PL-01, plaster w/ skim coat

Lab ID-Version‡: 15992046-1

Sample Layers	Asbestos Content
Gray Plaster	ND
White Skim Coat with Paint	ND
Sample Composite Homogeneity: Moderate	

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‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Tetra Tech-KCMO

C/O: Mr. Jeffrey Mitchell

Date of Receipt: 06-19-2023

Re: Boys & Girls Home-HazMat Survey; Building 25 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: B25-PL-02, plaster w/ skim coat

Lab ID-Version‡: 15992047-1

Sample Layers	Asbestos Content
Gray Plaster	ND
White Skim Coat with Paint	ND
Sample Composite Homogeneity: Moderate	

Location: B25-PL-03, plaster w/ skim coat

Lab ID-Version‡: 15992048-1

Sample Layers	Asbestos Content
White Skim Coat with Paint	ND
Sample Composite Homogeneity: Good	

Location: B25-PL-04, plaster w/ skim coat

Lab ID-Version‡: 15992049-1

Sample Layers	Asbestos Content
Gray Plaster	ND
White Skim Coat with Paint	ND
Sample Composite Homogeneity: Moderate	

Location: B25-PL-05, plaster w/ skim coat

Lab ID-Version‡: 15992050-1

Sample Layers	Asbestos Content
Gray Plaster	ND
White Skim Coat with Paint	ND
Sample Composite Homogeneity: Moderate	

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Tetra Tech-KCMO

C/O: Mr. Jeffrey Mitchell

Date of Receipt: 06-19-2023

Re: Boys & Girls Home-HazMat Survey; Building 25 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: B25-PL-06, plaster w/ skim coat

Lab ID-Version‡: 15992051-1

Sample Layers	Asbestos Content
Gray Plaster	ND
White Skim Coat with Paint	ND
Sample Composite Homogeneity: Moderate	

Location: B25-PL-07, plaster w/ skim coat

Lab ID-Version‡: 15992052-1

Sample Layers	Asbestos Content
Gray Plaster	ND
White Skim Coat with Paint	ND
Sample Composite Homogeneity: Moderate	

Location: B25-DWJC-01, drywall w/ joint compound

Lab ID-Version‡: 15992053-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
Off-White Joint Compound	2% Chrysotile
Cream Tape	ND
Off-White Compound with Paint	2% Chrysotile
Composite Asbestos Fibrous Content: < 1% Asbestos	
Composite Non-Asbestos Content: 15% Cellulose	
Sample Composite Homogeneity: Poor	

Comments: Composite asbestos content provided is only for Drywall/Joint compound. Composite content provided for this analysis has been performed by following the NESHAP guidelines. Samples B25-DWJC-02, 03, 04, 05, 06 and 07 were not analyzed due to prior positive series.

Location: B25-SF-01, beige sheet flooring

Lab ID-Version‡: 15992060-1

Sample Layers	Asbestos Content
Gray Sheet Flooring with Fibrous Backing and Mastic	20% Chrysotile
Composite Non-Asbestos Content: 10% Cellulose	
Sample Composite Homogeneity: Good	

Comments: Sample layers inseparable without cross contamination. Samples B25-SF-02 and 03 were not analyzed due to prior positive series.

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‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Tetra Tech-KCMO

C/O: Mr. Jeffrey Mitchell

Date of Receipt: 06-19-2023

Re: Boys & Girls Home-HazMat Survey; Building 25 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: B25-CBM1-01, 4" black cove base

Lab ID-Version‡: 15992063-1

Sample Layers	Asbestos Content
Brown Baseboard	ND
Brown Mastic	ND
Sample Composite Homogeneity: Good	

Location: B25-CBM1-02, 4" black cove base

Lab ID-Version‡: 15992064-1

Sample Layers	Asbestos Content
Brown Baseboard	ND
Brown Mastic	ND
Sample Composite Homogeneity: Good	

Location: B25-CBM1-03, 4" black cove base

Lab ID-Version‡: 15992065-1

Sample Layers	Asbestos Content
Brown Baseboard	ND
Brown Mastic	ND
Sample Composite Homogeneity: Good	

Location: B25-CBM2-01, 6" black cove base

Lab ID-Version‡: 15992066-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Tetra Tech-KCMO

C/O: Mr. Jeffrey Mitchell

Date of Receipt: 06-19-2023

Re: Boys & Girls Home-HazMat Survey; Building 25 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: B25-CBM2-02, 6" black cove base

Lab ID-Version‡: 15992067-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: B25-CBM2-03, 6" black cove base

Lab ID-Version‡: 15992068-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: B25-CBM3-01, 4" off-white cove base

Lab ID-Version‡: 15992069-1

Sample Layers	Asbestos Content
Off-White Baseboard	ND
Brown Mastic	ND
Sample Composite Homogeneity: Good	

Location: B25-CBM3-02, 4" off-white cove base

Lab ID-Version‡: 15992070-1

Sample Layers	Asbestos Content
Off-White Baseboard	ND
Brown Mastic	ND
Sample Composite Homogeneity: Good	

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Client: Tetra Tech-KCMO

C/O: Mr. Jeffrey Mitchell

Date of Receipt: 06-19-2023

Re: Boys & Girls Home-HazMat Survey; Building 25 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: B25-CBM3-03, 4" off-white cove base

Lab ID-Version‡: 15992071-1

Sample Layers	Asbestos Content
Off-White Baseboard	ND
Brown Mastic	ND
Sample Composite Homogeneity: Good	

Location: B25-CWT1-01, 4"x4" green ceramic wall tile

Lab ID-Version‡: 15992072-1

Sample Layers	Asbestos Content
Green Ceramic Tile	ND
Yellow Adhesive	ND
Sample Composite Homogeneity: Moderate	

Location: B25-CWT1-02, 4"x4" green ceramic wall tile

Lab ID-Version‡: 15992073-1

Sample Layers	Asbestos Content
Green Ceramic Tile	ND
Yellow Adhesive	ND
Sample Composite Homogeneity: Moderate	

Location: B25-CWT1-03, 4"x4" green ceramic wall tile

Lab ID-Version‡: 15992074-1

Sample Layers	Asbestos Content
Green Ceramic Tile	ND
Yellow Adhesive	ND
Sample Composite Homogeneity: Moderate	

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Re: Boys & Girls Home-HazMat Survey; Building 25 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: B25-VI-01, vermiculite attic insulation

Lab ID-Version‡: 15992075-1

Sample Layers	Asbestos Content
Brown Vermiculite Insulation	< 1% Tremolite/Actinolite
Composite Non-Asbestos Content:	90% Vermiculite
Sample Composite Homogeneity:	Poor

Location: B25-VFT1-01, 12"x12" gray vinyl floor tile w/ brown streaks

Lab ID-Version‡: 15992076-1

Sample Layers	Asbestos Content
Gray Floor Tile	2% Chrysotile
Black Mastic	ND
Sample Composite Homogeneity:	Good

Comments: Samples B25-VFT1-02 and B25-VFT1-03 were not analyzed due to prior positive series.

Location: B25-WM1-01, brown wall mastic

Lab ID-Version‡: 15992079-1

Sample Layers	Asbestos Content
Brown Mastic	ND
Sample Composite Homogeneity:	Good

Location: B25-TSI1-01, white pipe insulation

Lab ID-Version‡: 15992080-1

Sample Layers	Asbestos Content
White Insulation	10% Chrysotile
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Comments: Samples B25-TSI1-02 and B25-TSI1-03 were not analyzed due to prior positive series.

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Re: Boys & Girls Home-HazMat Survey; Building 25 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: B25-CWT2-01, 4"x4" red ceramic wall tile

Lab ID-Version‡: 15992083-1

Sample Layers	Asbestos Content
Red Ceramic Tile	ND
Yellow Adhesive	ND
Sample Composite Homogeneity: Moderate	

Location: B25-CWT2-02, 4"x4" red ceramic wall tile

Lab ID-Version‡: 15992084-1

Sample Layers	Asbestos Content
Red Ceramic Tile	ND
Yellow Adhesive	ND
Sample Composite Homogeneity: Moderate	

Location: B25-CWT2-03, 4"x4" red ceramic wall tile

Lab ID-Version‡: 15992085-1

Sample Layers	Asbestos Content
Red Ceramic Tile	ND
Yellow Adhesive	ND
Sample Composite Homogeneity: Moderate	

Location: B25-WM2-01, yellow wall mastic

Lab ID-Version‡: 15992086-1

Sample Layers	Asbestos Content
White Compound with Paint	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: B25-WM2-02, yellow wall mastic

Lab ID-Version‡: 15992087-1

Sample Layers	Asbestos Content
White Compound with Paint	ND
Sample Composite Homogeneity: Good	

Location: B25-WM2-03, yellow wall mastic

Lab ID-Version‡: 15992088-1

Sample Layers	Asbestos Content
White Compound with Paint	ND
Sample Composite Homogeneity: Good	

Location: B25-MJF-01, matte 2 joint fittings

Lab ID-Version‡: 15992089-1

Sample Layers	Asbestos Content
White Insulation	10% Chrysotile
Composite Non-Asbestos Content: 10% Cellulose	
Sample Composite Homogeneity: Good	

Comments: Samples B25-MJF-02 and B25-MJF-03 were not analyzed due to prior positive series.

Location: B25-VFT2-01, 9"x9" red vinyl floor tile

Lab ID-Version‡: 15992092-1

Sample Layers	Asbestos Content
Red Floor Tile	ND
Multicolored Mastic	ND
Black Felt	ND
Composite Non-Asbestos Content: 15% Cellulose	
Sample Composite Homogeneity: Poor	

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ASBESTOS PLM REPORT

Location: B25-VFT2-02, 9"x9" red vinyl floor tile

Lab ID-Version‡: 15992093-1

Sample Layers	Asbestos Content
Red Floor Tile	ND
Multicolored Mastic	ND
Black Felt	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Poor

Location: B25-VFT2-03, 9"x9" red vinyl floor tile

Lab ID-Version‡: 15992094-1

Sample Layers	Asbestos Content
Red Floor Tile	ND
Multicolored Mastic	ND
Black Felt	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Poor

Location: B25-VFT3-01, 9"x9" green vinyl floor tile

Lab ID-Version‡: 15992095-1

Sample Layers	Asbestos Content
Red Floor Tile	ND
Multicolored Mastic	ND
Black Felt	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Poor

Location: B25-CWT3-01, 3"x7" white ceramic wall tile

Lab ID-Version‡: 15992098-1

Sample Layers	Asbestos Content
Gray Cementitious Material	ND
White Cementitious Material	ND
Sample Composite Homogeneity:	Moderate

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ASBESTOS PLM REPORT

Location: B25-CWT3-02, 3"x7" white ceramic wall tile

Lab ID-Version‡: 15992099-1

Sample Layers	Asbestos Content
White Cementitious Material	ND
Sample Composite Homogeneity: Good	

Location: B25-CWT3-03, 3"x7" white ceramic wall tile

Lab ID-Version‡: 15992100-1

Sample Layers	Asbestos Content
Gray Cementitious Material	ND
Sample Composite Homogeneity: Moderate	

Location: B25-TSI2-01, Air-o-cell pipe insulation

Lab ID-Version‡: 15992101-1

Sample Layers	Asbestos Content
Gray Pipe Insulation	40% Chrysotile
Composite Non-Asbestos Content: 30% Cellulose	
Sample Composite Homogeneity: Good	

Comments: Samples B25-TSI2-02 and B25-TSI2-03 were not analyzed due to prior positive series.

Location: B25-CWT4-01, 4"x4" beige ceramic wall tile

Lab ID-Version‡: 15992104-1

Sample Layers	Asbestos Content
Beige Ceramic Tile	ND
Yellow Adhesive	ND
Sample Composite Homogeneity: Moderate	

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ASBESTOS PLM REPORT

Location: B25-CWT4-02, 4"x4" beige ceramic wall tile

Lab ID-Version‡: 15992105-1

Sample Layers	Asbestos Content
Beige Ceramic Tile	ND
Yellow Adhesive	ND
Sample Composite Homogeneity: Moderate	

Location: B25-CWT4-03, 4"x4" beige ceramic wall tile

Lab ID-Version‡: 15992106-1

Sample Layers	Asbestos Content
Beige Ceramic Tile	ND
Yellow Adhesive	ND
Sample Composite Homogeneity: Moderate	

Location: B25-CBM4-01, 4" brown cove base

Lab ID-Version‡: 15992107-1

Sample Layers	Asbestos Content
Brown Baseboard	ND
Brown Mastic	ND
Sample Composite Homogeneity: Good	

Location: B25-CBM4-02, 4" brown cove base

Lab ID-Version‡: 15992108-1

Sample Layers	Asbestos Content
Brown Baseboard	ND
Brown Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: B25-CBM4-03, 4" brown cove base

Lab ID-Version‡: 15992109-1

Sample Layers	Asbestos Content
Brown Baseboard	ND
Brown Mastic	ND
Sample Composite Homogeneity: Good	

Location: B25-CT4-01, 2'x2' ceiling tile w/ gauges + pinholes

Lab ID-Version‡: 15992110-1

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	45% Cellulose 25% Glass Fibers
Sample Composite Homogeneity: Good	

Location: B25-CT4-02, 2'x2' ceiling tile w/ gauges + pinholes

Lab ID-Version‡: 15992111-1

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	45% Cellulose 25% Glass Fibers
Sample Composite Homogeneity: Good	

Location: B25-CT4-03, 2'x2' ceiling tile w/ gauges + pinholes

Lab ID-Version‡: 15992112-1

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	45% Cellulose 25% Glass Fibers
Sample Composite Homogeneity: Good	

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Re: Boys & Girls Home-HazMat Survey; Building 25 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: B25-CB-01, brown coark board

Lab ID-Version‡: 15992113-1

Sample Layers	Asbestos Content
Brown Fibrous Material	ND
Black Mastic	ND
Composite Non-Asbestos Content:	70% Cellulose
Sample Composite Homogeneity:	Moderate

Location: B25-CB-02, brown coark board

Lab ID-Version‡: 15992114-1

Sample Layers	Asbestos Content
Brown Fibrous Material	ND
Black Mastic	ND
Composite Non-Asbestos Content:	70% Cellulose
Sample Composite Homogeneity:	Moderate

Location: B25-CB-03, brown coark board

Lab ID-Version‡: 15992115-1

Sample Layers	Asbestos Content
Brown Fibrous Material	ND
Black Mastic	ND
Composite Non-Asbestos Content:	70% Cellulose
Sample Composite Homogeneity:	Moderate

Location: B25-EJC1-01, white expansion joint

Lab ID-Version‡: 15992116-1

Sample Layers	Asbestos Content
Tan Expansion Joint	4% Chrysotile
Sample Composite Homogeneity:	Good

Comments: Samples B25-EJC1-02 and B25-EJC1-03 were not analyzed due to prior positive series.

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ASBESTOS PLM REPORT

Location: B25-EJC2-01, black expansion joint

Lab ID-Version‡: 15992119-1

Sample Layers	Asbestos Content
Black Non-Fibrous Material	ND
Sample Composite Homogeneity: Good	

Location: B25-EJC2-02, black expansion joint

Lab ID-Version‡: 15992120-1

Sample Layers	Asbestos Content
Black Non-Fibrous Material	ND
Sample Composite Homogeneity: Good	

Location: B25-WC1-01, white window caulk

Lab ID-Version‡: 15992121-1

Sample Layers	Asbestos Content
White Caulk	5% Chrysotile
Sample Composite Homogeneity: Good	

Comments: Samples B25-WC1-02 and B25-WC1-03 were not analyzed due to prior positive series.

Location: B25-SF2-01, grey sheet flooring

Lab ID-Version‡: 15992124-1

Sample Layers	Asbestos Content
Gray Sheet Flooring with Fibrous Backing and Mastic	20% Chrysotile
Composite Non-Asbestos Content: 10% Cellulose	
Sample Composite Homogeneity: Good	

Comments: Sample layers inseparable without cross contamination. Samples B25-SF2-02 and 03 were not analyzed due to prior positive series.

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ASBESTOS PLM REPORT

Location: B25-TF-01, terazzo flooring

Lab ID-Version‡: 15992127-1

Sample Layers	Asbestos Content
Multicolored Flooring	ND
Sample Composite Homogeneity: Good	

Comments: Insufficient mastic for analysis.

Location: B25-TF-02, terazzo flooring

Lab ID-Version‡: 15992128-1

Sample Layers	Asbestos Content
Multicolored Flooring	ND
Sample Composite Homogeneity: Good	

Comments: Insufficient mastic for analysis.

Location: B25-TF-03, terazzo flooring

Lab ID-Version‡: 15992129-1

Sample Layers	Asbestos Content
Multicolored Flooring	ND
Sample Composite Homogeneity: Good	

Comments: Insufficient mastic for analysis.

Location: B25-VFT4-01, 12"x12" beige vinyl floor tile

Lab ID-Version‡: 15992130-1

Sample Layers	Asbestos Content
Beige Floor Tile	2% Chrysotile
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Comments: Samples B25-VFT4-02 and B25-VFT4-03 were not analyzed due to prior positive series.

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ASBESTOS PLM REPORT

Location: B25-VFT5-01, 9"x9" square pattern floor tile

Lab ID-Version‡: 15992133-1

Sample Layers	Asbestos Content
Tan Sheet Flooring with Fibrous Backing	ND
Composite Non-Asbestos Content:	40% Cellulose
Sample Composite Homogeneity:	Good

Location: B25-VFT5-02, 9"x9" square pattern floor tile

Lab ID-Version‡: 15992134-1

Sample Layers	Asbestos Content
Tan Sheet Flooring with Fibrous Backing	ND
Composite Non-Asbestos Content:	40% Cellulose
Sample Composite Homogeneity:	Good

Location: B25-VFT5-03, 9"x9" square pattern floor tile

Lab ID-Version‡: 15992135-1

Sample Layers	Asbestos Content
Tan Sheet Flooring with Fibrous Backing	ND
Composite Non-Asbestos Content:	40% Cellulose
Sample Composite Homogeneity:	Good

Location: B25-DI-01, brown duct insulation

Lab ID-Version‡: 15992136-1

Sample Layers	Asbestos Content
Brown Insulation	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Good

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Re: Boys & Girls Home-HazMat Survey; Building 25 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: B25-DI-02, brown duct insulation

Lab ID-Version‡: 15992137-1

Sample Layers	Asbestos Content
Brown Insulation	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Good

Location: B25-DI-03, brown duct insulation

Lab ID-Version‡: 15992138-1

Sample Layers	Asbestos Content
Brown Insulation	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Good

Location: B25-WG-01, window glaze

Lab ID-Version‡: 15992139-1

Sample Layers	Asbestos Content
Tan Window Glazing	ND
Sample Composite Homogeneity:	Good

Location: B25-WG-02, window glaze

Lab ID-Version‡: 15992140-1

Sample Layers	Asbestos Content
Tan Window Glazing	ND
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: B25-WG-03, window glaze

Lab ID-Version‡: 15992141-1

Sample Layers	Asbestos Content
Tan Window Glazing	ND
Sample Composite Homogeneity: Good	

Location: B25-DC-01, white door caulk

Lab ID-Version‡: 15992142-1

Sample Layers	Asbestos Content
Multicolored Caulk	5% Chrysotile
Sample Composite Homogeneity: Good	

Comments: Samples B25-DC-02 and B25-DC-03 were not analyzed due to prior positive series.

Location: B25-WC2-01, white window caulk

Lab ID-Version‡: 15992145-1

Sample Layers	Asbestos Content
Gray Caulk	ND
Sample Composite Homogeneity: Good	

Location: B25-WC2-02, white window caulk

Lab ID-Version‡: 15992146-1

Sample Layers	Asbestos Content
Gray Caulk	ND
Sample Composite Homogeneity: Good	

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Tetra Tech-KCMO

C/O: Mr. Jeffrey Mitchell

Date of Receipt: 06-19-2023

Re: Boys & Girls Home-HazMat Survey; Building 25 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: B25-WC2-03, white window caulk

Lab ID-Version‡: 15992147-1

Sample Layers	Asbestos Content
Gray Caulk	ND
Sample Composite Homogeneity: Good	

Location: B25-EJ2-01, white expansion joint

Lab ID-Version‡: 15992148-1

Sample Layers	Asbestos Content
White Expansion Joint	2% Chrysotile
Sample Composite Homogeneity: Good	

Comments: Sample B25-EJ2-02 was not analyzed due to prior positive series.

Location: B25-CFT1-01, 1"x1" green ceramic floor tile

Lab ID-Version‡: 15992150-1

Sample Layers	Asbestos Content
Green Ceramic Tile	ND
Yellow Adhesive	ND
Gray Grout	ND
Sample Composite Homogeneity: Poor	

Location: B25-CFT1-02, 1"x1" green ceramic floor tile

Lab ID-Version‡: 15992151-1

Sample Layers	Asbestos Content
Green Ceramic Tile	ND
Yellow Adhesive	ND
Gray Grout	ND
Sample Composite Homogeneity: Poor	

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Client: Tetra Tech-KCMO

C/O: Mr. Jeffrey Mitchell

Date of Receipt: 06-19-2023

Re: Boys & Girls Home-HazMat Survey; Building 25 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: B25-CFT1-03, 1"x1" green ceramic floor tile

Lab ID-Version‡: 15992152-1

Sample Layers	Asbestos Content
Green Ceramic Tile	ND
Yellow Adhesive	ND
Gray Grout	ND
Sample Composite Homogeneity: Poor	

Location: B25-CFT2-01, 6"x6" red ceramic floor tile

Lab ID-Version‡: 15992153-1

Sample Layers	Asbestos Content
Red Ceramic Tile	ND
Gray Grout	ND
Sample Composite Homogeneity: Poor	

Location: B25-CFT2-02, 6"x6" red ceramic floor tile

Lab ID-Version‡: 15992154-1

Sample Layers	Asbestos Content
Red Ceramic Tile	ND
Gray Grout	ND
Sample Composite Homogeneity: Poor	

Location: B25-CFT2-03, 6"x6" red ceramic floor tile

Lab ID-Version‡: 15992155-1

Sample Layers	Asbestos Content
Red Ceramic Tile	ND
Gray Grout	ND
Sample Composite Homogeneity: Poor	

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 Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4802
 SSF, CA: 5000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 880-6553

CONTACT INFORMATION

Company:	Tetra Tech, Inc.	Address:	415 Oak Street, Kansas City, MO 64106
Contact:	Jeffrey Mitchell	Special Instructions:	Stop on 1st Positive
Phone:	816-412-1773		

PROJECT INFORMATION

TURN AROUND TIME CODES (TAT)

Project ID:	Boys & Girls Home - HazMat Survey			STD - Standard (DEFAULT)	Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description:	Building 25			ND - Next Business Day	
Project Zip Code:	51104	Sampling Date & Time:	6-14-23	SD - Same Business Day Rush*	
PO Number:	103G65210190.17.05	Sampled By:	Stephen Knerr	*Please call Client Services for locations with Rush services	

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
325-CT1-01	2x4' ceiling tile w/ fissures	B	STD		
↓-02	Pinholes				
↓-03					
CT2-01	2x2' ceiling tile w/ fissures				
↓-02	pinholes				
↓-03					
CT3-01	12"x12" white ceiling tile				
↓-02					
↓-03					
SD-01	Room Blue Dot				
↓-02					
↓-03					

ANALYSIS

REQ#



003294477

PCM Air

Other Requests

Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA
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SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe	<i>[Signature]</i>	6-16-23/SSC	JM FX 915	6/19/23
B - Bulk	T - Tape				
D - Dust	R - Rock				
SD - Soil	O - Other				

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SSF, CA: 8000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 888-6853

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ASBESTOS ANALYSIS

REQU



PCM
Air

Other
Requests

CONTACT INFORMATION					
Company:	Tetra Tech, Inc.		Address: 415 Oak Street, Kansas City, MO 64106		
Contact:	Jeffrey Mitchell		Special Instructions: Stop on 1st Positive		
Phone:	816-412-1773				
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID:	Boys & Girls Home - HazMat Survey		STD - Standard (DEFAULT)		Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description:	Building 25		ND - Next Business Day		
Project Zip Code:	51104	Sampling Date & Time:	SD - Same Business Day Rush		
PO Number:	103G65210190.17.05	Sampled By:	Stephen Knerr		
			*Please call Client Services for locations with Rush services		
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
Pl-01	Plaster w/ Skin Coat	B	STD		
1-02					
1-03					
1-04					
1-05					
1-06					
1-07					
D-2001	Downfall of Joint Compound				
1-02					
1-07					
1-04					

Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA
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New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 * (866) 871-1984
 Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4902
 SF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 888-6653

3 of 11

ASBESTOS ANALYSIS

REQ#



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Qty

Other Requests

PCM
Air

CONTACT INFORMATION	
Company: Tetra Tech, Inc.	Address: 415 Oak Street, Kansas City, MO 64108
Contact: Jeffrey Mitchell	Special Instructions: Stop on 1st Positive
Phone: 816-412-1773	

PROJECT INFORMATION		TURN AROUND TIME CODES (TAT)	
Project ID: Boys & Girls Home - HazMat Survey		STD - Standard (DEFAULT)	Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description: Building 25		ND - Next Business Day	
Project Zip Code: 51104	Sampling Date & Time: 6-14-23	SD - Same Business Day Rush	
PO Number: 103G65210190,17.05	Sampled By: Stephen Kriem	*Please call Client Services for locations with Rush services	

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (All Samples only)	Notes
B-25 D-06	Drywall Joint Compound	D	STD		
D-07					
SO-01	Beige Sheet Flooring				
D-02					
D-07					
Control	4" Plastic Core Base				
D-02					
D-03					
Control	6" Black Core Base				
D-02					
D-03					

Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA
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New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 * (866) 671-1994
 Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4802
 SSF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 888-6654

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ASBESTOS ANALYSIS

CONTACT INFORMATION	
Company: Tetra Tech, Inc.	Address: 415 Oak Street, Kansas City, MO 64108
Contact: Jeffrey Mitchell	Special Instructions: Stop on 1st Positive
Phone: 816-412-1773	

PROJECT INFORMATION		TURN AROUND TIME CODES (TAT)	
Project ID: Boys & Girls Home - HazMat Survey		STD - Standard (DEFAULT)	Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description: <i>Bricklay 25</i>		ND - Next Business Day	
Project Zip Code: 51104	Sampling Date & Time: <i>6-14-23</i>	SD - Same Business Day Rush	
PO Number: 103G66210190.17.05	Sampled By: Stephen Kivner	*Please call Client Services for locations with Rush services	

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
<i>B-25</i> C017-01	<i>4" off-white Car Base</i>	<i>B</i>	<i>STD</i>		
<i>1-02</i>					
<i>1-03</i>					
C011-01	<i>4" x 4" Green Ceramic Wall Tile</i>				
<i>1-02</i>					
<i>1-03</i>					
V1-01	<i>Vermiculite Attic Insulation</i>				
V2-01	<i>12" x 12" Gray Vinyl Floor Tile w/</i>	<i>B</i>			
<i>1-02</i>	<i>Brown Grout</i>				
<i>1-03</i>					
W017-01	<i>Brown Wall Mastic</i>	<i>N</i>			

REC (low)											Other Requests	
PCM Air												
 003294477												
Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLIM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	GARB 435 Method (400 Point Count)	GARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA		
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SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe	<i>[Signature]</i>	<i>6-16-23/1506</i>		
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other				

New Jersey: 3800 Lincoln Drive East, Suite A, Marlton, NJ 08053 * (866) 671-1984
 Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (602) 651-4802
 SF, CA: 8000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 888-6653

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ASBESTOS ANALYSIS

REQUI



003294477

PCM
Air

Other
requests

CONTACT INFORMATION

Company:	Tetra Tech, Inc.	Address:	415 Oak Street, Kansas City, MO 64106
Contact:	Jeffrey Mitchell	Special Instructions:	Stop on 1st Positive
Phone:	816-412-1773		

PROJECT INFORMATION

TURN AROUND TIME CODES (TAT)

Project ID:	Boys & Girls Home - HazMat Survey			STD - Standard (DEFAULT)	Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description:	<i>Building 2B</i>			ND - Next Business Day	
Project Zip Code:	51104	Sampling Date & Time:	<i>6/14/23</i>	SD - Same Business Day Rush*	
PO Number:	103065210190.17.05	Sampled By:	Stephen Knorr	*Please call Client Services for locations with Rush services.	

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (All Samples only)	Notes
<i>325-Ver-01</i>	<i>9x9" Red Vinyl Floor Tile</i>	<i>B</i>	<i>STD</i>		
<i>-02</i>					
<i>Ver-03</i>					
<i>-02</i>					
<i>Ver-01</i>	<i>9x9" Green Vinyl Floor Tile</i>				
<i>-02</i>					
<i>Ver-03</i>					
<i>-02</i>					
<i>Ver-01</i>	<i>3x3" White Ceramic Wall Tile</i>				
<i>-02</i>					
<i>Ver-03</i>					
<i>-02</i>					
<i>Ver-01</i>	<i>Air-O-Cell Pipe Insulation</i>				
<i>-02</i>					
<i>Ver-03</i>					

Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA
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SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe	<i>[Signature]</i>	<i>6/14/23/1500</i>		
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other				

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 SSF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 888-6653

707-11

ASBESTOS ANALYSIS

REQ#



003294477

PCM
Air

Other
Requests

CONTACT INFORMATION

Company:	Tetra Tech, Inc.	Address:	415 Oak Street, Kansas City, MO 64106
Contact:	Jeffrey Mitchell	Special Instructions:	Stop on 1st Positive
Phone:	816-412-1773		

PROJECT INFORMATION

TURN AROUND TIME CODES (TAT)

Project ID:	Boys & Girls Home - HazMat Survey	STD - Standard (DEFAULT)	Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description:	Building 25	ND - Next Business Day	
Project Zip Code:	51104	SD - Same Business Day Rush*	
PO Number:	103665210190.17.05	*Please call Client Services for locations with Rush services	
Sampling Date & Time:	6-14-23	Sampled By:	Stephen Kner

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
325-01-01	4"x4" beige Ceramic wall tile	D	STD		
↓-02					
↓-03					
325-01-01	4" Brown Cork Board				
↓-02					
↓-03					
325-01-01	2"x2" Ceiling Tile w/ Grout				
↓-02	↓ Pinholes				
↓-03					
325-01-01	Brown Cork Board				
↓-02					
↓-03					

Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA
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SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe	<i>[Signature]</i>	6-16-23 / 1506		
B - Bulk	T - Tape				
D - Dust	R - Rock				
SD - Soil	O - Other				

New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 * (866) 871-1984
 Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4802
 SSF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 888-6653

CONTACT INFORMATION

Company:	Tetra Tech, Inc.	Address:	416 Oak Street, Kansas City, MO 64106
Contact:	Jeffrey Mitchell	Special Instructions:	Stop on 1st Positive
Phone:	816-412-1773		

PROJECT INFORMATION

TURN AROUND TIME CODES (TAT)

Project ID:	Boys & Girls Home - HazMat Survey		STD - Standard (DEFAULT)	Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.	
Project Description:	Bining 25		ND - Next Business Day		
Project Zip Code:	51104	Sampling Date & Time:	6/6/23		SD - Same Business Day Rush
PO Number:	103065210190,17.05	Sampled By:	Stephen Kherr		*Please call Client Services for locations with Rush services

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
BAS-502-01	White Expansion Joint	R	STD		
-02					
-03					
BAS-502-01	Black Expansion Joint				
-02					
BAS-502-01	White Window Casings				
-02					
-03					
BAS-502-01	Grey Street Flooring				
-02					
-03					

ASBESTOS ANALYSIS

REQUE



003294477

PCM Air

Other requests

Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA
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SAMPLE TYPE CODES	RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air W - Wipe B - Bulk T - Tape D - Dust R - Rock SD - Soil O - Other:	<i>Stephen Kherr</i>	6/6/23/1500		

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at <http://www.emlab.com/terms-of-service>

New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 * (866) 871-1984
Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4802
SF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 888-6653

10/2/11

ASBESTOS ANALYSIS

REC

PCM
Air



003294477

(low)

Other
Requests

CONTACT INFORMATION

Company:	Tetra Tech, Inc.	Address:	415 Oak Street, Kansas City, MO 64106
Contact:	Jeffrey Mitchell	Special Instructions:	Stop on 1st Positive
Phone:	816-412-1773		

PROJECT INFORMATION

TURN AROUND TIME CODES (TAT)

Project ID:	Boys & Girls Home - HazMat Survey		STD - Standard (DEFAULT)	Rushes received after 2pm or on weekends, will be considered, received the next business day. Please alert us in advance of weekend analysis needs.	
Project Description:	Burling 25		ND - Next Business Day		
Project Zip Code:	51104	Sampling Date & Time:	6/14/11		SD - Same Business Day Rush*
PO Number:	103065210190.17.05	Sampled By:	Stephen Knerr		*Please call Client Services for locations with Rush services

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
B25-106-01	White Glaze	D	STD		
1-02					
1-03					
106-01	White Door Cante				
1-02					
1-03					
102-01	White Linen Cante				
1-02					
1-03					
102-01	White Expense Tanta				
1-02					

Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLEM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARS 435 Method (400 Point Count)	CARS 435 Method (1000 Point Count)	Lead Analysis - Flame AA		
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SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe		6/16/2011		
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other				

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 SSF, CA: 8000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 888-6653

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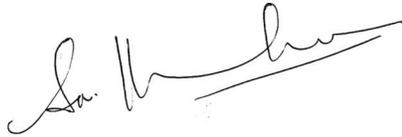
ARRESTOS ANALYSIS											
PCM Air		REG  003294477								Other Requests	
Fiber Count (NIOSH 7400)	OSHA with TVM	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA	
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Report for:

Mr. Jeffrey Mitchell
Tetra Tech-KCMO
415 Oak Street
Kansas City, MO 64106

Regarding: Eurofins EPK Built Environment Testing, LLC
Project: Boys & Girls Home - HazMat Survey; Chapel
EML ID: 3294564

Approved by:



Cluster Leader
Dr. Kamash Pillai

Dates of Analysis:

Asbestos PLM: 06-20-2023 and 06-21-2023

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)
NVLAP Lab Code 600194-0

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EPK Built Environment Testing, LLC ("the Company"), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: Tetra Tech-KCMO
 C/O: Mr. Jeffrey Mitchell
 Re: Boys & Girls Home - HazMat Survey; Chapel

Date of Sampling: 06-13-2023
 Date of Receipt: 06-19-2023
 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Total Samples Submitted:	69
Total Samples Analyzed:	49
Total Samples with Layer Asbestos Content > 1%:	11

Location: C-VFT1-01, 9"x9" red vinyl floor tile

Lab ID-Version‡: 15992761-1

Sample Layers	Asbestos Content
Red Floor Tile	8% Chrysotile
Sample Composite Homogeneity: Good	

Comments: Samples C-VFT1-02 and C-VFT1-03 were not analyzed due to prior positive series.

Location: C-VI-01, Vermiculite attic insulation

Lab ID-Version‡: 15992764-1

Sample Layers	Asbestos Content
Gold Vermiculite Insulation	< 1% Actinolite
Composite Non-Asbestos Content: 95% Vermiculite	
Sample Composite Homogeneity: Good	

Comments: Due to excessive sample size a subsample was isolated and analyzed.

Location: C-PL-01, Plaster w/ skim coat

Lab ID-Version‡: 15992765-1

Sample Layers	Asbestos Content
Gray Plaster	ND
White Skim Coat with Paint	ND
Sample Composite Homogeneity: Good	

Location: C-PL-02, Plaster w/ skim coat

Lab ID-Version‡: 15992766-1

Sample Layers	Asbestos Content
Gray Plaster	ND
White Skim Coat with Paint	ND
Sample Composite Homogeneity: Good	

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Tetra Tech-KCMO
 C/O: Mr. Jeffrey Mitchell
 Re: Boys & Girls Home - HazMat Survey; Chapel

Date of Sampling: 06-13-2023
 Date of Receipt: 06-19-2023
 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: C-PL-03, Plaster w/ skim coat

Lab ID-Version‡: 15992767-1

Sample Layers	Asbestos Content
Gray Plaster	ND
White Skim Coat with Paint	ND
Sample Composite Homogeneity: Good	

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Client: Tetra Tech-KCMO
 C/O: Mr. Jeffrey Mitchell
 Re: Boys & Girls Home - HazMat Survey; Chapel

Date of Sampling: 06-13-2023
 Date of Receipt: 06-19-2023
 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: C-PL-04, Plaster w/ skim coat

Lab ID-Version‡: 15992768-1

Sample Layers	Asbestos Content
Gray Plaster	ND
White Skim Coat with Paint	ND
Sample Composite Homogeneity: Good	

Location: C-PL-05, Plaster w/ skim coat

Lab ID-Version‡: 15992769-1

Sample Layers	Asbestos Content
Gray Plaster	ND
White Skim Coat with Paint	ND
Sample Composite Homogeneity: Good	

Location: C-PL-06, Plaster w/ skim coat

Lab ID-Version‡: 15992770-1

Sample Layers	Asbestos Content
Gray Plaster	ND
White Skim Coat with Paint	ND
Sample Composite Homogeneity: Good	

Location: C-PL-07, Plaster w/ skim coat

Lab ID-Version‡: 15992771-1

Sample Layers	Asbestos Content
Gray Plaster	ND
White Skim Coat with Paint	ND
Sample Composite Homogeneity: Good	

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Client: Tetra Tech-KCMO
 C/O: Mr. Jeffrey Mitchell
 Re: Boys & Girls Home - HazMat Survey; Chapel

Date of Sampling: 06-13-2023
 Date of Receipt: 06-19-2023
 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: C-DWJC-01, Drywall w/ joint compound

Lab ID-Version‡: 15992772-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Comments: No joint compound present in sample bag.

Location: C-DWJC-02, Drywall w/ joint compound

Lab ID-Version‡: 15992773-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Comments: No joint compound present in sample bag.

Location: C-DWJC-03, Drywall w/ joint compound

Lab ID-Version‡: 15992774-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Comments: No joint compound present in sample bag.

Location: C-TSI-01, Air o cell pipe insulation

Lab ID-Version‡: 15992775-1

Sample Layers	Asbestos Content
White Pipe Insulation	60% Chrysotile
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Good

Comments: Samples C-TSI-02 and C-TSI-03 were not analyzed due to prior positive series.

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Client: Tetra Tech-KCMO
 C/O: Mr. Jeffrey Mitchell
 Re: Boys & Girls Home - HazMat Survey; Chapel

Date of Sampling: 06-13-2023
 Date of Receipt: 06-19-2023
 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: C-WM-01, Brown wall mastic

Lab ID-Version‡: 15992778-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: C-WM-02, Brown wall mastic

Lab ID-Version‡: 15992779-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: C-WM-03, Brown wall mastic

Lab ID-Version‡: 15992780-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: C-WI-01, Gray wall insulation

Lab ID-Version‡: 15992781-1

Sample Layers	Asbestos Content
Black Non-Fibrous Material	ND
Gray Insulation	ND
Composite Non-Asbestos Content: 40% Cellulose	
Sample Composite Homogeneity: Good	

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Client: Tetra Tech-KCMO
 C/O: Mr. Jeffrey Mitchell
 Re: Boys & Girls Home - HazMat Survey; Chapel

Date of Sampling: 06-13-2023
 Date of Receipt: 06-19-2023
 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: C-WI-02, Gray wall insulation

Lab ID-Version‡: 15992782-1

Sample Layers	Asbestos Content
Black Non-Fibrous Material	ND
Gray Insulation	ND
Composite Non-Asbestos Content:	40% Cellulose
Sample Composite Homogeneity:	Good

Location: C-WI-03, Gray wall insulation

Lab ID-Version‡: 15992783-1

Sample Layers	Asbestos Content
Black Non-Fibrous Material	ND
Gray Insulation	ND
Composite Non-Asbestos Content:	40% Cellulose
Sample Composite Homogeneity:	Good

Location: C-WG1-01, Window glaze

Lab ID-Version‡: 15992784-1

Sample Layers	Asbestos Content
Tan Window Glazing	5% Chrysotile
Sample Composite Homogeneity:	Good

Comments: Samples C-WG1-02 and C-WG1-03 were not analyzed due to prior positive series.

Location: C-VFT2-01, 12"x12" beige vinyl floor tile w/ gray streaks

Lab ID-Version‡: 15992787-1

Sample Layers	Asbestos Content
Beige Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity:	Good

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Client: Tetra Tech-KCMO
 C/O: Mr. Jeffrey Mitchell
 Re: Boys & Girls Home - HazMat Survey; Chapel

Date of Sampling: 06-13-2023
 Date of Receipt: 06-19-2023
 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: C-VFT2-02, 12"x12" beige vinyl floor tile w/ gray streaks

Lab ID-Version‡: 15992788-1

Sample Layers	Asbestos Content
Beige Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: C-VFT2-03, 12"x12" beige vinyl floor tile w/ gray streaks

Lab ID-Version‡: 15992789-1

Sample Layers	Asbestos Content
Beige Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: C-CT-01, 2'x2' ceiling tile w/ fissure + pinholes

Lab ID-Version‡: 15992790-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	30% Mineral Wool 20% Cellulose
Sample Composite Homogeneity: Good	

Location: C-CT-02, 2'x2' ceiling tile w/ fissure + pinholes

Lab ID-Version‡: 15992791-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	30% Mineral Wool 20% Cellulose
Sample Composite Homogeneity: Good	

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 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: C-CT-03, 2'x2' ceiling tile w/ fissure + pinholes

Lab ID-Version‡: 15992792-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	30% Mineral Wool 20% Cellulose
Sample Composite Homogeneity:	Good

Location: C-CBM1-01, 4" brown cove base

Lab ID-Version‡: 15992793-1

Sample Layers	Asbestos Content
Brown Baseboard	ND
Dark Brown Mastic	ND
Sample Composite Homogeneity:	Good

Location: C-CBM1-02, 4" brown cove base

Lab ID-Version‡: 15992794-1

Sample Layers	Asbestos Content
Brown Baseboard	ND
Dark Brown Mastic	ND
Sample Composite Homogeneity:	Good

Location: C-CBM1-03, 4" brown cove base

Lab ID-Version‡: 15992795-1

Sample Layers	Asbestos Content
Brown Baseboard	ND
Dark Brown Mastic	ND
Sample Composite Homogeneity:	Good

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 Re: Boys & Girls Home - HazMat Survey; Chapel

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 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: C-CBM2-01, 6" black cove base

Lab ID-Version‡: 15992796-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Dark Brown Mastic	ND
Sample Composite Homogeneity: Good	

Location: C-CBM2-02, 6" black cove base

Lab ID-Version‡: 15992797-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Dark Brown Mastic	ND
Sample Composite Homogeneity: Good	

Location: C-CBM2-03, 6" black cove base

Lab ID-Version‡: 15992798-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Dark Brown Mastic	ND
Sample Composite Homogeneity: Good	

Location: C-TF-01, terazzo flooring

Lab ID-Version‡: 15992799-1

Sample Layers	Asbestos Content
Multicolored Flooring	ND
Sample Composite Homogeneity: Good	

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 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: C-TF-02, terazzo flooring

Lab ID-Version‡: 15992800-1

Sample Layers	Asbestos Content
Multicolored Flooring	ND
Sample Composite Homogeneity: Good	

Location: C-TF-03, terazzo flooring

Lab ID-Version‡: 15992801-1

Sample Layers	Asbestos Content
Multicolored Flooring	ND
Sample Composite Homogeneity: Good	

Location: C-PWC-01, plaster wall coating

Lab ID-Version‡: 15992802-1

Sample Layers	Asbestos Content
Black Coating with Paint	ND
Sample Composite Homogeneity: Good	

Location: C-PWC-02, plaster wall coating

Lab ID-Version‡: 15992803-1

Sample Layers	Asbestos Content
Black Coating with Paint	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: C-RF-01, black roof flashing

Lab ID-Version‡: 15992805-1

Sample Layers	Asbestos Content
Gray/Black Roof Flashing	10% Chrysotile
Composite Non-Asbestos Content:	25% Cellulose
Sample Composite Homogeneity: Good	

Comments: Samples C-RF-02 and C-RF-03 were not analyzed due to prior positive series.

Location: C-RF2-01, black roof flashing

Lab ID-Version‡: 15992808-1

Sample Layers	Asbestos Content
Gray/Black Roof Flashing	10% Chrysotile
Sample Composite Homogeneity: Good	

Comments: Samples C-RF2-02 and C-RF2-03 were not analyzed due to prior positive series.

Location: C-RC-01, roof core

Lab ID-Version‡: 15992811-1

Sample Layers	Asbestos Content
Black Roofing Material	ND
Black Tar Paper	ND
Brown Insulation	ND
Black Tar	ND
Composite Non-Asbestos Content:	45% Cellulose
Sample Composite Homogeneity: Good	

Location: C-RC-02, roof core

Lab ID-Version‡: 15992812-1

Sample Layers	Asbestos Content
Black Roofing Material	ND
Black Tar Paper	ND
Brown Insulation	ND
Black Tar	ND
Composite Non-Asbestos Content:	45% Cellulose
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: C-WC1-01, black window caulk

Lab ID-Version‡: 15992813-1

Sample Layers	Asbestos Content
Black Caulk	4% Chrysotile
Sample Composite Homogeneity: Good	

Comments: Sample C-WC1-02 was not analyzed due to prior positive series.

Location: C-WC2-01, white window caulk

Lab ID-Version‡: 15992815-1

Sample Layers	Asbestos Content
Off-White Caulk	4% Chrysotile
Sample Composite Homogeneity: Good	

Comments: Sample C-WC2-02 was not analyzed due to prior positive series.

Location: C-EJC-01, expansion joint

Lab ID-Version‡: 15992817-1

Sample Layers	Asbestos Content
White Expansion Joint	5% Chrysotile
Sample Composite Homogeneity: Good	

Comments: Sample C-EJC-02 was not analyzed due to prior positive series.

Location: C-WG2-01, window glaze

Lab ID-Version‡: 15992819-1

Sample Layers	Asbestos Content
White Window Glazing	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: C-WG2-02, window glaze

Lab ID-Version‡: 15992820-1

Sample Layers	Asbestos Content
White Window Glazing	ND
Sample Composite Homogeneity: Good	

Location: C-WC3-01, white window caulk

Lab ID-Version‡: 15992821-1

Sample Layers	Asbestos Content
Tan Caulk	4% Chrysotile
Sample Composite Homogeneity: Good	

Comments: Samples C-WC3-02 and C-WC3-03 were not analyzed due to prior positive series.

Location: C-SL-01, black waterproof sealant

Lab ID-Version‡: 15992824-1

Sample Layers	Asbestos Content
Black Sealant	3% Chrysotile
Sample Composite Homogeneity: Good	

Comments: Samples C-SL-02 and C-SL-03 were not analyzed due to prior positive series.

Location: C-DC-01

Lab ID-Version‡: 16009757-1

Sample Layers	Asbestos Content
Tan Caulk	3% Chrysotile
Sample Composite Homogeneity: Good	

Comments: Samples C-DC-02 and C-DC-03 were not analyzed due to prior positive series.

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 Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 851-4802
 SSF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 888-8653

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ASBESTOS ANALYSIS

REQUEST



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CONTACT INFORMATION

Company:	Tetra Tech, Inc.	Address:	415 Oak Street, Kansas City, MO 64106
Contact:	Jeffrey Mitchell	Special Instructions:	Stop on 1st Positive
Phone:	816-412-1773		

PROJECT INFORMATION

TURN AROUND TIME CODES (TAT)

Project ID:	Boys & Girls Home - HazMat Survey	STD - Standard (DEFAULT)	Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description:	Chapel	ND - Next Business Day	
Project Zip Code:	51104	SD - Same Business Day Rush*	
PO Number:	103065210190.17.05	*Please call Client Services for locations with Rush services	
Sampling Date & Time:	6-13-23	Sampled By:	Stephen Kherr

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
9-01	9'x9' Red Vinyl Base Tile	D	STD		
9-02					
9-03					
9-04	Vertical W/te After Installation				
9-05	Plaster of Skan Coat				
9-06					
9-07					
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9-09					
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Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA
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 SSF, GA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 888-6653

CONTACT INFORMATION

Company:	Tetra Tech, Inc.	Address:	415 Oak Street, Kansas City, MO 64106
Contact:	Jeffrey Mitchell	Special Instructions:	Stop on 1st Positive
Phone:	816-412-1773		

PROJECT INFORMATION

TURN AROUND TIME CODES (TAT)

Project ID:	Boys & Girls Home - HazMat Survey		STD - Standard (DEFAULT)	Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.	
Project Description:	Crawled		ND - Next Business Day		
Project Zip Code:	51104	Sampling Date & Time:	6-17-23		SD - Same Business Day Rush
PO Number:	103G65210190.17.06	Sampled By:	Stephen Kherr		*Please call Client Services for locations with Rush services

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (All Samples only)	Notes
WG-01	Widow's Glaze	D	STD		
L-02	↓				
L-03	↓				
VER-01	12"x12" Beige Vinyl Floor Tile				
L-02	Grey Staircase				
L-03	↓				
CE-01	2"x2" Ceiling Tile w/ Fiberglass				
L-02	↓				
L-03	↓				
CON-01	4" Brown Concrete Dust				
L-02	↓				
L-03	↓				

AIR ANALYSIS

REQ



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Other Requests

Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA		
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SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe		6/16/23/150N		
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other				

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at <http://www.emlab.com/terms-of-service>

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 SSF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94020 * (866) 688-8653

CONTACT INFORMATION

Company:	Tetra Tech, Inc.	Address:	415 Oak Street, Kansas City, MO 64106
Contact:	Jeffrey Mitchell	Special Instructions:	Stop on 1st Positive
Phone:	816-412-1773		

PROJECT INFORMATION

TURN AROUND TIME CODES (TAT)

Project ID:	Boys & Girls Home - HazMat Survey		STD - Standard (DEFAULT)	Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.	
Project Description:	Chapel		ND - Next Business Day		
Project Zip Code:	51104	Sampling Date & Time:	6-17-23		SD - Same Business Day Rush
PO Number:	103G65210190.17.05	Sampled By:	Stephen Kherr		*Please call Client Services for locations with Rush services

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
R22-01	Black Roof Placing	B	STD		
↓-02					
↓-03					
R20-01	Roof Core				
↓-02					
R20-01	Black W/Intens Core				
↓-02					
R22-01	White W/Intens Core				
↓-02					
R20-01	Expansion Joint				
↓-02					

S J B

AS1

REQUEST

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PCM Air

other requests

Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysts - Flame AA
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SAMPLE TYPE CODES	RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air W - Wipe B - Bulk T - Tape D - Dust R - Rock SD - Soil O - Other		6/16/23/1500		

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 SF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 888-6653

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ACRESTOS ANALYSIS

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PCM
Air

Other
Requests

CONTACT INFORMATION

Company:	Tetra Tech, Inc.	Address:	415 Oak Street, Kansas City, MO 64108
Contact:	Jeffrey Mitchell	Special Instructions:	Stop on 1st Positive
Phone:	816-412-1773		

PROJECT INFORMATION

TURN AROUND TIME CODES (TAT)

Project ID:	Boys & Girls Home - HazMat Survey		STD - Standard (DEFAULT)	Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.	
Project Description:	Crescent		ND - Next Business Day		
Project Zip Code:	51104	Sampling Date & Time:	6-13-23		SD - Same Business Day Rush
PO Number:	10365210190.17.05	Sampled By:	Stephen Knier		*Please call Client Services for locations with Rush services

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (All Samples only)	Notes
402-01	Window Glass	D	STD		
402-02					
403-01	White Window Casings				
403-02					
403-03					
404-01	Black Waterproof Sealant				
404-02					
404-03					

Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA
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A - Air	W - Wipe		6/13/23/1500		
B - Bulk	T - Tape				
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Report for:

Mr. Jeffrey Mitchell
Tetra Tech-KCMO
415 Oak Street
Kansas City, MO 64106

Regarding: Eurofins EPK Built Environment Testing, LLC
Project: Boys & Girls Home-HazMat Survey; Garage
EML ID: 3294968

Approved by:



Approved Signatory
Balu Krishnan

Dates of Analysis:
Asbestos PLM: 06-20-2023

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)
NVLAP Lab Code 200844-0

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

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Client: Tetra Tech-KCMO
 C/O: Mr. Jeffrey Mitchell
 Re: Boys & Girls Home-HazMat Survey; Garage

Date of Receipt: 06-19-2023
 Date of Report: 06-20-2023

ASBESTOS PLM REPORT

Total Samples Submitted:	9
Total Samples Analyzed:	7
Total Samples with Layer Asbestos Content > 1%:	1

Location: G-RM-01, Black roofing material

Lab ID-Version‡: 15994710-1

Sample Layers	Asbestos Content
Black Tar Paper	ND
Composite Non-Asbestos Content:	60% Cellulose
Sample Composite Homogeneity:	Good

Location: G-RM-02, Black roofing material

Lab ID-Version‡: 15994711-1

Sample Layers	Asbestos Content
Black Tar Paper	ND
Composite Non-Asbestos Content:	60% Cellulose
Sample Composite Homogeneity:	Good

Location: G-RM-03, Black roofing material

Lab ID-Version‡: 15994712-1

Sample Layers	Asbestos Content
Black Tar Paper	ND
Composite Non-Asbestos Content:	60% Cellulose
Sample Composite Homogeneity:	Good

Location: G-RF-01, Gray roof flashing

Lab ID-Version‡: 15994713-1

Sample Layers	Asbestos Content
Gray/Black Roof Flashing	8% Chrysotile
Sample Composite Homogeneity:	Good

Comments: Samples G-RF-02 and 03 were not analyzed due to prior positive series.

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‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Tetra Tech-KCMO
 C/O: Mr. Jeffrey Mitchell
 Re: Boys & Girls Home-HazMat Survey; Garage

Date of Receipt: 06-19-2023
 Date of Report: 06-20-2023

ASBESTOS PLM REPORT

Location: G-RS-01, Brown roof shingle

Lab ID-Version‡: 15994716-1

Sample Layers	Asbestos Content
Black Roofing Shingle / Brown Pebbles	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Good

Location: G-RS-02, Brown roof shingle

Lab ID-Version‡: 15994717-1

Sample Layers	Asbestos Content
Black Roofing Shingle / Brown Pebbles	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Good

Location: G-RS-03, Brown roof shingle

Lab ID-Version‡: 15994718-1

Sample Layers	Asbestos Content
Black Roofing Shingle / Brown Pebbles	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Good

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Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4802
SSF, CA: 8000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 888-6663



REL

(below)

PCM Air	PLM						Rock & Soil	Other Requests			
	Bulk										
Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA	
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CONTACT INFORMATION					
Company:	Tetra Tech, Inc.		Address: 415 Oak Street, Kansas City, MO 64106		
Contact:	Jeffrey Mitchell		Special Instructions:		
Phone:	816-412-1773		Stop on 1st Positive		
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID:	Boys & Girls Home - HazMat Survey		STD - Standard (DEFAULT)		Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description:	Gomyle		ND - Next Business Day		
Project Zip Code:	51104	Sampling Date & Time:	6-15-23		
PO Number:	103G65210190.17.05	Sampled By:	Stephen Knerr		
			*Please call Client Services for locations with Rush services		
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
Rm-01 -02	Black Roofing Material	B	STD		
V-03					
Rf-01 -02	Grey Roof Gypsum				
V-03					
Rc-01 -02	Brown Roof Shingles				
V-03					

SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe		6-16-23/1500	JM/FE 956/17/23	
B - Bulk	T - Tape				
D - Dust	R - Rock				
SD - Soil	O - Other				

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at <http://www.emlab.com/terms-of-service>

Report for:

Mr. Jeffrey Mitchell
Tetra Tech-KCMO
415 Oak Street
Kansas City, MO 64106

Regarding: Eurofins EPK Built Environment Testing, LLC
Project: Boys & Girls Home-HazMat Survey; Library
EML ID: 3294853

Approved by:



Approved Signatory
Balu Krishnan

Dates of Analysis:
Asbestos PLM: 06-20-2023

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)
NVLAP Lab Code 200844-0

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Client: Tetra Tech-KCMO
 C/O: Mr. Jeffrey Mitchell
 Re: Boys & Girls Home-HazMat Survey; Library

Date of Receipt: 06-19-2023
 Date of Report: 06-20-2023

ASBESTOS PLM REPORT

Total Samples Submitted: 24
Total Samples Analyzed: 22

Total Samples with Layer Asbestos Content > 1%: 1

Location: LB-CT1-01, 2"x2" ceiling tile w/ fissures + pinholes

Lab ID-Version‡: 15994118-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose 15% Mineral Wool
Sample Composite Homogeneity:	Good

Location: LB-CT1-02, 2"x2" ceiling tile w/ fissures + pinholes

Lab ID-Version‡: 15994119-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose 15% Mineral Wool
Sample Composite Homogeneity:	Good

Location: LB-CT1-03, 2"x2" ceiling tile w/ fissures + pinholes

Lab ID-Version‡: 15994120-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose 15% Mineral Wool
Sample Composite Homogeneity:	Good

Location: LB-CT2-01, 2"x4" ceiling tile w/ pinholes

Lab ID-Version‡: 15994121-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose 10% Mineral Wool
Sample Composite Homogeneity:	Good

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Client: Tetra Tech-KCMO
 C/O: Mr. Jeffrey Mitchell
 Re: Boys & Girls Home-HazMat Survey; Library

Date of Receipt: 06-19-2023
 Date of Report: 06-20-2023

ASBESTOS PLM REPORT

Location: LB-CT2-02, 2"x4" ceiling tile w/ pinholes

Lab ID-Version‡: 15994122-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose 10% Mineral Wool
Sample Composite Homogeneity:	Good

Location: LB-CT2-03, 2"x4" ceiling tile w/ pinholes

Lab ID-Version‡: 15994123-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose 10% Mineral Wool
Sample Composite Homogeneity:	Good

Location: LB-VFT1-01, 12"x12" light green vinyl floor tile

Lab ID-Version‡: 15994124-1

Sample Layers	Asbestos Content
Light Green Floor Tile	4% Chrysotile
Black Mastic	ND
Brown Fibrous Material	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Good

Comments: Samples LB-VFT1-02 and 03 were not analyzed due to prior positive series.

Location: LB-PL-01, plaster w/ skim coat

Lab ID-Version‡: 15994127-1

Sample Layers	Asbestos Content
Gray Plaster	ND
Composite Non-Asbestos Content:	< 1% Hair/Wool
Sample Composite Homogeneity:	Good

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Client: Tetra Tech-KCMO
 C/O: Mr. Jeffrey Mitchell
 Re: Boys & Girls Home-HazMat Survey; Library

Date of Receipt: 06-19-2023
 Date of Report: 06-20-2023

ASBESTOS PLM REPORT

Location: LB-PL-02, plaster w/ skim coat

Lab ID-Version‡: 15994128-1

Sample Layers	Asbestos Content
White Skim Coat with Paint	ND
Gray Plaster	ND
Composite Non-Asbestos Content:	< 1% Hair/Wool
Sample Composite Homogeneity:	Good

Location: LB-PL-03, plaster w/ skim coat

Lab ID-Version‡: 15994129-1

Sample Layers	Asbestos Content
Gray Plaster	ND
Composite Non-Asbestos Content:	< 1% Hair/Wool
Sample Composite Homogeneity:	Good

Location: LB-VI-01, black vibration isolator

Lab ID-Version‡: 15994130-1

Sample Layers	Asbestos Content
Black Wrap	ND
Composite Non-Asbestos Content:	95% Cellulose
Sample Composite Homogeneity:	Good

Location: LB-VI-02, black vibration isolator

Lab ID-Version‡: 15994131-1

Sample Layers	Asbestos Content
Black Wrap	ND
Composite Non-Asbestos Content:	95% Cellulose
Sample Composite Homogeneity:	Good

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Client: Tetra Tech-KCMO
 C/O: Mr. Jeffrey Mitchell
 Re: Boys & Girls Home-HazMat Survey; Library

Date of Receipt: 06-19-2023
 Date of Report: 06-20-2023

ASBESTOS PLM REPORT

Location: LB-VI-03, black vibration isolator

Lab ID-Version‡: 15994132-1

Sample Layers	Asbestos Content
Black Wrap	ND
Composite Non-Asbestos Content:	95% Cellulose
Sample Composite Homogeneity:	Good

Location: LB-RS1-01, gray roof shingle

Lab ID-Version‡: 15994133-1

Sample Layers	Asbestos Content
Black Roofing Shingle / Gray Pebbles	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Good

Location: LB-RS1-02, gray roof shingle

Lab ID-Version‡: 15994134-1

Sample Layers	Asbestos Content
Black Roofing Shingle / Gray Pebbles	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Good

Location: LB-RS1-03, gray roof shingle

Lab ID-Version‡: 15994135-1

Sample Layers	Asbestos Content
Black Roofing Shingle / Gray Pebbles	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Good

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Client: Tetra Tech-KCMO
 C/O: Mr. Jeffrey Mitchell
 Re: Boys & Girls Home-HazMat Survey; Library

Date of Receipt: 06-19-2023
 Date of Report: 06-20-2023

ASBESTOS PLM REPORT

Location: LB-RS2-01, brown roof shingle

Lab ID-Version‡: 15994136-1

Sample Layers	Asbestos Content
Black Roofing Shingle / Brown Pebbles	ND
Composite Non-Asbestos Content:	10% Glass Fibers
Sample Composite Homogeneity:	Good

Location: LB-RS2-02, brown roof shingle

Lab ID-Version‡: 15994137-1

Sample Layers	Asbestos Content
Black Roofing Shingle / Brown Pebbles	ND
Composite Non-Asbestos Content:	10% Glass Fibers
Sample Composite Homogeneity:	Good

Location: LB-RS2-03, brown roof shingle

Lab ID-Version‡: 15994138-1

Sample Layers	Asbestos Content
Black Roofing Shingle / Brown Pebbles	ND
Composite Non-Asbestos Content:	10% Glass Fibers
Sample Composite Homogeneity:	Good

Location: LB-ASR-01, roof sealant

Lab ID-Version‡: 15994139-1

Sample Layers	Asbestos Content
Black Sealant	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

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Client: Tetra Tech-KCMO
 C/O: Mr. Jeffrey Mitchell
 Re: Boys & Girls Home-HazMat Survey; Library

Date of Receipt: 06-19-2023
 Date of Report: 06-20-2023

ASBESTOS PLM REPORT

Location: LB-ASR-02, roof sealant

Lab ID-Version‡: 15994140-1

Sample Layers	Asbestos Content
Black Sealant	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: LB-ASR-03, roof sealant

Lab ID-Version‡: 15994141-1

Sample Layers	Asbestos Content
Black Sealant	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

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Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4802
SSF, CA: 5090 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 888-8653

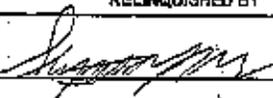
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CONTACT INFORMATION	
Company:	Tetra Tech, Inc. Address: 415 Oak Street, Kansas City, MO 64106
Contact:	Jeffrey Mitchell Special Instructions:
Phone:	616-412-1773 Stop on 1st Positive

PROJECT INFORMATION		TURN AROUND TIME CODES (TAT)	
Project ID:	Boys & Girls Home - HazMat Survey	STD - Standard (DEFAULT)	Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description:	Library	ND - Next Business Day	
Project Zip Code:	51104	SD - Same Business Day Rush*	
PO Number:	103065210190.17.05	*Please call Client Services for locations with Rush services	
Sampling Date & Time:	6-12-23	Sampled By:	Stephen Knarr

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Sample only)	Notes
LD-01-01	2'x2' Ceiling Tile w/ Grout	B	STD		
LD-01-02	at perimeter				
LD-01-03					
LD-02-01	2'x4' Ceiling Tile w/ Grout				
LD-02-02					
LD-02-03					
LD-03-01	12'x12' Light Green Vinyl Floor				
LD-03-02	Tile				
LD-03-03					
LD-04-01	Plaster w/ Stone Coat				
LD-04-02					
LD-04-03					

LABORATORY ANALYSIS											
PCM Air 003294853										Other Requests	
Soil											
Fiber Count (NIOSH 7400)	OSHA with TWVA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA	
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SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe		6/12/23/1500	JMF X 915	6/19/23
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other				

New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 * (866) 871-1984
Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4802
SSF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 886-6653

2 of 2

ASBESTOS ANALYSIS

Fiber Count (NIOSH 7400) OSHA with TWA Asbestos Bulk PLM EPA Point Count (200 Point Count) EPA Point Count (400 Point Count) EPA Point Count (1000 Point Count) Gravimetric Point Count (400 Pt Count) Gravimetric Point Count (1000 Pt Count) CARB 435 Method (400 Point Count) CARB 435 Method (1000 Point Count) Lead Analysis - Flame AA

PCM Air Other Requests

Barcode: 003294853

CONTACT INFORMATION

Company:	Tetra Tech, Inc.	Address:	415 Oak Street, Kansas City, MO 64106
Contact:	Jeffrey Mitchell	Special Instructions:	Stop on 1st Positive
Phone:	816-412-1773		

PROJECT INFORMATION **TURN AROUND TIME CODES (TAT)**

Project ID:	Boys & Girls Home - HazMat Survey		STD - Standard (DEFAULT)	Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.	
Project Description:	<i>Library</i>		ND - Next Business Day		
Project Zip Code:	51104	Sampling Date & Time:	6-12-23		SD - Same Business Day Rush*
PO Number:	103G65210190.17.05	Sampled By:	Stephen Knert		*Please call Client Services for locations with Rush services

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
<i>W-01</i>	<i>Black vibration printer</i>	<i>D</i>	<i>STD</i>		
<i>W-02</i>					
<i>W-03</i>					
<i>RS1-01</i>	<i>Grey Roof Shingle</i>				
<i>-02</i>					
<i>-03</i>					
<i>RS2-01</i>	<i>Brown Roof Shingle</i>				
<i>-02</i>					
<i>-03</i>					
<i>AS1-01</i>	<i>Roof Sealant</i>				
<i>-02</i>					
<i>-03</i>					

SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe	<i>[Signature]</i>	<i>6/12/23</i>	<i>JM</i>	<i>6/12/23</i>
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other				

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at <http://www.emlab.com/terms-of-service>

Report for:

Mr. Jeffrey Mitchell
Tetra Tech-KCMO
415 Oak Street
Kansas City, MO 64106

Regarding: Eurofins EPK Built Environment Testing, LLC
Project: Boys & Girls Home-HazMat Survey
EML ID: 3294629

Approved by:



Approved Signatory
Balu Krishnan

Dates of Analysis:

Asbestos PLM: 06-21-2023 and 06-22-2023

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)
NVLAP Lab Code 200844-0

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EPK Built Environment Testing, LLC ("the Company"), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: Tetra Tech-KCMO
 C/O: Mr. Jeffrey Mitchell
 Re: Boys & Girls Home-HazMat Survey

Date of Submittal: 06-16-2023
 Date of Receipt: 06-19-2023
 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Total Samples Submitted:	192
Total Samples Analyzed:	168
Total Samples with Layer Asbestos Content > 1%:	12

Location: MB-DWJC-01, Drywall + joint compound

Lab ID-Version‡: 15993189-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: MB-DWJC-02, Drywall + joint compound

Lab ID-Version‡: 15993190-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
Beige Tape	ND
White Joint Compound with Paint	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Good

Location: MB-DWJC-03, Drywall + joint compound

Lab ID-Version‡: 15993191-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
White Joint Compound with Paint	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: MB-DWJC-04, Drywall + joint compound

Lab ID-Version‡: 15993192-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
White Joint Compound with Paint	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

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 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: MB-DWJC-05, Drywall + joint compound

Lab ID-Version‡: 15993193-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper and Paint	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: MB-DWJC-06, Drywall + joint compound

Lab ID-Version‡: 15993194-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper and Paint	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: MB-DWJC-07, Drywall + joint compound

Lab ID-Version‡: 16006173-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper and Paint	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: MB-Plaster-01, Plaster

Lab ID-Version‡: 15993195-1

Sample Layers	Asbestos Content
White Skim Coat with Paint	ND
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: MB-Plaster-02, Plaster

Lab ID-Version‡: 15993196-1

Sample Layers	Asbestos Content
White Skim Coat with Paint	ND
Sample Composite Homogeneity: Good	

Location: MB-Plaster-03, Plaster

Lab ID-Version‡: 15993197-1

Sample Layers	Asbestos Content
White Skim Coat with Paint	ND
Sample Composite Homogeneity: Good	

Location: MB-Plaster-04, Plaster

Lab ID-Version‡: 15993198-1

Sample Layers	Asbestos Content
White Skim Coat with Paint	ND
Gray Plaster	ND
Sample Composite Homogeneity: Good	

Location: MB-Plaster-05, Plaster

Lab ID-Version‡: 15993199-1

Sample Layers	Asbestos Content
White Skim Coat with Paint	ND
Gray Plaster	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-Plaster-06, Plaster

Lab ID-Version‡: 15993200-1

Sample Layers	Asbestos Content
White Skim Coat with Paint	ND
Gray Plaster	ND
Sample Composite Homogeneity: Good	

Location: MB-Plaster-07, Plaster

Lab ID-Version‡: 15993201-1

Sample Layers	Asbestos Content
White Skim Coat with Paint	ND
Gray Plaster	ND
Sample Composite Homogeneity: Good	

Location: MB-SV1-01, Pink sheet vinyl

Lab ID-Version‡: 15993202-1

Sample Layers	Asbestos Content
Pink Sheet Flooring with Fibrous Backing	ND
Yellow Mastic	ND
Composite Non-Asbestos Content:	15% Cellulose 2% Glass Fibers
Sample Composite Homogeneity: Good	

Location: MB-SV1-02, Pink sheet vinyl

Lab ID-Version‡: 15993203-1

Sample Layers	Asbestos Content
Pink Sheet Flooring with Fibrous Backing	ND
Yellow Mastic	ND
Composite Non-Asbestos Content:	15% Cellulose 2% Glass Fibers
Sample Composite Homogeneity: Good	

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Date of Submittal: 06-16-2023
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ASBESTOS PLM REPORT

Location: MB-SV1-03, Pink sheet vinyl

Lab ID-Version‡: 15993204-1

Sample Layers	Asbestos Content
Pink Sheet Flooring with Fibrous Backing	ND
Yellow Mastic	ND
Composite Non-Asbestos Content:	15% Cellulose 2% Glass Fibers
Sample Composite Homogeneity:	Good

Location: MB-SU1-01, black sink undercoating

Lab ID-Version‡: 15993205-1

Sample Layers	Asbestos Content
Black Sink Undercoating	5% Chrysotile
Sample Composite Homogeneity:	Good

Comments: Samples MB-SU-02 and 03 were not analyzed due to prior positive series.

Location: MB-VCB1-01, 4" VCB light brown

Lab ID-Version‡: 15993208-1

Sample Layers	Asbestos Content
Light Brown Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity:	Good

Location: MB-VCB1-02, 4" VCB light brown

Lab ID-Version‡: 15993209-1

Sample Layers	Asbestos Content
Light Brown Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: MB-VCB1-03, 4" VCB light brown

Lab ID-Version‡: 15993210-1

Sample Layers	Asbestos Content
Light Brown Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB2-01, 6" VCB black

Lab ID-Version‡: 15993211-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB2-02, 6" VCB black

Lab ID-Version‡: 15993212-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB2-03, 6" VCB black

Lab ID-Version‡: 15993213-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-VCB3-01, 6" VCB gray

Lab ID-Version‡: 15993214-1

Sample Layers	Asbestos Content
Gray Baseboard	ND
White Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB3-02, 6" VCB gray

Lab ID-Version‡: 15993215-1

Sample Layers	Asbestos Content
Gray Baseboard	ND
White Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB3-03, 6" VCB gray

Lab ID-Version‡: 15993216-1

Sample Layers	Asbestos Content
Gray Baseboard	ND
White Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB4-01, 6" VCB brown

Lab ID-Version‡: 15993217-1

Sample Layers	Asbestos Content
Brown Baseboard	ND
Beige Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-VCB4-02, 6" VCB brown

Lab ID-Version‡: 15993218-1

Sample Layers	Asbestos Content
Brown Baseboard	ND
Beige Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB4-03, 6" VCB brown

Lab ID-Version‡: 15993219-1

Sample Layers	Asbestos Content
Brown Baseboard	ND
Beige Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB5-01, 6" VCB cream

Lab ID-Version‡: 15993220-1

Sample Layers	Asbestos Content
Cream Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB5-02, 6" VCB cream

Lab ID-Version‡: 15993221-1

Sample Layers	Asbestos Content
Cream Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-VCB5-03, 6" VCB cream

Lab ID-Version‡: 15993222-1

Sample Layers	Asbestos Content
Cream Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB6-01, 3" VCB black

Lab ID-Version‡: 15993223-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Brown Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB6-02, 3" VCB black

Lab ID-Version‡: 15993224-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Brown Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB6-03, 3" VCB black

Lab ID-Version‡: 15993225-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Brown Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-VCB7-01, 6" VCB Tan

Lab ID-Version‡: 15993226-1

Sample Layers	Asbestos Content
Tan Baseboard	ND
Beige Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB7-02, 6" VCB Tan

Lab ID-Version‡: 15993227-1

Sample Layers	Asbestos Content
Tan Baseboard	ND
Beige Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB7-03, 6" VCB Tan

Lab ID-Version‡: 15993228-1

Sample Layers	Asbestos Content
Tan Baseboard	ND
Beige Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB8-01, 6" VCB dark blue

Lab ID-Version‡: 15993229-1

Sample Layers	Asbestos Content
Blue Baseboard	ND
White Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-VCB8-02, 6" VCB dark blue

Lab ID-Version‡: 15993230-1

Sample Layers	Asbestos Content
Blue Baseboard	ND
White Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB8-03, 6" VCB dark blue

Lab ID-Version‡: 15993231-1

Sample Layers	Asbestos Content
Blue Baseboard	ND
White Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB9-01, 4" VCB Black

Lab ID-Version‡: 15993232-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Transparent Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB9-02, 4" VCB Black

Lab ID-Version‡: 15993233-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Transparent Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-VCB9-03, 4" VCB Black

Lab ID-Version‡: 15993234-1

Sample Layers	Asbestos Content
Black Baseboard	ND
Transparent Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB10-01, 4" VCB purple

Lab ID-Version‡: 15993235-1

Sample Layers	Asbestos Content
Purple Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB10-02, 4" VCB purple

Lab ID-Version‡: 15993236-1

Sample Layers	Asbestos Content
Purple Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB10-03, 4" VCB purple

Lab ID-Version‡: 15993237-1

Sample Layers	Asbestos Content
Purple Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-VCB11-01, 4" VCB tan

Lab ID-Version‡: 15993238-1

Sample Layers	Asbestos Content
Tan Baseboard	ND
Beige Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB11-02, 4" VCB tan

Lab ID-Version‡: 15993239-1

Sample Layers	Asbestos Content
Tan Baseboard	ND
Beige Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB11-03, 4" VCB tan

Lab ID-Version‡: 15993240-1

Sample Layers	Asbestos Content
Tan Baseboard	ND
Beige Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB12-01, 4" VCB pink

Lab ID-Version‡: 15993241-1

Sample Layers	Asbestos Content
Pink Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-VCB12-02, 4" VCB pink

Lab ID-Version‡: 15993242-1

Sample Layers	Asbestos Content
Pink Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB12-03, 4" VCB pink

Lab ID-Version‡: 15993243-1

Sample Layers	Asbestos Content
Pink Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB13-01, 4" VCB light brown

Lab ID-Version‡: 15993244-1

Sample Layers	Asbestos Content
Light Brown Baseboard	ND
Beige Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB13-02, 4" VCB light brown

Lab ID-Version‡: 15993245-1

Sample Layers	Asbestos Content
Light Brown Baseboard	ND
Beige Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-VCB13-03, 4" VCB light brown

Lab ID-Version‡: 15993246-1

Sample Layers	Asbestos Content
Light Brown Baseboard	ND
Beige Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB14-01, 4" VCB pinkish

Lab ID-Version‡: 15993247-1

Sample Layers	Asbestos Content
Pink Baseboard	ND
Beige Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB14-02, 4" VCB pinkish

Lab ID-Version‡: 15993248-1

Sample Layers	Asbestos Content
Pink Baseboard	ND
Beige Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB14-03, 4" VCB pinkish

Lab ID-Version‡: 15993249-1

Sample Layers	Asbestos Content
Pink Baseboard	ND
Beige Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-CT1-01, 2x2 off white ceiling tile rough

Lab ID-Version‡: 15993250-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	45% Mineral Wool 20% Cellulose
Sample Composite Homogeneity:	Good

Location: MB-CT1-02, 2x2 off white ceiling tile rough

Lab ID-Version‡: 15993251-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	45% Mineral Wool 20% Cellulose
Sample Composite Homogeneity:	Good

Location: MB-CT1-03, 2x2 off white ceiling tile rough

Lab ID-Version‡: 15993252-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	45% Mineral Wool 20% Cellulose
Sample Composite Homogeneity:	Good

Location: MB-CT2-01, 2x4 white ceiling tile rough w/ fissures

Lab ID-Version‡: 15993253-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose 10% Mineral Wool
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: MB-CT2-02, 2x4 white ceiling tile rough w/ fissures

Lab ID-Version‡: 15993254-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose 10% Mineral Wool
Sample Composite Homogeneity:	Good

Location: MB-CT2-03, 2x4 white ceiling tile rough w/ fissures

Lab ID-Version‡: 15993255-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose 10% Mineral Wool
Sample Composite Homogeneity:	Good

Location: MB-CT3-01, 2x2 ceiling tile smooth

Lab ID-Version‡: 15993256-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose 20% Mineral Wool
Sample Composite Homogeneity:	Good

Location: MB-CT3-02, 2x2 ceiling tile smooth

Lab ID-Version‡: 15993257-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose 20% Mineral Wool
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: MB-CT3-03, 2x2 ceiling tile smooth

Lab ID-Version‡: 15993258-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose 20% Mineral Wool
Sample Composite Homogeneity:	Good

Location: MB-CT4-01, 2x2 ceiling tile w/ fissures

Lab ID-Version‡: 15993259-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose 10% Mineral Wool
Sample Composite Homogeneity:	Good

Location: MB-CT4-02, 2x2 ceiling tile w/ fissures

Lab ID-Version‡: 15993260-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose 10% Mineral Wool
Sample Composite Homogeneity:	Good

Location: MB-CT4-03, 2x2 ceiling tile w/ fissures

Lab ID-Version‡: 15993261-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose 10% Mineral Wool
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: MB-CT5-01, 2x2 ceiling tile w/ pinholes

Lab ID-Version‡: 15993262-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose 10% Mineral Wool
Sample Composite Homogeneity:	Good

Location: MB-CT5-02, 2x2 ceiling tile w/ pinholes

Lab ID-Version‡: 15993263-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose 10% Mineral Wool
Sample Composite Homogeneity:	Good

Location: MB-CT5-03, 2x2 ceiling tile w/ pinholes

Lab ID-Version‡: 15993264-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose 10% Mineral Wool
Sample Composite Homogeneity:	Good

Location: MB-TF-01, terrazo flooring

Lab ID-Version‡: 15993265-1

Sample Layers	Asbestos Content
Multicolored Flooring	ND
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: MB-TF-02, terrazo flooring

Lab ID-Version‡: 15993266-1

Sample Layers	Asbestos Content
Multicolored Flooring	ND
Sample Composite Homogeneity: Good	

Location: MB-TF-03, terrazo flooring

Lab ID-Version‡: 15993267-1

Sample Layers	Asbestos Content
Multicolored Flooring	ND
Sample Composite Homogeneity: Good	

Location: MB-TF-04, terrazo flooring

Lab ID-Version‡: 15993268-1

Sample Layers	Asbestos Content
Multicolored Flooring	ND
Sample Composite Homogeneity: Good	

Location: MB-TF-05, terrazo flooring

Lab ID-Version‡: 15993269-1

Sample Layers	Asbestos Content
Multicolored Flooring	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-TF-06, terrazo flooring

Lab ID-Version‡: 15993270-1

Sample Layers	Asbestos Content
Multicolored Flooring	ND
Sample Composite Homogeneity: Good	

Location: MB-TF-07, terrazo flooring

Lab ID-Version‡: 15993271-1

Sample Layers	Asbestos Content
Multicolored Flooring	ND
Sample Composite Homogeneity: Good	

Location: MB-CT6-01, 2x2 ceiling tile white w/ fissures + pock marks

Lab ID-Version‡: 15993272-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	40% Cellulose 35% Mineral Wool
Sample Composite Homogeneity: Good	

Location: MB-CT6-02, 2x2 ceiling tile white w/ fissures + pock marks

Lab ID-Version‡: 15993273-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	40% Cellulose 35% Mineral Wool
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-CT6-03, 2x2 ceiling tile white w/ fissures + pock marks Lab ID-Version‡: 15993274-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	40% Cellulose 35% Mineral Wool
Sample Composite Homogeneity:	Good

Location: MB-DS-01, black duct sealant Lab ID-Version‡: 15993275-1

Sample Layers	Asbestos Content
Black Sealant	ND
Sample Composite Homogeneity:	Good

Location: MB-DS-02, black duct sealant Lab ID-Version‡: 15993276-1

Sample Layers	Asbestos Content
Black Sealant	ND
Sample Composite Homogeneity:	Good

Location: MB-DS-03, black duct sealant Lab ID-Version‡: 15993277-1

Sample Layers	Asbestos Content
Black Sealant	ND
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: MB-CT7-01, 1'x1' white ceiling tile w/ fissures

Lab ID-Version‡: 15993278-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	35% Mineral Wool 30% Cellulose
Sample Composite Homogeneity:	Good

Location: MB-CT7-02, 1'x1' white ceiling tile w/ fissures

Lab ID-Version‡: 15993279-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	35% Mineral Wool 30% Cellulose
Sample Composite Homogeneity:	Good

Location: MB-CT7-03, 1'x1' white ceiling tile w/ fissures

Lab ID-Version‡: 15993280-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	35% Mineral Wool 30% Cellulose
Sample Composite Homogeneity:	Good

Location: MB-GD-01, ceiling tile glue dots brown

Lab ID-Version‡: 15993281-1

Sample Layers	Asbestos Content
Brown Glue	ND
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: MB-GD-02, ceiling tile glue dots brown

Lab ID-Version‡: 15993282-1

Sample Layers	Asbestos Content
Brown Glue	ND
Sample Composite Homogeneity: Good	

Location: MB-GD-03, ceiling tile glue dots brown

Lab ID-Version‡: 15993283-1

Sample Layers	Asbestos Content
Brown Glue	ND
Sample Composite Homogeneity: Good	

Location: MB-TSI1-01, air o cell tan

Lab ID-Version‡: 15993284-1

Sample Layers	Asbestos Content
Gray Insulation	ND
Tan Wrap	ND
Black Tar Paper	ND
Composite Non-Asbestos Content: 80% Cellulose	
Sample Composite Homogeneity: Good	

Location: MB-TSI1-02, air o cell tan

Lab ID-Version‡: 15993285-1

Sample Layers	Asbestos Content
Gray Insulation	ND
Tan Wrap	ND
Black Tar Paper	ND
Composite Non-Asbestos Content: 80% Cellulose	
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-TSI1-03, air o cell tan

Lab ID-Version‡: 15993286-1

Sample Layers	Asbestos Content
Gray Insulation	ND
Tan Wrap	ND
Black Tar Paper	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Good

Location: MB-TSI2-01, mudded fittings + elbows

Lab ID-Version‡: 15993287-1

Sample Layers	Asbestos Content
Gray Insulation	ND
Composite Non-Asbestos Content:	35% Mineral Wool
Sample Composite Homogeneity:	Good

Location: MB-TSI2-02, mudded fittings + elbows

Lab ID-Version‡: 15993288-1

Sample Layers	Asbestos Content
Gray Insulation	ND
Composite Non-Asbestos Content:	35% Mineral Wool
Sample Composite Homogeneity:	Good

Location: MB-TSI2-03, mudded fittings + elbows

Lab ID-Version‡: 15993289-1

Sample Layers	Asbestos Content
Gray Insulation	ND
Composite Non-Asbestos Content:	35% Mineral Wool
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: MB-VFT1-01, 9x9 VFT tan w/ gray streaks

Lab ID-Version‡: 15993290-1

Sample Layers	Asbestos Content
Tan Floor Tile	4% Chrysotile
Black Mastic	ND
Sample Composite Homogeneity: Good	

Comments: Sample MB-VFT1-02 and 03 were not analyzed due to prior positive series.

Location: MB-VFT2-01, 12x2 VFT white w/ gray streaks

Lab ID-Version‡: 15993293-1

Sample Layers	Asbestos Content
Gray/White Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT2-02, 12x2 VFT white w/ gray streaks

Lab ID-Version‡: 15993294-1

Sample Layers	Asbestos Content
Gray/White Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT2-03, 12x2 VFT white w/ gray streaks

Lab ID-Version‡: 15993295-1

Sample Layers	Asbestos Content
Gray/White Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-VFT3-01, 12x12 VFT pink w/ brown streaks

Lab ID-Version‡: 15993296-1

Sample Layers	Asbestos Content
Pink Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT3-02, 12x12 VFT pink w/ brown streaks

Lab ID-Version‡: 15993297-1

Sample Layers	Asbestos Content
Pink Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT3-03, 12x12 VFT pink w/ brown streaks

Lab ID-Version‡: 15993298-1

Sample Layers	Asbestos Content
Pink Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT4-01, 12x12 VFT blue w/ blue streaks

Lab ID-Version‡: 15993299-1

Sample Layers	Asbestos Content
Blue Floor Tile	ND
Black Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-VFT4-02, 12x12 VFT blue w/ blue streaks

Lab ID-Version‡: 15993300-1

Sample Layers	Asbestos Content
Blue Floor Tile	ND
Black Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT4-03, 12x12 VFT blue w/ blue streaks

Lab ID-Version‡: 15993301-1

Sample Layers	Asbestos Content
Blue Floor Tile	ND
Black Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT5-01, 12x12 VFT off white w/ light brown streaks

Lab ID-Version‡: 15993302-1

Sample Layers	Asbestos Content
Brown/White Floor Tile	ND
Black Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT5-02, 12x12 VFT off white w/ light brown streaks

Lab ID-Version‡: 15993303-1

Sample Layers	Asbestos Content
Brown/White Floor Tile	ND
Black Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-VFT5-03, 12x12 VFT off white w/ light brown streaks

Lab ID-Version‡: 15993304-1

Sample Layers	Asbestos Content
Brown/White Floor Tile	ND
Black Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT6-01, 12x12 VFT green w/ white + gray specs

Lab ID-Version‡: 15993305-1

Sample Layers	Asbestos Content
Multicolored Floor Tile	6% Chrysotile
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Comments: Samples MB-VFT6-02 and 03 were not analyzed due to prior positive series.

Location: MB-VFT7-01, 12x12 VFT pale green w/ white streaks

Lab ID-Version‡: 15993308-1

Sample Layers	Asbestos Content
Light Green Floor Tile	ND
Black Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT7-02, 12x12 VFT pale green w/ white streaks

Lab ID-Version‡: 15993309-1

Sample Layers	Asbestos Content
Light Green Floor Tile	ND
Black Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-VFT7-03, 12x12 VFT pale green w/ white streaks

Lab ID-Version‡: 15993310-1

Sample Layers	Asbestos Content
Light Green Floor Tile	ND
Black Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT8-01, 12x12 VFT pink w/ cream streaks

Lab ID-Version‡: 15993311-1

Sample Layers	Asbestos Content
Multicolored Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT8-02, 12x12 VFT pink w/ cream streaks

Lab ID-Version‡: 15993312-1

Sample Layers	Asbestos Content
Multicolored Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT8-03, 12x12 VFT pink w/ cream streaks

Lab ID-Version‡: 15993313-1

Sample Layers	Asbestos Content
Multicolored Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-VFT9-01, 12x12 VFT cream w/ tan streaks

Lab ID-Version‡: 15993314-1

Sample Layers	Asbestos Content
Cream Floor Tile	ND
Black Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT9-02, 12x12 VFT cream w/ tan streaks

Lab ID-Version‡: 15993315-1

Sample Layers	Asbestos Content
Cream Floor Tile	ND
Black Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT9-03, 12x12 VFT cream w/ tan streaks

Lab ID-Version‡: 15993316-1

Sample Layers	Asbestos Content
Cream Floor Tile	ND
Black Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT10-01, 12x12 VFT off white w/ gray streaks

Lab ID-Version‡: 15993317-1

Sample Layers	Asbestos Content
Gray/White Floor Tile	2% Chrysotile
Black Mastic	ND
Sample Composite Homogeneity: Good	

Comments: Samples MB-VFT10-02 and 03 were not analyzed due to prior positive series.

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ASBESTOS PLM REPORT

Location: MB-VFT11-01, 12x12 VFT off white w/ gray streaks

Lab ID-Version‡: 15993320-1

Sample Layers	Asbestos Content
Gray/White Floor Tile	2% Chrysotile
Black Mastic	ND
Sample Composite Homogeneity: Good	

Comments: Sample MB-VFT11-02 and 03 were not analyzed due to prior positive series.

Location: MB-VFT12-01, 12x12 VFT cream + pink

Lab ID-Version‡: 15993323-1

Sample Layers	Asbestos Content
Multicolored Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT12-02, 12x12 VFT cream + pink

Lab ID-Version‡: 15993324-1

Sample Layers	Asbestos Content
Multicolored Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT12-03, 12x12 VFT cream + pink

Lab ID-Version‡: 15993325-1

Sample Layers	Asbestos Content
Multicolored Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-VFT13-01, 12x12 VFT beige w/ brown specs

Lab ID-Version‡: 15993326-1

Sample Layers	Asbestos Content
Beige Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT13-02, 12x12 VFT beige w/ brown specs

Lab ID-Version‡: 15993327-1

Sample Layers	Asbestos Content
Beige Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT13-03, 12x12 VFT beige w/ brown specs

Lab ID-Version‡: 15993328-1

Sample Layers	Asbestos Content
Beige Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT14-01, 12x12 VFT red

Lab ID-Version‡: 15993329-1

Sample Layers	Asbestos Content
Red Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-VFT14-02, 12x12 VFT red

Lab ID-Version‡: 15993330-1

Sample Layers	Asbestos Content
Red Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT14-03, 12x12 VFT red

Lab ID-Version‡: 15993331-1

Sample Layers	Asbestos Content
Red Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT15-01, 12x12 VFT tan w/ brown streaks + black mastic

Lab ID-Version‡: 15993332-1

Sample Layers	Asbestos Content
Tan Floor Tile	ND
Black Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT15-02, 12x12 VFT tan w/ brown streaks + black mastic

Lab ID-Version‡: 15993333-1

Sample Layers	Asbestos Content
Tan Floor Tile	ND
Black Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-VFT15-03, 12x12 VFT tan w/ brown streaks + black mastic

Lab ID-Version‡: 15993334-1

Sample Layers	Asbestos Content
Tan Floor Tile	ND
Black Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VFT16-01, 12x12 VFT gray w/ gray streaks

Lab ID-Version‡: 15993335-1

Sample Layers	Asbestos Content
Gray Floor Tile	8% Chrysotile
Black Mastic	ND
Sample Composite Homogeneity: Good	

Comments: Samples MB-VFT16-02 and 03 were not analyzed due to prior positive series.

Location: MB-SC-01, plaster skim coat

Lab ID-Version‡: 15993338-1

Sample Layers	Asbestos Content
White Skim Coat with Paint	ND
Sample Composite Homogeneity: Good	

Location: MB-SC-02, plaster skim coat

Lab ID-Version‡: 15993339-1

Sample Layers	Asbestos Content
White Skim Coat with Paint	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-SC-03, plaster skim coat

Lab ID-Version‡: 15993340-1

Sample Layers	Asbestos Content
White Skim Coat with Paint	ND
Sample Composite Homogeneity: Good	

Location: MB-WPM-01, wood panel mastic

Lab ID-Version‡: 15993341-1

Sample Layers	Asbestos Content
Dark Brown Mastic	10% Chrysotile
Sample Composite Homogeneity: Good	

Comments: Samples MB-WPM-02 and 03 were not analyzed due to prior positive series.

Location: MB-CTM-01, ceramic tile mastic

Lab ID-Version‡: 15993344-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-CTM-02, ceramic tile mastic

Lab ID-Version‡: 15993345-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-CTM-03, ceramic tile mastic

Lab ID-Version‡: 15993346-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-WG1-01, white window glaze

Lab ID-Version‡: 15993347-1

Sample Layers	Asbestos Content
White Window Glazing	ND
Sample Composite Homogeneity: Good	

Location: MB-WG1-02, white window glaze

Lab ID-Version‡: 15993348-1

Sample Layers	Asbestos Content
White Window Glazing	ND
Sample Composite Homogeneity: Good	

Location: MB-WG1-03, white window glaze

Lab ID-Version‡: 15993349-1

Sample Layers	Asbestos Content
White Window Glazing	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-VCB15-01, 6" white VCB

Lab ID-Version‡: 15993350-1

Sample Layers	Asbestos Content
White Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB15-02, 6" white VCB

Lab ID-Version‡: 15993351-1

Sample Layers	Asbestos Content
White Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-VCB15-03, 6" white VCB

Lab ID-Version‡: 15993352-1

Sample Layers	Asbestos Content
White Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-WM1-01, wall mastic

Lab ID-Version‡: 15993353-1

Sample Layers	Asbestos Content
Tan Mastic	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-WM1-02, wall mastic

Lab ID-Version‡: 15993354-1

Sample Layers	Asbestos Content
Tan Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-WM1-03, wall mastic

Lab ID-Version‡: 15993355-1

Sample Layers	Asbestos Content
Tan Mastic	ND
Sample Composite Homogeneity: Good	

Location: MB-SU2-01, white sink undercoat

Lab ID-Version‡: 15993356-1

Sample Layers	Asbestos Content
White Sink Undercoating	ND
Composite Non-Asbestos Content:	8% Cellulose
Sample Composite Homogeneity: Good	

Location: MB-SU2-02, white sink undercoat

Lab ID-Version‡: 15993357-1

Sample Layers	Asbestos Content
White Sink Undercoating	ND
Composite Non-Asbestos Content:	8% Cellulose
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: MB-SU2-03, white sink undercoat

Lab ID-Version‡: 15993358-1

Sample Layers	Asbestos Content
White Sink Undercoating	ND
Composite Non-Asbestos Content:	8% Cellulose
Sample Composite Homogeneity:	Good

Location: MB-WC-01, white window caulk

Lab ID-Version‡: 15993359-1

Sample Layers	Asbestos Content
White Caulk	5% Chrysotile
Sample Composite Homogeneity:	Good

Comments: Samples MB-WC-02 and 03 were not analyzed due to prior positive series.

Location: MB-DC-01, black door caulk

Lab ID-Version‡: 15993362-1

Sample Layers	Asbestos Content
Black Caulk	2% Chrysotile
Sample Composite Homogeneity:	Good

Comments: Samples MB-DC-02 and 03 were not analyzed due to prior positive series.

Location: MB-DC2-01, white door caulk

Lab ID-Version‡: 15993365-1

Sample Layers	Asbestos Content
White Caulk	ND
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: MB-DC2-02, white door caulk

Lab ID-Version‡: 15993366-1

Sample Layers	Asbestos Content
White Caulk	ND
Sample Composite Homogeneity: Good	

Location: MB-DC2-03, white door caulk

Lab ID-Version‡: 15993367-1

Sample Layers	Asbestos Content
White Caulk	ND
Sample Composite Homogeneity: Good	

Location: MB-CLK-01, white crowning caulk

Lab ID-Version‡: 15993368-1

Sample Layers	Asbestos Content
White Caulk	ND
Sample Composite Homogeneity: Good	

Location: MB-CLK-02, white crowning caulk

Lab ID-Version‡: 15993369-1

Sample Layers	Asbestos Content
White Caulk	ND
Sample Composite Homogeneity: Good	

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 C/O: Mr. Jeffrey Mitchell
 Re: Boys & Girls Home-HazMat Survey

Date of Submittal: 06-16-2023
 Date of Receipt: 06-19-2023
 Date of Report: 06-22-2023

ASBESTOS PLM REPORT

Location: MB-CLK-03, white crowning caulk

Lab ID-Version‡: 15993370-1

Sample Layers	Asbestos Content
White Caulk	ND
Sample Composite Homogeneity: Good	

Location: MB-CLK2-01, white flashing caulk

Lab ID-Version‡: 15993371-1

Sample Layers	Asbestos Content
White Caulk	6% Chrysotile
Sample Composite Homogeneity: Good	

Comments: Samples MB-CLK2-02 and 03 were not analyzed due to prior positive series.

Location: MB-EJ-01, white expansion joint

Lab ID-Version‡: 15993374-1

Sample Layers	Asbestos Content
White Non-Fibrous Material	6% Chrysotile
Sample Composite Homogeneity: Good	

Comments: Samples MB-ET-02 and 03 were not analyzed due to prior positive series.

Location: MB-SO-01

Lab ID-Version‡: 16006170-1

Sample Layers	Asbestos Content
White Fireproofing	5% Chrysotile
Composite Non-Asbestos Content:	15% Vermiculite
Sample Composite Homogeneity: Good	

Comments: Samples MB-SO-02 and 03 were not analyzed due to prior positive series.

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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REC 003294629

CONTACT INFORMATION					
Company:	Tetra Tech, Inc.		Address: 415 Oak Street, Kansas City, MO 64106		
Contact:	Jeffrey Mitchell		Special Instructions:		
Phone:	816-412-1773		Stop on 1st Positive		
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID:	Boys & Girls Home - HazMat Survey		STD - Standard (DEFAULT)		
Project Description:			ND - Next Business Day		
Project Zip Code:	51104	Sampling Date & Time:	SD - Same Business Day Rush*		
PO Number:	103065210190.17.05	Sampled By:	Stephen Knerr		
*Please call Client Services for locations with Rush services					
Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.					
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
MB-DW-05c-01	Drywall + Joint compound	B	STD		
02					
03					
04					
05					
06					
MB-Plaster-01	plaster				
-02					
03					
04					
05					

PCM Air	PCM Bulk						Rock & Soil		Other Requests		
	Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 436 Method (400 Point Count)	CARB 436 Method (1000 Point Count)	Lead Analysis - Flame AA
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SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe	<i>[Signature]</i>	6/16-22/15	JM PK 98 6/19/23	
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other				

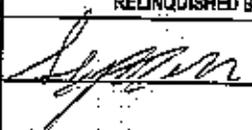
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 003294629

CONTACT INFORMATION		PROJECT INFORMATION		TURN AROUND TIME CODES (TAT)		PCM Air		PLM						Other Requests													
Company: Tetra Tech, Inc.		Address: 415 Oak Street, Kansas City, MO 64108		Project ID: Boys & Girls Home - HazMat Survey		STD - Standard (DEFAULT)		Fiber Count (NIOSH 7400)		Bulk						Rock & Soil											
Contact: Jeffrey Mitchell		Special Instructions: Stop on 1st Positive		Project Description:		ND - Next Business Day		OSHA with TWA		Asbestos Bulk PLM		EPA Point Count (200 Point Count)		EPA Point Count (400 Point Count)		EPA Point Count (1000 Point Count)		Gravimetric Point Count (400 Pt Count)		Gravimetric Point Count (1000 Pt Count)		CARB 435 Method (400 Point Count)		CARB 435 Method (1000 Point Count)		Lead Analysis - Flame AA	
Phone: 816-412-1773		Sampled By: Stephen Kner		Project Zip Code: 64104		SD - Same Business Day Rush		Asbestos Bulk PLM		EPA Point Count (200 Point Count)		EPA Point Count (400 Point Count)		EPA Point Count (1000 Point Count)		Gravimetric Point Count (400 Pt Count)		Gravimetric Point Count (1000 Pt Count)		CARB 435 Method (400 Point Count)		CARB 435 Method (1000 Point Count)		Lead Analysis - Flame AA			
PD Number: 103085210190.17.05		*Please call Client Services for locations with Rush services		Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.																							
Sample ID		Description		Sample Type (Below)		TAT (Above)		Total Volume (Air Samples only)		Notes																	
A-Plast 06		Plastic		A		STD																					
07		↓		↓		↓																					
M-B-SV1 01		pink sheet vinyl		↓		↓																					
02		↓		↓		↓																					
03		↓		↓		↓																					
M-B-SV1 01		black sink undercoatings		↓		↓																					
02		↓		↓		↓																					
03		↓		↓		↓																					
M-B-VB 01		4" vcb light brown		↓		↓																					
02		↓		↓		↓																					
03		↓		↓		↓																					

SAMPLE TYPE CODES		RELINQUISHED BY		DATE & TIME		RECEIVED BY		DATE & TIME	
A - Air	W - Wipe			6/12/15					
B - Bulk	T - Tape								
D - Dust	R - Rock								
SD - Soil	O - Other								

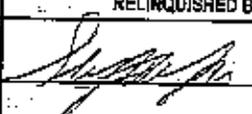
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A											
REQUI											
 003294629											
PCM Air		Bulk						Fluor & Soil		Other Requests	
Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA	
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CONTACT INFORMATION					
Company: Tetra Tech, Inc.		Address: 415 Oak Street, Kansas City, MO 64106			
Contact: Jeffrey Mitchell		Special Instructions: Stop on 1st Positive			
Phone: 816-412-1773					
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID: Boys & Girls Home - HazMat Survey			STD - Standard (DEFAULT)		
Project Description:			ND - Next Business Day		
Project Zip Code: 51104		Sampling Date & Time:		SD - Same Business Day Rush	
PO Number: 103G65210180.17.05		Sampled By: Stephen Knerr		*Please call Client Services for locations with Rush services.	
Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.					
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
MB-VCB 2-01	6" VCB Black	B	STD		
-02					
-03					
MB-VCB 3-01	6" VCB Gray				
02					
03					
MB-VCB 4-01	6" VCB Brown				
02					
03					
MB-VCB 5-01	6" VCB Cream				
-02					

SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe		6-16-23/150		
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other:				

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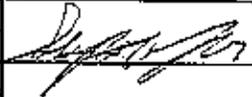
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REQ 003294629

CONTACT INFORMATION					
Company: Tetra Tech, Inc.		Address: 415 Oak Street, Kansas City, MO 64105			
Contact: Jeffrey Mitchell		Special Instructions: Stop on 1st Positive			
Phone: 816-412-1773					
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID: Boys & Girls Home - HazMat Survey			STD - Standard (DEFAULT)		
Project Description:			ND - Next Business Day		
Project Zip Code: 51104		Sampling Date & Time:	SD - Same Business Day Rush		
PO Number: 103G65210190.17.05		Sampled By: Stephen Knerr	*Please call Client Services for locations with Rush services		
Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.					
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
MB-VCB9-02	4" VCB black	B	STD		
03					
MB-VCB10-01	4" VCB purple				
02					
03					
MB-VCB11-01	4" VCB Tan				
02					
03					
MB-VCB12-01	4" VCB pink				
-02					
-03					

PCM Air	PLM								Other Requests		
	Bulk						Rock & Soil				
Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA	
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SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe		<i>6/26/05/Kan</i>		
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other				

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REI		003294629		Flow)							
PCM Air	Bulk						Rock & Soil	Other Requests			
	Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk: PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA
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CONTACT INFORMATION					
Company:	Tetra Tech, Inc.		Address: 415 Oak Street, Kansas City, MO 64106		
Contact:	Jeffrey Mitchell		Special Instructions: Stop on 1st Positive		
Phone:	816-412-1773				
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID:	Boys & Girls Home - HazMat Survey		STD - Standard (DEFAULT)		Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description:			ND - Next Business Day		
Project Zip Code:	51104	Sampling Date & Time:	SD - Same Business Day Rush*		
PO Number:	103G65210190, 17.05	Sampled By:	Stephen Kneer		
			*Please call Client Services for locations with Rush services		
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
13-01	6" VCB Light brown	B	STD		
02					
03					
14-01	6" VCB Pinkish				
02					
03					
15-01	2x2 off white ceiling tile				
02	rough				
03					
16-01	2x4 ceiling tile white				
02	w/ fissures				

MB-VCB
 ↓
 MB-VCB
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 MB-CT
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 MB-CT

SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe	<i>[Signature]</i>	6-16-20/1501		
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other:				

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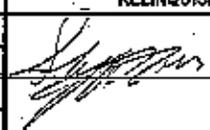
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Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4802
SSF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 888-6653

A		REQ# 003294629				w)			
PCM Air		Bulk				Rock & Soil		Other Requests	
Fiber Count (NIOSH 7400)		OSHA with TWA		Asbestos Bulk PLM		EPA Point Count (200 Point Count)		EPA Point Count (400 Point Count)	
EPA Point Count (1000 Point Count)		Gravimetric Point Count (400 Pt Count)		Gravimetric Point Count (1000 Pt Count)		CARB 435 Method (400 Point Count)		CARB 435 Method (1000 Point Count)	
Lead Analysis - Flame AA									
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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CONTACT INFORMATION					
Company: Tetra Tech, Inc.		Address: 416 Oak Street, Kansas City, MO 64108			
Contact: Jeffrey Mitchell		Special Instructions: Stop on 1st Positive			
Phone: 616-412-1773					
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID: Boys & Girls Home - HazMat Survey		STD - Standard (DEFAULT)			
Project Description:		ND - Next Business Day			
Project Zip Code: 51104		Sampling Date & Time:		Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.	
PD Number: 103G65210180.17.05		Sampled By: Stephen Knerr		*Please call Client Services for locations with Rush services	
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
03	2x4 ceiling Tile white w/ issues	B	STD		
01	2x2 ceiling Tile smooth				
02					
03					
01	2x2 ceiling Tile w/ issues				
02					
03					
01	2x2 ceiling Tile white w/ pin holes				
02					
03					

A-CD
B-CT3
B-CT4
B-CT5

SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe		6/16/20/1100		
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other				

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New Jersey: 9000 Lincoln Drive East, Suite A, Marlton, NJ 08053 * (888) 871-1984
Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4802
SSF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (888) 888-6653



RE

003294629

(below)

CONTACT INFORMATION					
Company:	Tetra Tech, Inc.		Address: 415 Oak Street, Kansas City, MO 64106		
Contact:	Jeffrey Mitchell		Special Instructions:		
Phone:	816-412-1773		Stop on 1st Positive		
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID:	Boys & Girls Home - HazMat Survey		STD - Standard (DEFAULT)		
Project Description:			ND - Next Business Day		
Project Zip Code:	51104	Sampling Date & Time:	SD - Same Business Day Rush*		
PO Number:	103G65210190.17.05	Sampled By:	Stephen Knerr		
*Please call Client Services for locations with Rush services.					
Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.					
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
MP-TJ - 01	TERRAZO flooring	B	STD		
- 02					
- 03					
- 04					
- 05					
- 06					
- 07					
MB-CB - 01	2 yr ceiling tile white				
02	w/ fissures & pack marks				
03					

PCM Air	Bulk								Rock & Soil	Other Requests			
Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk - PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA			
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY:	DATE & TIME
A - Air	W - Wipe		6/11/21/150		
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other:				

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New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 * (866) 871-1984
Phoenix, AZ: 1501 West Knudson Drive, Phoenix, AZ 85027 * (800) 851-4802
SSF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 888-9653

A											
REQU											
003294629											
PCM Air		Bulk					Rock & Soil		Other Requests		
Fiber Count (NIOSH 7400)		OSHA with TWA		Asbestos Bulk PLM		EPA Point Count (200 Point Count)		EPA Point Count (400 Point Count)		EPA Point Count (1000 Point Count)	
						Gravimetric Point Count (400 Pt Count)		Gravimetric Point Count (1000 Pt Count)		CARB 435 Method (400 Point Count)	
						CARB 435 Method (1000 Point Count)				Lead Analysis - Flame AA	
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CONTACT INFORMATION					
Company: Tetra Tech, Inc.		Address: 415 Oak Street, Kansas City, MO 64106			
Contact: Jeffrey Mitchell		Special Instructions: Stop on 1st Positive			
Phone: 816-412-1773					
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID: Boys & Girls Home - HazMat Survey			STD - Standard (DEFAULT)		
Project Description:			ND - Next Business Day		
Project Zip Code: 51104			SD - Same Business Day Rush		
PO Number: 103685210190.17.05			*Please call Client Services for locations with Rush services		
Sampled By: Stephen Knorr			Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.		
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
1-01	air cell tan	B	STD		
↓ 02					
↓ 03					
2-01	mudded fittings + elbows				
↓ 02					
↓ 03					
1-01	9x9 VST tan w/ gray streaks				
↓ 02					
↓ 03					
2-01	12x2 VST white w/ gray streaks				
↓ 02					

SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe	<i>[Signature]</i>	6/16/10		
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other				

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New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 * (866) 671-1984
 Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 691-4602
 SFF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94060 * (866) 888-6653



REC 003294629

low)

CONTACT INFORMATION					
Company:	Tetra Tech, Inc.		Address: 415 Oak Street, Kansas City, MO 64106		
Contact:	Jeffrey Mitchell		Special Instructions: Stop on 1st Positive		
Phone:	616-412-1773				
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID:	Boys & Girls Home - HazMat Survey		STD - Standard (DEFAULT)		
Project Description:			ND - Next Business Day		
Project Zip Code:	51104	Sampling Date & Time:	SD - Same Business Day Rush*		
PO Number:	103G85210190.17.05	Sampled By:	Stephen Knarr		
			*Please call Client Services for locations with Rush services		
Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.					
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
2-03	12x12VFT white w/gray	B	STD		
01	12x12 VFT pink w/cream				
02	streaks				
03					
01	12x12 VFT blue w/white				
02	streaks				
03					
01	12x12 VFT off white				
02	w/ light brown streaks				
03					

PCM Air	PLM								Rock & Soil	Other Requests	
	Bulk										
	Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe				
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other:				

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11/06/18

New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 * (866) 871-1984
 Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4802
 SFF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 888-6553

AS



REQUEST: 003294629

CONTACT INFORMATION					
Company:	Tetra Tech, Inc.		Address: 415 Oak Street, Kansas City, MO 64106		
Contact:	Jeffrey Mitchell		Special Instructions:		
Phone:	816-412-1773		Stop on 1st Positive		
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID:	Boys & Girls Home - HazMat Survey		STD - Standard (DEFAULT)		Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description:			ND - Next Business Day		
Project Zip Code:	51104	Sampling Date & Time:	SD - Same Business Day Rush*		
PO Number:	103G65210190.17.05	Sampled By:	Stephen Knerr		
*Please call Client Services for locations with Rush services					
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
01	12x12 vst green w/white	B	STD		
02	+ gray specks				
03					
07	12x12 vst pale green w/				
02	white streaks				
03					
08	12x12 vst pink w/cream				
02	streaks				
03					
09	12x12 vst cream w/ tan streaks				
02					

PCM Air	PLM								Rock & Soil	Other Requests	
	Bulk										
	Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe		6/16/18/JSK		
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other				

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at <http://www.emlab.com/terms-of-service>

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New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 * (866) 871-1984
 Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4802
 SFF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 888-8653



REC

slowly

CONTACT INFORMATION					
Company:	Tetra Tech, Inc.		Address: 415 Oak Street, Kansas City, MO 64108		
Contact:	Jeffrey Mitchell		Special Instructions:		
Phone:	816-412-1773		Stop on 1st Positive		
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID:	Boys & Girls Home - HazMat Survey		STD - Standard (DEFAULT)		
Project Description:			ND - Next Business Day		
Project Zip Code:	51104	Sampling Date & Time:	SD - Same Business Day Rush*		
PO Number:	103G65210190.17.05	Sampled By:	Stephan Kner		
*Please call Client Services for locations with Rush services.					
Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.					
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
B-VST1 - 03	12x12 VST cream / tan	B	STD		
B-VST1 - 01	12x12 VST off white / gray				
02	streaks				
03					
B-VST1 - 01	12x12 VST off white / gray				
02	streaks				
03					
B-VST1 - 01	12x12 VST cream / tan				
02	pink				
03					

PCM Air	PLM								Rock & Soil	Other Requests
	Bulk									
Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe	<i>[Signature]</i>	6/16/18		
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other				

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Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4802
SSF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 888-6659

A		003294629								
REQ#		(pv)								
PCM Air	PLM						Rock & Soil	Other Requests		
	Bulk									
Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA
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CONTACT INFORMATION					
Company: Tetra Tech, Inc.		Address: 415 Oak Street, Kansas City, MO 64108			
Contact: Jeffrey Mitchell		Special Instructions: Stop on 1st Positive			
Phone: 816-412-1773					
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID: Boys & Girls Home - HazMat Survey			STD - Standard (DEFAULT)		
Project Description:			ND - Next Business Day		
Project Zip Code: 51104			SD - Same Business Day Rush*		
PO Number: 103G65210190.17.05			*Please call Client Services for locations with Rush services		
Sampling Date & Time:			Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.		
Sampled By: Stephen Knerr					
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
18-VST 3-01	12x12 VST Beige w/ brown	B	STD		
3-02	specks				
3-03	&				
19-VST 4-01	12x12 VST Red				
4-02					
4-03					
19-VST 5-01	12x12 VST Tan w/ Brown				
5-02	streaks + black matrix				
5-03					
19-VST 6-01	12x12 VST gray w/ gray				
6-02	streaks				

SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe	<i>Stephen Knerr</i>	6/16/20/150		
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other:				

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Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4802
SSF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (800) 886-6653

A



REQU 003294629

CONTACT INFORMATION					
Company:	Tetra Tech, Inc.		Address: 415 Oak Street, Kansas City, MO 64108		
Contact:	Jeffrey Mitchell		Special Instructions:		
Phone:	816-412-1773		Stop on 1st Positive		
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID:	Boys & Girls Home - Haz/Mat Survey		STD - Standard (DEFAULT)		Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description:			ND - Next Business Day		
Project Zip Code:	51104	Sampling Date & Time:	SD - Same Business Day Rush*		
PO Number:	100685210190.17.05	Sampled By:	Stephen Kherr		
*Please call Client Services for locations with Rush services					
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
MB-01	plaster skim coat	B	STD		
02					
03					
MB-01	wood panel mastic				
02					
03					
MB-01	ceramic tile mastic				
02					
03					

PCM Air	PLM								Other Requests	
	Bulk						Rock & Soil			
Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe		11/12/15		
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other				

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1506 18

New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 * (866) 571-1964
Phoenix, AZ: 1501 West Knudsan Drive, Phoenix, AZ 85027 * (900) 651-4802
SSF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 888-6659



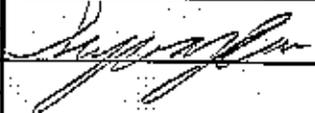
REC 003294629

CONTACT INFORMATION			
Company:	Tetra Tech, Inc.	Address:	415 Oak Street, Kansas City, MO 64108
Contact:	Jeffrey Mitchell	Special Instructions:	Stop on 1st Positive
Phone:	816-412-4773		

PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)	
Project ID:	Boys & Girls Home - HazMat Survey		STD - Standard (DEFAULT)	Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description:			ND - Next Business Day	
Project Zip Code:	51104	Sampling Date & Time:	SD - Same Business Day Rush*	
PO Number:	103665210190.17.05	Sampled By:	Stephen Kharr	
			*Please call Client Services for locations with Rush services	

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
AB-Wy1-01	White window glaze	B	STD		
02	↓				
03	↓				
AB-Vc15-01	6" white VCB				
02	↓				
03	↓				
AB-Vm20-01	Wall mastic				
02	↓				
03	↓				
AB-Su2-01	White sink undercut				
02	↓				
03	↓				

PCM Air	PLM								Rock & Soil		Other Requests		
	Bulk												
Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis	Flame AA		
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe		1/16/2018		
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other				

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New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 * (866) 871-1884
 Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4802
 SSF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 888-6653

(below)

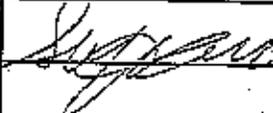
REI  003294629

CONTACT INFORMATION		
Company:	Teira Tech, Inc.	Address: 415 Oak Street, Kansas City, MO 64108
Contact:	Jeffrey Mitchell	Special Instructions:
Phone:	816-412-1773	Stop on 1st Positive

PROJECT INFORMATION		TURN AROUND TIME CODES (TAT)	
Project ID:	Boys & Girls Home - HazMat Survey	STD - Standard (DEFAULT)	Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description:		ND - Next Business Day	
Project Zip Code:	61104	SD - Same Business Day (Rush)	
PO Number:	103G65210190.17.05	*Please call Client Services for locations with Rush services	
Sampled By:	Stephen Knerr		

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
13-WC-01	White window caulk	B	STD		
02					
03					
13-DC-01	Black door caulk				
02					
03					
13-OC-01	White door caulk				
02					
03					
13-K-01	White awning caulk				
02					
03					

PCM Air	PLM								Other Requests	
	Bulk						Rock & Soil			
Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Pt Count)	EPA Point Count (400 Pt Count)	EPA Point Count (1000 Pt Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Pt Count)	CARB 435 Method (1000 Pt Count)	Lead Analysis - Flame AA
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SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe		6-16-2011		
B - Bulk	T - Tape				
D - Dust	R - Rock				
SD - Soil	O - Other				

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 Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (602) 651-4802
 San Francisco, CA: 8000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (650) 886-9653

RE		003294629										below	
PCM Air	PLM										Rock & Soil	Other Requests	
	Bulk												
Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA			
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CONTACT INFORMATION					
Company:	Tetra Tech, Inc.		Address: 415 Oak Street, Kansas City, MO 64106		
Contact:	Jeffrey Mitchell		Special Instructions:		
Phone:	816-412-1773		Stop on 1st Positive		
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID:	Boys & Girls Home - HazMat Survey		STD - Standard (DEFAULT)		Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description:			ND - Next Business Day		
Project Zip Code:	51104	Sampling Date & Time:	SD - Same Business Day Rush*		
PO Number:	10366240190.17.05	Sampled By:	Stephen Knerr		
*Please call Client Services for locations with Rush services					
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
W-CI K2-01	white flashing Caulk	B	STD		
02					
03					
A-e J-01	white expansion joint				
02					
03					

SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe	<i>[Signature]</i>	6/16/15		
B - Bulk	T - Tape				
D - Dust	R - Rock				
SO - Soil	O - Other				

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at <http://www.emlab.com/terms-of-service>

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Report for:

Mr. Jeffrey Mitchell
Tetra Tech-KCMO
415 Oak Street
Kansas City, MO 64106

Regarding: Eurofins EPK Built Environment Testing, LLC
Project: Boys & Girls Home-HazMat Survey; Power Plant + Tunnels
EML ID: 3295190

Approved by:



Approved Signatory
Balu Krishnan

Dates of Analysis:

Asbestos PLM: 06-20-2023 and 06-21-2023

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)
NVLAP Lab Code 200844-0

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EPK Built Environment Testing, LLC ("the Company"), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: Tetra Tech-KCMO
 C/O: Mr. Jeffrey Mitchell
 Re: Boys & Girls Home-HazMat Survey; Power
 Plant
 + Tunnels

Eurofins EPK Built Environment Testing, LLC
 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053
 (866) 871-1984 www.eurofinsus.com/Built

Date of Receipt: 06-19-2023
 Date of Report: 06-21-2023

ASBESTOS PLM REPORT

Total Samples Submitted: 20
Total Samples Analyzed: 10
Total Samples with Layer Asbestos Content > 1%: 5

Location: PP-TSI-01, Pipe insulation

Lab ID-Version‡: 15995612-1

Sample Layers	Asbestos Content
White Pipe Insulation	25% Amosite 10% Chrysotile
Sample Composite Homogeneity: Good	

Comments: Samples PP-TSI-02 and 03 were not analyzed due to prior positive series.

Location: PP-TR-01, Transite panel

Lab ID-Version‡: 15995615-1

Sample Layers	Asbestos Content
Gray Transite	15% Chrysotile
Sample Composite Homogeneity: Good	

Comments: Samples PP-TR-02 and 03 were not analyzed due to prior positive series.

Location: PP-TI-01, Tank insulation

Lab ID-Version‡: 15995617-1

Sample Layers	Asbestos Content
Gray Insulation	20% Chrysotile
Composite Non-Asbestos Content: 30% Mineral Wool	
Sample Composite Homogeneity: Good	

Comments: Sample PP-TI-02 and 03 were not analyzed due to prior positive series.

Location: PP-TSI2-01, Air-o-cell pipe insulation

Lab ID-Version‡: 15995620-1

Sample Layers	Asbestos Content
Gray Pipe Insulation	60% Chrysotile
Sample Composite Homogeneity: Good	

Comments: Samples PP-TSI2-02 and 03 were not analyzed due to prior positive series.

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Tetra Tech-KCMO
 C/O: Mr. Jeffrey Mitchell
 Re: Boys & Girls Home-HazMat Survey; Power
 Plant
 + Tunnels

Eurofins EPK Built Environment Testing, LLC
 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053
 (866) 871-1984 www.eurofinsus.com/Built

Date of Receipt: 06-19-2023
 Date of Report: 06-21-2023

ASBESTOS PLM REPORT

Location: PP-PW-01, Gray pipe wrap

Lab ID-Version‡: 15995623-1

Sample Layers	Asbestos Content
Gray Wrap with Paint	ND
Sample Composite Homogeneity: Good	

Location: PP-PW-02, Gray pipe wrap

Lab ID-Version‡: 15995624-1

Sample Layers	Asbestos Content
Gray Wrap with Paint	ND
Sample Composite Homogeneity: Good	

Location: PP-PW-03, Gray pipe wrap

Lab ID-Version‡: 15995625-1

Sample Layers	Asbestos Content
Gray Wrap with Paint	ND
Sample Composite Homogeneity: Good	

Location: PP-RF-01, Black roof flashing

Lab ID-Version‡: 15995626-1

Sample Layers	Asbestos Content
Gray/Black Roof Flashing	10% Chrysotile
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity: Good	

Comments: Sample PP-RF-02 and 03 were not analyzed due to prior positive series.

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Tetra Tech-KCMO
 C/O: Mr. Jeffrey Mitchell
 Re: Boys & Girls Home-HazMat Survey; Power
 Plant
 + Tunnels

Eurofins EPK Built Environment Testing, LLC
 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053
 (866) 871-1984 www.eurofinsus.com/Built

Date of Receipt: 06-19-2023
 Date of Report: 06-21-2023

ASBESTOS PLM REPORT

Location: PP-RC-01, Roof core

Lab ID-Version‡: 15995629-1

Sample Layers	Asbestos Content
Brown Insulation	ND
Black Tar	ND
Black Tar Paper	ND
Composite Non-Asbestos Content:	60% Cellulose
Sample Composite Homogeneity:	Good

Location: PP-RC-02, Roof core

Lab ID-Version‡: 15995630-1

Sample Layers	Asbestos Content
Brown Insulation	ND
Black Tar	ND
Black Tar Paper	ND
Composite Non-Asbestos Content:	60% Cellulose
Sample Composite Homogeneity:	Good

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 * (866) 871-1984
 Phoenix, AZ: 1501 West Kruzaan Drive, Phoenix, AZ 85027 * (800) 651-4802
 SSF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 688-6653

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CONTACT INFORMATION					
Company:	Tetra Tech, Inc.		Address: 415 Oak Street, Kansas City, MO 64106		
Contact:	Jeffrey Michal		Special Instructions:		
Phone:	816-412-1773		Stop on 1st Positive		
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID:	Boys & Girls Home - HazMat Survey		STD - Standard (DEFAULT)		Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description:	Power Plant & Tunnels		ND - Next Business Day		
Project Zip Code:	51104	Sampling Date & Time:	6-15-23		
PO Number:	103G65210190.17.05	Sampled By:	Stephen Kneer		
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
TS-01	Pipe Insulation	B	STD		
↓-02	↓				
↓-03	↓				
TR-01	Transfer Panel				
↓-02	↓				
TR-01	Tank Insulation				
↓-02	↓				
↓-03	↓				
TR-01	Air-to-cell Pipe Insulation				
↓-02	↓				
↓-03	↓				

RE		Barcode: 003295190										Other Requests		
PCM	Air	Soil												
		Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis - Flame AA		
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SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
A - Air	W - Wipe	<i>[Signature]</i>	6/16-23/2023	JMF 915	6/19/23
B - Bulk	T - Tape				
D - Dust	R - Rock				
SD - Soil	O - Other				

APPENDIX E

PCB ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORMS



07-Jul-2023

Kaitlyn Mitchell
Tetra Tech
415 Oak Street
Kansas City, MO 64106

Re: **Boys & Girls Home- Sioux City**

Work Order: **23061689**

Dear Kaitlyn,

ALS Environmental received 17 samples on 19-Jun-2023 09:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 30.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Electronically approved by: Jodi Blouw

Jodi Blouw

Report of Laboratory Analysis

Certificate No: IA: 403

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Client: Tetra Tech
Project: Boys & Girls Home- Sioux City
Work Order: 23061689

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
23061689-01	MB-EJ-01	Solid		6/15/2023	6/19/2023 09:00	<input type="checkbox"/>
23061689-02	MB-CLK-01	Solid		6/15/2023	6/19/2023 09:00	<input type="checkbox"/>
23061689-03	MB-CLK2-01	Solid		6/15/2023	6/19/2023 09:00	<input type="checkbox"/>
23061689-04	MB-DC-01	Solid		6/15/2023	6/19/2023 09:00	<input type="checkbox"/>
23061689-05	MB-DC2-02	Solid		6/15/2023	6/19/2023 09:00	<input type="checkbox"/>
23061689-06	MB-WC-01	Solid		6/15/2023	6/19/2023 09:00	<input type="checkbox"/>
23061689-07	B25-DC-01	Solid		6/15/2023	6/19/2023 09:00	<input type="checkbox"/>
23061689-08	B25-WC1-01	Solid		6/15/2023	6/19/2023 09:00	<input type="checkbox"/>
23061689-09	B25-WC2-01	Solid		6/15/2023	6/19/2023 09:00	<input type="checkbox"/>
23061689-10	B25-EJC1-01	Solid		6/15/2023	6/19/2023 09:00	<input type="checkbox"/>
23061689-11	B25-EJC2-01	Solid		6/15/2023	6/19/2023 09:00	<input type="checkbox"/>
23061689-12	B25-EJC3-01	Solid		6/15/2023	6/19/2023 09:00	<input type="checkbox"/>
23061689-13	C-DC-01	Solid		6/15/2023	6/19/2023 09:00	<input type="checkbox"/>
23061689-14	C-WC1-01	Solid		6/15/2023	6/19/2023 09:00	<input type="checkbox"/>
23061689-15	C-WC2-01	Solid		6/15/2023	6/19/2023 09:00	<input type="checkbox"/>
23061689-16	C-WC3-01	Solid		6/15/2023	6/19/2023 09:00	<input type="checkbox"/>
23061689-17	C-EJC-01	Solid		6/15/2023	6/19/2023 09:00	<input type="checkbox"/>

Client: Tetra Tech
Project: Boys & Girls Home- Sioux City
WorkOrder: 23061689

**QUALIFIERS,
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

<u>Units Reported</u>	<u>Description</u>
% of sample	Percent of Sample
µg/Kg-dry	Micrograms per Kilogram Dry Weight

Client: Tetra Tech
Project: Boys & Girls Home- Sioux City
Work Order: 23061689

Case Narrative

Samples for the above noted Work Order were received on 6/19/2023. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting. A copy of the laboratory's scope of accreditation is available upon request.

With the following exceptions, all sample analyses achieved analytical criteria.

Extractable Organics:

Batch 219238, Method SW8082A, Sample MB-DC-01 (23061689-04A): One or more surrogate recoveries were below the lower control limits. The sample results may be biased low. Decachlorobiphenyl
-Matrix interference
No other deviations or anomalies were noted.

Wet Chemistry:

No deviations or anomalies were noted.

Client: Tetra Tech

Project: Boys & Girls Home- Sioux City

Sample ID: MB-EJ-01

Collection Date: 6/15/2023

Work Order: 23061689

Lab ID: 23061689-01

Matrix: SOLID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082A	Prep: SW3550 7/3/23 14:17		Analyst: RM
Aroclor 1016	ND		1,100	µg/Kg-dry	1	7/4/2023 02:39 AM
Aroclor 1221	ND		1,100	µg/Kg-dry	1	7/4/2023 02:39 AM
Aroclor 1232	ND		1,100	µg/Kg-dry	1	7/4/2023 02:39 AM
Aroclor 1242	ND		1,100	µg/Kg-dry	1	7/4/2023 02:39 AM
Aroclor 1248	ND		1,100	µg/Kg-dry	1	7/4/2023 02:39 AM
Aroclor 1254	ND		1,100	µg/Kg-dry	1	7/4/2023 02:39 AM
Aroclor 1260	ND		1,100	µg/Kg-dry	1	7/4/2023 02:39 AM
Aroclor 1262	ND		1,100	µg/Kg-dry	1	7/4/2023 02:39 AM
Aroclor 1268	ND		1,100	µg/Kg-dry	1	7/4/2023 02:39 AM
PCBs, Total	ND		1,100	µg/Kg-dry	1	7/4/2023 02:39 AM
<i>Surr: Decachlorobiphenyl</i>	116		40-140	%REC	1	7/4/2023 02:39 AM
<i>Surr: Tetrachloro-m-xylene</i>	91.4		45-124	%REC	1	7/4/2023 02:39 AM
MOISTURE			SW3550C			Analyst: ALG
Moisture	0.79		0.10	% of sample	1	6/27/2023 03:49 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Boys & Girls Home- Sioux City
Sample ID: MB-CLK-01
Collection Date: 6/15/2023

Work Order: 23061689
Lab ID: 23061689-02
Matrix: SOLID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082A	Prep: SW3550 7/3/23 14:17		Analyst: RM
Aroclor 1016	ND		1,700	µg/Kg-dry	1	7/4/2023 02:51 AM
Aroclor 1221	ND		1,700	µg/Kg-dry	1	7/4/2023 02:51 AM
Aroclor 1232	ND		1,700	µg/Kg-dry	1	7/4/2023 02:51 AM
Aroclor 1242	ND		1,700	µg/Kg-dry	1	7/4/2023 02:51 AM
Aroclor 1248	ND		1,700	µg/Kg-dry	1	7/4/2023 02:51 AM
Aroclor 1254	ND		1,700	µg/Kg-dry	1	7/4/2023 02:51 AM
Aroclor 1260	ND		1,700	µg/Kg-dry	1	7/4/2023 02:51 AM
Aroclor 1262	ND		1,700	µg/Kg-dry	1	7/4/2023 02:51 AM
Aroclor 1268	ND		1,700	µg/Kg-dry	1	7/4/2023 02:51 AM
PCBs, Total	ND		1,700	µg/Kg-dry	1	7/4/2023 02:51 AM
<i>Surr: Decachlorobiphenyl</i>	89.7		40-140	%REC	1	7/4/2023 02:51 AM
<i>Surr: Tetrachloro-m-xylene</i>	72.6		45-124	%REC	1	7/4/2023 02:51 AM
MOISTURE			SW3550C			Analyst: ALG
Moisture	1.0		0.10	% of sample	1	6/27/2023 03:49 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
 Project: Boys & Girls Home- Sioux City
 Sample ID: MB-CLK2-01
 Collection Date: 6/15/2023

Work Order: 23061689
 Lab ID: 23061689-03
 Matrix: SOLID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082A	Prep: SW3550 7/3/23 14:17		Analyst: RM
Aroclor 1016	ND		620	µg/Kg-dry	1	7/4/2023 03:02 AM
Aroclor 1221	ND		620	µg/Kg-dry	1	7/4/2023 03:02 AM
Aroclor 1232	ND		620	µg/Kg-dry	1	7/4/2023 03:02 AM
Aroclor 1242	ND		620	µg/Kg-dry	1	7/4/2023 03:02 AM
Aroclor 1248	ND		620	µg/Kg-dry	1	7/4/2023 03:02 AM
Aroclor 1254	ND		620	µg/Kg-dry	1	7/4/2023 03:02 AM
Aroclor 1260	ND		620	µg/Kg-dry	1	7/4/2023 03:02 AM
Aroclor 1262	ND		620	µg/Kg-dry	1	7/4/2023 03:02 AM
Aroclor 1268	ND		620	µg/Kg-dry	1	7/4/2023 03:02 AM
PCBs, Total	ND		620	µg/Kg-dry	1	7/4/2023 03:02 AM
<i>Surr: Decachlorobiphenyl</i>	104		40-140	%REC	1	7/4/2023 03:02 AM
<i>Surr: Tetrachloro-m-xylene</i>	97.2		45-124	%REC	1	7/4/2023 03:02 AM
MOISTURE			SW3550C			Analyst: ALG
Moisture	0.92		0.10	% of sample	1	6/27/2023 03:49 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
 Project: Boys & Girls Home- Sioux City
 Sample ID: MB-DC-01
 Collection Date: 6/15/2023

Work Order: 23061689
 Lab ID: 23061689-04
 Matrix: SOLID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082A	Prep: SW3550 7/3/23 14:17		Analyst: RM
Aroclor 1016	ND		580	µg/Kg-dry	1	7/4/2023 03:14 AM
Aroclor 1221	ND		580	µg/Kg-dry	1	7/4/2023 03:14 AM
Aroclor 1232	ND		580	µg/Kg-dry	1	7/4/2023 03:14 AM
Aroclor 1242	ND		580	µg/Kg-dry	1	7/4/2023 03:14 AM
Aroclor 1248	ND		580	µg/Kg-dry	1	7/4/2023 03:14 AM
Aroclor 1254	ND		580	µg/Kg-dry	1	7/4/2023 03:14 AM
Aroclor 1260	ND		580	µg/Kg-dry	1	7/4/2023 03:14 AM
Aroclor 1262	ND		580	µg/Kg-dry	1	7/4/2023 03:14 AM
Aroclor 1268	ND		580	µg/Kg-dry	1	7/4/2023 03:14 AM
PCBs, Total	ND		580	µg/Kg-dry	1	7/4/2023 03:14 AM
<i>Surr: Decachlorobiphenyl</i>	19.4	S	40-140	%REC	1	7/4/2023 03:14 AM
<i>Surr: Tetrachloro-m-xylene</i>	80.9		45-124	%REC	1	7/4/2023 03:14 AM
MOISTURE			SW3550C			Analyst: ALG
Moisture	0.59		0.10	% of sample	1	6/27/2023 03:49 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
 Project: Boys & Girls Home- Sioux City
 Sample ID: MB-DC2-02
 Collection Date: 6/15/2023

Work Order: 23061689
 Lab ID: 23061689-05
 Matrix: SOLID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082A	Prep: SW3550 7/3/23 14:17		Analyst: RM
Aroclor 1016	ND		1,800	µg/Kg-dry	1	7/4/2023 03:49 AM
Aroclor 1221	ND		1,800	µg/Kg-dry	1	7/4/2023 03:49 AM
Aroclor 1232	ND		1,800	µg/Kg-dry	1	7/4/2023 03:49 AM
Aroclor 1242	ND		1,800	µg/Kg-dry	1	7/4/2023 03:49 AM
Aroclor 1248	ND		1,800	µg/Kg-dry	1	7/4/2023 03:49 AM
Aroclor 1254	ND		1,800	µg/Kg-dry	1	7/4/2023 03:49 AM
Aroclor 1260	ND		1,800	µg/Kg-dry	1	7/4/2023 03:49 AM
Aroclor 1262	ND		1,800	µg/Kg-dry	1	7/4/2023 03:49 AM
Aroclor 1268	ND		1,800	µg/Kg-dry	1	7/4/2023 03:49 AM
PCBs, Total	ND		1,800	µg/Kg-dry	1	7/4/2023 03:49 AM
<i>Surr: Decachlorobiphenyl</i>	114		40-140	%REC	1	7/4/2023 03:49 AM
<i>Surr: Tetrachloro-m-xylene</i>	89.4		45-124	%REC	1	7/4/2023 03:49 AM
MOISTURE			SW3550C			Analyst: ALG
Moisture	0.88		0.10	% of sample	1	6/27/2023 03:49 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
 Project: Boys & Girls Home- Sioux City
 Sample ID: MB-WC-01
 Collection Date: 6/15/2023

Work Order: 23061689
 Lab ID: 23061689-06
 Matrix: SOLID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082A	Prep: SW3550 7/3/23 14:17		Analyst: RM
Aroclor 1016	ND		450	µg/Kg-dry	1	7/4/2023 04:01 AM
Aroclor 1221	ND		450	µg/Kg-dry	1	7/4/2023 04:01 AM
Aroclor 1232	ND		450	µg/Kg-dry	1	7/4/2023 04:01 AM
Aroclor 1242	ND		450	µg/Kg-dry	1	7/4/2023 04:01 AM
Aroclor 1248	ND		450	µg/Kg-dry	1	7/4/2023 04:01 AM
Aroclor 1254	ND		450	µg/Kg-dry	1	7/4/2023 04:01 AM
Aroclor 1260	ND		450	µg/Kg-dry	1	7/4/2023 04:01 AM
Aroclor 1262	ND		450	µg/Kg-dry	1	7/4/2023 04:01 AM
Aroclor 1268	ND		450	µg/Kg-dry	1	7/4/2023 04:01 AM
PCBs, Total	ND		450	µg/Kg-dry	1	7/4/2023 04:01 AM
<i>Surr: Decachlorobiphenyl</i>	91.6		40-140	%REC	1	7/4/2023 04:01 AM
<i>Surr: Tetrachloro-m-xylene</i>	79.6		45-124	%REC	1	7/4/2023 04:01 AM
MOISTURE			SW3550C			Analyst: ALG
Moisture	0.77		0.10	% of sample	1	6/28/2023 12:01 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
 Project: Boys & Girls Home- Sioux City
 Sample ID: B25-DC-01
 Collection Date: 6/15/2023

Work Order: 23061689
 Lab ID: 23061689-07
 Matrix: SOLID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082A	Prep: SW3550 7/3/23 14:17		Analyst: RM
Aroclor 1016	ND		470	µg/Kg-dry	1	7/4/2023 04:13 AM
Aroclor 1221	ND		470	µg/Kg-dry	1	7/4/2023 04:13 AM
Aroclor 1232	ND		470	µg/Kg-dry	1	7/4/2023 04:13 AM
Aroclor 1242	ND		470	µg/Kg-dry	1	7/4/2023 04:13 AM
Aroclor 1248	ND		470	µg/Kg-dry	1	7/4/2023 04:13 AM
Aroclor 1254	ND		470	µg/Kg-dry	1	7/4/2023 04:13 AM
Aroclor 1260	ND		470	µg/Kg-dry	1	7/4/2023 04:13 AM
Aroclor 1262	ND		470	µg/Kg-dry	1	7/4/2023 04:13 AM
Aroclor 1268	ND		470	µg/Kg-dry	1	7/4/2023 04:13 AM
PCBs, Total	ND		470	µg/Kg-dry	1	7/4/2023 04:13 AM
<i>Surr: Decachlorobiphenyl</i>	99.2		40-140	%REC	1	7/4/2023 04:13 AM
<i>Surr: Tetrachloro-m-xylene</i>	89.6		45-124	%REC	1	7/4/2023 04:13 AM
MOISTURE			SW3550C			Analyst: ALG
Moisture	1.6		0.10	% of sample	1	6/28/2023 12:01 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
 Project: Boys & Girls Home- Sioux City
 Sample ID: B25-WC1-01
 Collection Date: 6/15/2023

Work Order: 23061689
 Lab ID: 23061689-08
 Matrix: SOLID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082A	Prep: SW3550 7/3/23 14:17		Analyst: RM
Aroclor 1016	ND		180	µg/Kg-dry	1	7/4/2023 04:25 AM
Aroclor 1221	ND		180	µg/Kg-dry	1	7/4/2023 04:25 AM
Aroclor 1232	ND		180	µg/Kg-dry	1	7/4/2023 04:25 AM
Aroclor 1242	ND		180	µg/Kg-dry	1	7/4/2023 04:25 AM
Aroclor 1248	ND		180	µg/Kg-dry	1	7/4/2023 04:25 AM
Aroclor 1254	ND		180	µg/Kg-dry	1	7/4/2023 04:25 AM
Aroclor 1260	ND		180	µg/Kg-dry	1	7/4/2023 04:25 AM
Aroclor 1262	ND		180	µg/Kg-dry	1	7/4/2023 04:25 AM
Aroclor 1268	ND		180	µg/Kg-dry	1	7/4/2023 04:25 AM
PCBs, Total	ND		180	µg/Kg-dry	1	7/4/2023 04:25 AM
<i>Surr: Decachlorobiphenyl</i>	104		40-140	%REC	1	7/4/2023 04:25 AM
<i>Surr: Tetrachloro-m-xylene</i>	85.6		45-124	%REC	1	7/4/2023 04:25 AM
MOISTURE			SW3550C			Analyst: ALG
Moisture	0.85		0.10	% of sample	1	6/28/2023 12:01 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
 Project: Boys & Girls Home- Sioux City
 Sample ID: B25-WC2-01
 Collection Date: 6/15/2023

Work Order: 23061689
 Lab ID: 23061689-09
 Matrix: SOLID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082A	Prep: SW3550 7/3/23 14:17		Analyst: RM
Aroclor 1016	ND		200	µg/Kg-dry	1	7/4/2023 04:37 AM
Aroclor 1221	ND		200	µg/Kg-dry	1	7/4/2023 04:37 AM
Aroclor 1232	ND		200	µg/Kg-dry	1	7/4/2023 04:37 AM
Aroclor 1242	ND		200	µg/Kg-dry	1	7/4/2023 04:37 AM
Aroclor 1248	ND		200	µg/Kg-dry	1	7/4/2023 04:37 AM
Aroclor 1254	ND		200	µg/Kg-dry	1	7/4/2023 04:37 AM
Aroclor 1260	ND		200	µg/Kg-dry	1	7/4/2023 04:37 AM
Aroclor 1262	ND		200	µg/Kg-dry	1	7/4/2023 04:37 AM
Aroclor 1268	ND		200	µg/Kg-dry	1	7/4/2023 04:37 AM
PCBs, Total	ND		200	µg/Kg-dry	1	7/4/2023 04:37 AM
<i>Surr: Decachlorobiphenyl</i>	133		40-140	%REC	1	7/4/2023 04:37 AM
<i>Surr: Tetrachloro-m-xylene</i>	83.2		45-124	%REC	1	7/4/2023 04:37 AM
MOISTURE			SW3550C			Analyst: ALG
Moisture	1.3		0.10	% of sample	1	6/28/2023 12:01 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
 Project: Boys & Girls Home- Sioux City
 Sample ID: B25-EJC1-01
 Collection Date: 6/15/2023

Work Order: 23061689
 Lab ID: 23061689-10
 Matrix: SOLID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082A	Prep: SW3550 7/3/23 14:17		Analyst: RM
Aroclor 1016	ND		200	µg/Kg-dry	1	7/4/2023 04:48 AM
Aroclor 1221	ND		200	µg/Kg-dry	1	7/4/2023 04:48 AM
Aroclor 1232	ND		200	µg/Kg-dry	1	7/4/2023 04:48 AM
Aroclor 1242	ND		200	µg/Kg-dry	1	7/4/2023 04:48 AM
Aroclor 1248	ND		200	µg/Kg-dry	1	7/4/2023 04:48 AM
Aroclor 1254	1,400,000		100,000	µg/Kg-dry	500	7/6/2023 11:50 AM
Aroclor 1260	ND		200	µg/Kg-dry	1	7/4/2023 04:48 AM
Aroclor 1262	ND		200	µg/Kg-dry	1	7/4/2023 04:48 AM
Aroclor 1268	ND		200	µg/Kg-dry	1	7/4/2023 04:48 AM
PCBs, Total	1,400,000		100,000	µg/Kg-dry	500	7/6/2023 11:50 AM
Surr: Decachlorobiphenyl	119		40-140	%REC	1	7/4/2023 04:48 AM
Surr: Tetrachloro-m-xylene	85.6		45-124	%REC	1	7/4/2023 04:48 AM
MOISTURE			SW3550C			Analyst: ALG
Moisture	0.69		0.10	% of sample	1	6/28/2023 12:01 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
 Project: Boys & Girls Home- Sioux City
 Sample ID: B25-EJC2-01
 Collection Date: 6/15/2023

Work Order: 23061689
 Lab ID: 23061689-11
 Matrix: SOLID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082A	Prep: SW3550 7/3/23 14:17		Analyst: RM
Aroclor 1016	ND		1,700	µg/Kg-dry	5	7/5/2023 02:43 PM
Aroclor 1221	ND		1,700	µg/Kg-dry	5	7/5/2023 02:43 PM
Aroclor 1232	ND		1,700	µg/Kg-dry	5	7/5/2023 02:43 PM
Aroclor 1242	ND		1,700	µg/Kg-dry	5	7/5/2023 02:43 PM
Aroclor 1248	ND		1,700	µg/Kg-dry	5	7/5/2023 02:43 PM
Aroclor 1254	ND		1,700	µg/Kg-dry	5	7/5/2023 02:43 PM
Aroclor 1260	150,000		17,000	µg/Kg-dry	50	7/6/2023 03:10 AM
Aroclor 1262	ND		1,700	µg/Kg-dry	5	7/5/2023 02:43 PM
Aroclor 1268	ND		1,700	µg/Kg-dry	5	7/5/2023 02:43 PM
PCBs, Total	150,000		17,000	µg/Kg-dry	50	7/6/2023 03:10 AM
Surr: Decachlorobiphenyl	51.1		40-140	%REC	5	7/5/2023 02:43 PM
Surr: Tetrachloro-m-xylene	64.8		45-124	%REC	5	7/5/2023 02:43 PM
MOISTURE			SW3550C			Analyst: ALG
Moisture	0.70		0.10	% of sample	1	6/28/2023 12:01 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
 Project: Boys & Girls Home- Sioux City
 Sample ID: B25-EJC3-01
 Collection Date: 6/15/2023

Work Order: 23061689
 Lab ID: 23061689-12
 Matrix: SOLID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082A	Prep: SW3550 7/3/23 14:17		Analyst: RM
Aroclor 1016	ND		630	µg/Kg-dry	1	7/4/2023 05:00 AM
Aroclor 1221	ND		630	µg/Kg-dry	1	7/4/2023 05:00 AM
Aroclor 1232	ND		630	µg/Kg-dry	1	7/4/2023 05:00 AM
Aroclor 1242	ND		630	µg/Kg-dry	1	7/4/2023 05:00 AM
Aroclor 1248	ND		630	µg/Kg-dry	1	7/4/2023 05:00 AM
Aroclor 1254	ND		630	µg/Kg-dry	1	7/4/2023 05:00 AM
Aroclor 1260	ND		630	µg/Kg-dry	1	7/4/2023 05:00 AM
Aroclor 1262	ND		630	µg/Kg-dry	1	7/4/2023 05:00 AM
Aroclor 1268	ND		630	µg/Kg-dry	1	7/4/2023 05:00 AM
PCBs, Total	ND		630	µg/Kg-dry	1	7/4/2023 05:00 AM
<i>Surr: Decachlorobiphenyl</i>	108		40-140	%REC	1	7/4/2023 05:00 AM
<i>Surr: Tetrachloro-m-xylene</i>	74.4		45-124	%REC	1	7/4/2023 05:00 AM
MOISTURE			SW3550C			Analyst: ALG
Moisture	1.1		0.10	% of sample	1	6/28/2023 12:01 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech

Project: Boys & Girls Home- Sioux City

Sample ID: C-DC-01

Collection Date: 6/15/2023

Work Order: 23061689

Lab ID: 23061689-13

Matrix: SOLID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082A	Prep: SW3550 7/3/23 14:17		Analyst: RM
Aroclor 1016	ND		120	µg/Kg-dry	1	7/4/2023 05:12 AM
Aroclor 1221	ND		120	µg/Kg-dry	1	7/4/2023 05:12 AM
Aroclor 1232	ND		120	µg/Kg-dry	1	7/4/2023 05:12 AM
Aroclor 1242	ND		120	µg/Kg-dry	1	7/4/2023 05:12 AM
Aroclor 1248	ND		120	µg/Kg-dry	1	7/4/2023 05:12 AM
Aroclor 1254	ND		120	µg/Kg-dry	1	7/4/2023 05:12 AM
Aroclor 1260	ND		120	µg/Kg-dry	1	7/4/2023 05:12 AM
Aroclor 1262	ND		120	µg/Kg-dry	1	7/4/2023 05:12 AM
Aroclor 1268	ND		120	µg/Kg-dry	1	7/4/2023 05:12 AM
PCBs, Total	ND		120	µg/Kg-dry	1	7/4/2023 05:12 AM
<i>Surr: Decachlorobiphenyl</i>	123		40-140	%REC	1	7/4/2023 05:12 AM
<i>Surr: Tetrachloro-m-xylene</i>	66.4		45-124	%REC	1	7/4/2023 05:12 AM
MOISTURE			SW3550C			Analyst: ALG
Moisture	1.3		0.10	% of sample	1	6/28/2023 12:01 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
 Project: Boys & Girls Home- Sioux City
 Sample ID: C-WC1-01
 Collection Date: 6/15/2023

Work Order: 23061689
 Lab ID: 23061689-14
 Matrix: SOLID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082A	Prep: SW3550 7/3/23 14:17		Analyst: RM
Aroclor 1016	ND		390	µg/Kg-dry	1	7/4/2023 05:24 AM
Aroclor 1221	ND		390	µg/Kg-dry	1	7/4/2023 05:24 AM
Aroclor 1232	ND		390	µg/Kg-dry	1	7/4/2023 05:24 AM
Aroclor 1242	ND		390	µg/Kg-dry	1	7/4/2023 05:24 AM
Aroclor 1248	ND		390	µg/Kg-dry	1	7/4/2023 05:24 AM
Aroclor 1254	1,300		390	µg/Kg-dry	1	7/4/2023 05:24 AM
Aroclor 1260	ND		390	µg/Kg-dry	1	7/4/2023 05:24 AM
Aroclor 1262	ND		390	µg/Kg-dry	1	7/4/2023 05:24 AM
Aroclor 1268	ND		390	µg/Kg-dry	1	7/4/2023 05:24 AM
PCBs, Total	1,300		390	µg/Kg-dry	1	7/4/2023 05:24 AM
Surr: Decachlorobiphenyl	68.7		40-140	%REC	1	7/4/2023 05:24 AM
Surr: Tetrachloro-m-xylene	63.3		45-124	%REC	1	7/4/2023 05:24 AM
MOISTURE			SW3550C			Analyst: ALG
Moisture	0.25		0.10	% of sample	1	6/28/2023 12:49 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
 Project: Boys & Girls Home- Sioux City
 Sample ID: C-WC2-01
 Collection Date: 6/15/2023

Work Order: 23061689
 Lab ID: 23061689-15
 Matrix: SOLID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082A	Prep: SW3550 7/3/23 14:17		Analyst: RM
Aroclor 1016	ND		860	µg/Kg-dry	1	7/4/2023 05:36 AM
Aroclor 1221	ND		860	µg/Kg-dry	1	7/4/2023 05:36 AM
Aroclor 1232	ND		860	µg/Kg-dry	1	7/4/2023 05:36 AM
Aroclor 1242	ND		860	µg/Kg-dry	1	7/4/2023 05:36 AM
Aroclor 1248	ND		860	µg/Kg-dry	1	7/4/2023 05:36 AM
Aroclor 1254	ND		860	µg/Kg-dry	1	7/4/2023 05:36 AM
Aroclor 1260	5,100		860	µg/Kg-dry	1	7/4/2023 05:36 AM
Aroclor 1262	ND		860	µg/Kg-dry	1	7/4/2023 05:36 AM
Aroclor 1268	ND		860	µg/Kg-dry	1	7/4/2023 05:36 AM
PCBs, Total	5,100		860	µg/Kg-dry	1	7/4/2023 05:36 AM
Surr: Decachlorobiphenyl	109		40-140	%REC	1	7/4/2023 05:36 AM
Surr: Tetrachloro-m-xylene	88.1		45-124	%REC	1	7/4/2023 05:36 AM
MOISTURE			SW3550C			Analyst: ALG
Moisture	0.74		0.10	% of sample	1	6/28/2023 12:49 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
 Project: Boys & Girls Home- Sioux City
 Sample ID: C-WC3-01
 Collection Date: 6/15/2023

Work Order: 23061689
 Lab ID: 23061689-16
 Matrix: SOLID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082A	Prep: SW3550 7/3/23 14:17		Analyst: RM
Aroclor 1016	ND		680	µg/Kg-dry	1	7/4/2023 06:11 AM
Aroclor 1221	ND		680	µg/Kg-dry	1	7/4/2023 06:11 AM
Aroclor 1232	ND		680	µg/Kg-dry	1	7/4/2023 06:11 AM
Aroclor 1242	ND		680	µg/Kg-dry	1	7/4/2023 06:11 AM
Aroclor 1248	ND		680	µg/Kg-dry	1	7/4/2023 06:11 AM
Aroclor 1254	900		680	µg/Kg-dry	1	7/4/2023 06:11 AM
Aroclor 1260	ND		680	µg/Kg-dry	1	7/4/2023 06:11 AM
Aroclor 1262	ND		680	µg/Kg-dry	1	7/4/2023 06:11 AM
Aroclor 1268	ND		680	µg/Kg-dry	1	7/4/2023 06:11 AM
PCBs, Total	890		680	µg/Kg-dry	1	7/4/2023 06:11 AM
Surr: Decachlorobiphenyl	113		40-140	%REC	1	7/4/2023 06:11 AM
Surr: Tetrachloro-m-xylene	119		45-124	%REC	1	7/4/2023 06:11 AM
MOISTURE			SW3550C			Analyst: ALG
Moisture	1.3		0.10	% of sample	1	6/28/2023 12:49 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech

Project: Boys & Girls Home- Sioux City

Sample ID: C-EJC-01

Collection Date: 6/15/2023

Work Order: 23061689

Lab ID: 23061689-17

Matrix: SOLID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			SW8082A	Prep: SW3550 7/3/23 14:17		Analyst: RM
Aroclor 1016	ND		81	µg/Kg-dry	1	7/4/2023 06:23 AM
Aroclor 1221	ND		81	µg/Kg-dry	1	7/4/2023 06:23 AM
Aroclor 1232	ND		81	µg/Kg-dry	1	7/4/2023 06:23 AM
Aroclor 1242	ND		81	µg/Kg-dry	1	7/4/2023 06:23 AM
Aroclor 1248	ND		81	µg/Kg-dry	1	7/4/2023 06:23 AM
Aroclor 1254	560		81	µg/Kg-dry	1	7/4/2023 06:23 AM
Aroclor 1260	ND		81	µg/Kg-dry	1	7/4/2023 06:23 AM
Aroclor 1262	ND		81	µg/Kg-dry	1	7/4/2023 06:23 AM
Aroclor 1268	ND		81	µg/Kg-dry	1	7/4/2023 06:23 AM
PCBs, Total	560		81	µg/Kg-dry	1	7/4/2023 06:23 AM
Surr: Decachlorobiphenyl	101		40-140	%REC	1	7/4/2023 06:23 AM
Surr: Tetrachloro-m-xylene	95.4		45-124	%REC	1	7/4/2023 06:23 AM
MOISTURE			SW3550C			Analyst: ALG
Moisture	0.80		0.10	% of sample	1	6/28/2023 12:49 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 07-Jul-23

Client: Tetra Tech
Work Order: 23061689
Project: Boys & Girls Home- Sioux City

QC BATCH REPORT

Batch ID: **219238** Instrument ID **GC14** Method: **SW8082A**

MBLK		Sample ID: PBLKS1-219238-219238				Units: µg/Kg		Analysis Date: 7/4/2023 01:40 AM			
Client ID:		Run ID: GC14_230703A				SeqNo: 9736865		Prep Date: 7/3/2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Aroclor 1016	ND	83									
Aroclor 1221	ND	83									
Aroclor 1232	ND	83									
Aroclor 1242	ND	83									
Aroclor 1248	ND	83									
Aroclor 1254	ND	83									
Aroclor 1260	ND	83									
Aroclor 1262	ND	83									
Aroclor 1268	ND	83									
PCBs, Total	ND	83									
Surr: Decachlorobiphenyl	40.27	0	33.3	0	121	40-140	0				
Surr: Tetrachloro-m-xylene	37.87	0	33.3	0	114	45-124	0				

LCS		Sample ID: PLCSS1-219238-219238				Units: µg/Kg		Analysis Date: 7/4/2023 01:52 AM			
Client ID:		Run ID: GC14_230703A				SeqNo: 9736866		Prep Date: 7/3/2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Aroclor 1016	630.8	83	833	0	75.7	50-130	0				
Aroclor 1260	823.9	83	833	0	98.9	50-130	0				
Surr: Decachlorobiphenyl	39.18	0	33.3	0	118	40-140	0				
Surr: Tetrachloro-m-xylene	33.02	0	33.3	0	99.1	45-124	0				

MS		Sample ID: 23062780-02A MS				Units: µg/Kg		Analysis Date: 7/4/2023 02:03 AM			
Client ID:		Run ID: GC14_230703A				SeqNo: 9736867		Prep Date: 7/3/2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Aroclor 1016	1862	210	2101	0	88.6	40-140	0				
Aroclor 1260	2009	210	2101	0	95.6	40-140	0				
Surr: Decachlorobiphenyl	91.72	0	83.99	0	109	40-140	0				
Surr: Tetrachloro-m-xylene	82.43	0	83.99	0	98.1	45-124	0				

MSD		Sample ID: 23062780-02A MSD				Units: µg/Kg		Analysis Date: 7/4/2023 02:15 AM			
Client ID:		Run ID: GC14_230703A				SeqNo: 9736868		Prep Date: 7/3/2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Aroclor 1016	2133	220	2207	0	96.7	40-140	1862	13.6	50		
Aroclor 1260	2257	220	2207	0	102	40-140	2009	11.6	50		
Surr: Decachlorobiphenyl	102.4	0	88.22	0	116	40-140	91.72	11	50		
Surr: Tetrachloro-m-xylene	94.57	0	88.22	0	107	45-124	82.43	13.7	50		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 23061689
Project: Boys & Girls Home- Sioux City

QC BATCH REPORT

Batch ID: **219238** Instrument ID **GC14** Method: **SW8082A**

The following samples were analyzed in this batch:

23061689-01A	23061689-02A	23061689-03A
23061689-04A	23061689-05A	23061689-06A
23061689-07A	23061689-08A	23061689-09A
23061689-10A	23061689-11A	23061689-12A
23061689-13A	23061689-14A	23061689-15A
23061689-16A	23061689-17A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
 Work Order: 23061689
 Project: Boys & Girls Home- Sioux City

QC BATCH REPORT

Batch ID: **R375360** Instrument ID **MOIST** Method: **SW3550C**

MBLK		Sample ID: WBLKS-R375360				Units: % of sample		Analysis Date: 6/27/2023 03:49 PM			
Client ID:		Run ID: MOIST_230627E				SeqNo: 9710355		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Moisture ND 0.10

LCS		Sample ID: LCS-R375360				Units: % of sample		Analysis Date: 6/27/2023 03:49 PM			
Client ID:		Run ID: MOIST_230627E				SeqNo: 9710354		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Moisture 100 0.10 100 0 100 98-102 0

DUP		Sample ID: 23061683-01A DUP				Units: % of sample		Analysis Date: 6/27/2023 03:49 PM			
Client ID:		Run ID: MOIST_230627E				SeqNo: 9710339		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Moisture 30.89 0.10 0 0 0 0-0 30.92 0.0971 10

DUP		Sample ID: 23062049-01A DUP				Units: % of sample		Analysis Date: 6/27/2023 03:49 PM			
Client ID:		Run ID: MOIST_230627E				SeqNo: 9710347		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Moisture 16.57 0.10 0 0 0 0-0 16.8 1.38 10

The following samples were analyzed in this batch:

23061689-01A	23061689-02A	23061689-03A
23061689-04A	23061689-05A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 23061689
Project: Boys & Girls Home- Sioux City

QC BATCH REPORT

Batch ID: **R375480** Instrument ID **MOIST** Method: **SW3550C**

MBLK		Sample ID: WBLKS-R375480				Units: % of sample		Analysis Date: 6/28/2023 12:01 PM		
Client ID:		Run ID: MOIST_230628A		SeqNo: 9715354		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture ND 0.10

LCS		Sample ID: LCS-R375480				Units: % of sample		Analysis Date: 6/28/2023 12:01 PM		
Client ID:		Run ID: MOIST_230628A		SeqNo: 9715353		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 100 0.10 100 0 100 98-102 0

DUP		Sample ID: 23061798-01A DUP				Units: % of sample		Analysis Date: 6/28/2023 12:01 PM		
Client ID:		Run ID: MOIST_230628A		SeqNo: 9715342		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 5.6 0.10 0 0 0 0-0 5.36 4.38 10

DUP		Sample ID: 23062055-05A DUP				Units: % of sample		Analysis Date: 6/28/2023 12:01 PM		
Client ID:		Run ID: MOIST_230628A		SeqNo: 9715349		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 10.95 0.10 0 0 0 0-0 10.74 1.94 10

The following samples were analyzed in this batch:

23061689-06A	23061689-07A	23061689-08A
23061689-09A	23061689-10A	23061689-11A
23061689-12A	23061689-13A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 23061689
Project: Boys & Girls Home- Sioux City

QC BATCH REPORT

Batch ID: **R375482** Instrument ID **MOIST** Method: **SW3550C**

MBLK		Sample ID: WBLKS-R375482				Units: % of sample		Analysis Date: 6/28/2023 12:49 PM		
Client ID:		Run ID: MOIST_230628B		SeqNo: 9715394		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture ND 0.10

LCS		Sample ID: LCS-R375482				Units: % of sample		Analysis Date: 6/28/2023 12:49 PM		
Client ID:		Run ID: MOIST_230628B		SeqNo: 9715393		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 100 0.10 100 0 100 98-102 0

DUP		Sample ID: 23062055-07A DUP				Units: % of sample		Analysis Date: 6/28/2023 12:49 PM		
Client ID:		Run ID: MOIST_230628B		SeqNo: 9715375		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 30.54 0.10 0 0 0 0-0 32.08 4.92 10

DUP		Sample ID: 23062434-02A DUP				Units: % of sample		Analysis Date: 6/28/2023 12:49 PM		
Client ID:		Run ID: MOIST_230628B		SeqNo: 9715391		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 13.25 0.10 0 0 0 0-0 12.19 8.33 10

The following samples were analyzed in this batch:

23061689-14A	23061689-15A	23061689-16A
23061689-17A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Chain of Custody Form

Page 1 of 2

ALS Environmental
 3352 128th Avenue
 Holland, Michigan 49424
 (Tel) 616.399.6070
 (Fax) 616.399.6185

Customer Information		Project Information			Parameter/Method Request for Analysis												
Purchase Order		Project Name	Boys & Girls Home - Sioux City		A	PCBS											
Quote #		Project Number	107665210190.17.05		B												
Company Name	Tetra Tech	Bill To Company	Tetra Tech		C												
Send Report To	Kaitlyn Mitchell	Invoice Attn.	Kaitly Mitchell		D												
Address	415 Oak St.	Address			E												
City/State/Zip	Kansas City, MO 64106	City/State/Zip	Sioux City, IA 51104		F												
Phone	816-412-1755	Phone			G												
Fax		Fax			H												
e-Mail Address	Kaitlyn.mitchell@tetra.tech.com				I												
					J												

23061689

TETRATECH - MO: Tetra Tech
 Project: Boys & Girls Home - Sioux City

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
	MB-ES-01	6-15-23		Solid	IV/A	1	X										
	MB-CLK-01	↓		↓	↓	↓	↓										
	MB-CLK2-01																
	MD-DC-01																
	MD-DC2-02																
	MD-WC-01																
	B25-DC-01																
	B25-WC-01																
	B25-WC2-01																
	D25-ES-01																

Sampler(s): Please Print & Sign Stephen Crow	Shipment Method: FedEx	Turnaround Time: (Business Days) <input checked="" type="checkbox"/> 10 BD <input type="checkbox"/> 5 BD <input type="checkbox"/> 3 BD <input type="checkbox"/> 2 BD <input type="checkbox"/> 1 BD	<input checked="" type="checkbox"/> Other _____	Results Due Date:
--	----------------------------------	--	---	--------------------------

Relinquished by: Stephen Crow	Date: 6/16/23	Time: 1500	Received by: FedEx	Date:	Time:	Notes: No ice
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Relinquished by: FedEx	Date: 6/19/23	Time: 0900	Received by (Laboratory): Kaitlyn Mitchell	Date: 6/19/23	Time: 0900	Cooler Temp °C: IR3 23.0°C	pH Verified:	QC Package: (Check Box Below)
Logged by (Laboratory): KTY	Date: 6/19/23	Time: 1400	Checked by (Laboratory):					<input type="checkbox"/> Level II: Standard QC <input type="checkbox"/> Level III: Raw Data <input type="checkbox"/> TRRP LRC <input type="checkbox"/> TRRP Level IV <input type="checkbox"/> Level IV: SW846 Methods/CLP like <input type="checkbox"/> Other: _____

Preservative Key: 1-HCl 2-HNO₃ 3-H₂SO₄ 4-NaOH 5-Na₂S₂O₃ 6-NaHSO₄ 7-Other 8-4°C 9-5035A



Chain of Custody Form

Page 2 of 2

ALS Environmental
 3352 128th Avenue
 Holland, Michigan 49424
 (Tel) 616.399.6070
 (Fax) 616.399.6185

Customer Information		Project Information		ALS Project Manager:		ALS Work Order #:	
Purchase Order		Project Name		A	PCB's		
Quote #		Project Number		B			
Company Name		Bill To Company		C			
Send Report To		Invoice Attn.		D			
Address	See Page 1	Address	See Page 1	E			
City/State/Zip		City/State/Zip		F			
Phone		Phone		G			
Fax		Fax		H			
e-Mail Address				I			

23061689

TETRATECH - MO: Tetra Tech
 Project: Boys & Girls Home- Sioux City



No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
	BAS-ETC2-01	6-16-23		Solids	N/A	1	↑										
	BAS-ETC3-01					1											
	C-DC-01					1											
	C-WC1-01					1											
	C-WC2-01					1											
	C-WC3-01					1											

Sampler(s): Please Print & Sign		Shipment Method:		Turnaround Time: (Business Days)				Results Due Date:	
Stephen Krew		FedEx		<input checked="" type="checkbox"/> 10 BD <input type="checkbox"/> 5 BD <input type="checkbox"/> 3 BD <input type="checkbox"/> 2 BD <input type="checkbox"/> 1 BD					
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Notes:			
[Signature]	6-16-23	1500	Fedex			NO ice			
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:	Cooler Temp °C	pH Verified	QC Package: (Check Box Below)	
Fedex	6/19/23	0900	Karlyn Jalasek	6/19/23	0900			<input type="checkbox"/> Level II: Standard QC <input type="checkbox"/> Level III: Raw Data <input type="checkbox"/> TRRP LRC <input type="checkbox"/> TRRP Level IV <input type="checkbox"/> Level IV: SW846 Methods/CLP like <input type="checkbox"/> Other:	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		Cooler Temp °C				
KTY	6/19/23	1400	[Signature]		IR3 23.00				

Sample Receipt Checklist

Client Name: **TETRATECH - MO**

Date/Time Received: **19-Jun-23 09:00**

Work Order: **23061689**

Received by: **KYB**

Checklist completed by Karly Yablonski 19-Jun-23
 eSignature Date

Reviewed by: Jodi Blauw 19-Jun-23
 eSignature Date

Matrices: **Solid**

Carrier name: **FedEx**

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container/Temp Blank temperature in compliance? Yes No
- Sample(s) received on ice? Yes No
- Temperature(s)/Thermometer(s):
- Cooler(s)/Kit(s):
- Date/Time sample(s) sent to storage:
- Water - VOA vials have zero headspace? Yes No No VOA vials submitted
- Water - pH acceptable upon receipt? Yes No N/A
- pH adjusted? Yes No N/A
- pH adjusted by:

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction: