

REQUEST FOR PROPOSAL

NO. 2024-115

FORMER LYONS FALLS SCHOOL ABATEMENT

Date: October 8, 2024

To Whom It May Concern:

Lewis County is currently seeking proposals for interested and qualified vendors to provide pre-renovation interior asbestos abatement, window caulking abatement, and interior/exterior debris cleanup and waste removal for the former Lyons Falls School located at 6832 McAlpine Street, Lyons Falls, NY within the scope of work listed in sections 2.1 and 2.2 of the RFP.

All proposals are to be mailed to:

Cassandra Moser, Clerk of the Board
County Courthouse, 2nd Floor, Room 225
7660 North State Street, Lowville, New York 13367

or delivered in person between the hours of 8:30 A.M. and 4:30 P.M., Monday through Friday. All proposals must be received on or before **10:00 a.m. on October 15th**. Late proposals will not be considered.

The successful Proposer will be required to comply with all state and local laws and regulations. This includes but is not limited to, all applicable Equal Employment Opportunities laws and any Disadvantaged Business Enterprise, Minority and Women-Owned Business Enterprises, and Service-Disabled Veteran-Owned Business regulations as outlined in the RFP.

Lewis County reserves the right to forego any formalities and reject any or all proposals. Lewis County is an Equal Opportunity Employer. This RFP can be found on and downloaded from the Lewis County Website: www.lewiscountyny.gov

Sincerely,



Brian Hanno
Lewis County Purchasing Director

1. Introduction

1.1 Purpose/Objective

The County has determined that it is desirable to solicit offers from interested and qualified vendors/contractors to abate and cleanup the former Lyons Falls School at 6832 McAlpine Street, Lyons Falls, NY; within the location and scope of work listed in sections 2.1 and 2.2 herein.

The County intends to open the bid responses to this RFP on **October 15th, 2024, at 10:00 a.m.**, with an award to be made by no later than **November 6th, 2024**.

1.2 Inquiries and Pre-proposal Site Visit

Bidders are required to satisfy themselves, by personal examination of the site, as to the work involved and of the difficulties likely to be encountered in the performance of work under this RFP. To schedule a site visit, please contact Brian Hanno at 315-376-5144. No place of ignorance of conditions that exist, or that may hereafter exist, or of any conditions or difficulties that may be encountered in the execution of the work under this bid as a result of failure to make the necessary examination and investigation, will be accepted as an excuse for any failure to or omission on the part of the bidder to fulfill in every respect all the requirements, specifications, etc., nor will same be accepted as a basis for any claim for extra compensation. the contractor and its employees, staff, etc. assume any and all risk of personal injury, including exposure to any hazardous waste and materials, and property damage as a result of site visit and work in and on the site. Bidders shall indemnify and hold the County harmless with respect to any and all hazardous substance exposure and claims for personal injury from same. Any and all persons entering the property and into the building shall be properly protected from any and all hazardous waste, substances, and exposures at their own cost and expense.

If there are questions about this RFP, they must be received by **Noon on Friday, October 11th, 2024**, and be sent in writing to the Purchasing Department at the below address:

Brian Hanno
Purchasing Director
7660 N. State Street
Courthouse, 1st Floor, Suite 120
Lowville, NY 13367
brianhanno@lewiscounty.ny.gov

Responses to any questions will be made in writing and will be posted on the County's website. It will be the responsibility of the Proposer to check the website for answers to questions and new information.

1.3 Minority, Women-owned Enterprises and Service-Disabled Veteran-Owned Businesses

It is the goal of Lewis County to achieve race and gender equality and to foster small business opportunities in the award and implementation of contracts and subcontracts. The goal is to build a diverse and prosperous group of community contractors and trained employees who can effectively compete in business while obtaining quality goods and services in a competitive, efficient, and non-discriminatory manner.

With the submission of a bid, the Proposer has certified that it has not and will not discriminate against a subcontractor in awarding a subcontract because the subcontractor is a minority, women, or service-disabled veteran-owned business.

Lewis County's goal for Good Faith Efforts for M/WBE utilization on this project is 20% (10% MBE, 10% WBE).

1.4 Taxes

No charge will be allowed for federal, state, sales, and excise taxes from which the County is exempt. Exemption Certificates will be provided upon request.

1.5 New York State Prevailing Wage Rates

If any portion of the work being bid is subject to the prevailing wage rate provisions of the NYS Labor Law, the successful bidder is responsible for complying with all current labor rates and regulations throughout the duration of any contract resulting from this bid and will conduct his business in strict compliance with County Law, New York State Labor Laws, Federal OSHA Laws, and all other laws that apply. The current schedule(s) of the prevailing rates and hourly supplements for this project may be accessed at the New York State Department of Labor website at www.labor.state.ny.us.

1.6 Protest and Appeal Procedures

Interested parties aggrieved by a solicitation or the award of any resulting contract, may file written notice of protest with the Lewis County Manager at 7660 North State Street, Lowville, New York 13367. At a minimum, such protests shall include: 1) the name of the protestor; 2) the solicitation project name and description; and 3) a statement of grounds for protest (reference specific text in the Request for Proposal). The decision of the Lewis County Manager is final and is not subject to appeal.

The Lewis County Manager or his designee shall determine the merits of said protest. He or she shall set a time and place for a hearing of the protest and shall advise all competitors that a protest has been filed. The County Manager may receive evidence and legal arguments from any interested party but shall not be bound by the rules of evidence or formal procedure. Unless otherwise directed by the County Manager, issues will be decided based on written evidence and written arguments. All documents received by the County Manager shall be stamped with the date and time received and logged into the protest file folder. The County Manager shall promptly issue his findings and conclusions to the protesting party in writing and shall advise the Lewis County Purchasing Director and all interested parties.

Issues addressing the adequacy of the request for proposals, including without limitation the instructions, general conditions and specifications, and scope of work must be received by the County Manager no later than three (3) business days before the proposal's due date. Thereafter, such issues are deemed waived by all interested parties. Where the County

Manager decides that a protest lacks merit, all interested parties shall be so advised in writing and the evaluation and award process will continue.

Notice of protest against an award must be received by the County Manager within five (5) business days immediately following the award. Where notice of protest against the award is received prior to the entry into the contract for the relevant procurement, and Lewis County has not made a finding that procurement is urgently needed or performance will be unduly delayed or delay will result in undue harm to Lewis County, the execution of the contract will be deferred until the County Manager passes upon the issues presented by the protest.

Where the County Manager decides that the protest lacks merit, the contract may be executed after five (5) business days have elapsed commencing with the first day following the date of the County Manager's decision. The County Manager's decision shall be in written form. Notice of decision shall be served upon all interested parties by certified mail.

2. General Description of Required Performance Outcomes:

2.1 Project Goals

The project includes the removal and disposal of Asbestos Containing Materials (ACM) and all material goods (clothing, furniture, sporting goods, spare building materials, children's toys, tools) at the former Lyons Falls School. A certified asbestos abatement contractor will be required to complete the removal and disposal of asbestos-containing material. An Asbestos, Lead-Based Paint, and PCB Caulking Survey and Gap Asbestos Survey were conducted in June 2019 and February 2024, respectively, and are attached to this document.

2.2 Scope of Work

The request for proposal is regarding the Restore NY project that will support the abatement and cleanup of the vacant building formerly known as the Lyons Falls Elementary School.

This RFP is relative to Phase 1 of this project in which Lewis County is seeking proposals for pre-renovation asbestos and hazardous material abatement. The contractor will perform the work that will result in a Clearance Report allowing renovation work to move forward.

ABATEMENT:

The project will include complete, certified asbestos removal and disposal from the building, which is expected to begin immediately upon the receipt of a fully executed contract unless otherwise noted in the bid submission. Asbestos-containing materials that are disturbed as a part of the rehabilitation will need to be handled and disposed of according to the NYS Department of Labor requirements at 12 NYCRR Part 56. The Asbestos, Lead-Based Paint, and PCB Caulking Survey dated June 10, 2019 is provided in Appendix I of this RFP along with the Gap Asbestos Survey dated February 20, 2024.

Required Forms have been provided at the end of this document. The abatement contractor must provide necessary power, lighting, and water, and the bid shall include transportation fees, DOL notification fees, building-to-occupant notice costs, EPA notices, and apply for and obtain all necessary permits for the project. **Note: LEWIS COUNTY WILL BE RESPONSIBLE FOR ALL DISPOSAL TIPPING FEES AT THE RODMAN LANDFILL SITE MANAGED BY DEVELOPMENT AUTHORITY OF THE NORTH COUNTY (DANC).** Therefore, the Bidder shall

not include disposal fees in their bid. Additionally, the vendor will be responsible for any damage to the site as well as site cleanup.

Below is a detailed list of specifications relative to cleanup and asbestos removal:

- a. Remove all loose asbestos-containing materials as defined by the Asbestos Survey and Gap Asbestos Survey reports, including but not limited to, pipe insulation (see below), loose floor tiles, as well as all ceiling tiles. The contractor shall verify all quantities and locations. ACM floor tile mastics and stair tread mastics shall not be abated where the tiles are still undisturbed.
- b. Room 205 on the east end of the 2nd floor contains ceiling pucks that have been exposed to sunlight, walked on, and subjected to weather rendering them friable. This room shall be abated and cleaned separately first as it is a priority area that requires some structural shoring for the roof contractor due to a roof leak. The roof deck (above) and floor above the auditorium have some local rotting due to a leak, roughly 100 SF. **Bidders shall provide a separate line item for costs to abate and clean room 205 first, if possible.** Refer to Roof Leak Plans included with Appendix I. Contractor understands the work in room 205 in or around the rotted area shall be at their own risk.
- c. Remove and dispose all Thermal System Insulation (TSI). Contractor shall include abatement of additional unidentified TSI buried in walls and chases with local destructive demolition, at the Owner's discretion.
- d. Remove and dispose of the 275-gallon aboveground storage tank (AST) located in the basement.
- e. Remove and dispose of all material goods inside the former school building. Material goods shall include, but are not limited to, clothing, furniture, sporting goods, tools, spare building materials, various plastic bags of unknown articles, beds, and toys. All debris and material goods should be treated as ACM contaminated.
- f. Remove and dispose all exterior and interior ACM window glazing sealants and frame sealants as noted in Appendix I. Window frames shall remain intact and installed on the building per SHPO letter dated July 12, 2024. **Contractor shall notify Owner immediately of any windows that cannot be properly abated if such abatement were to damage the window or framing.**
- g. Remove and dispose of the abandoned vehicle in the parking lot behind the building.
- h. Remove and dispose of all miscellaneous building materials and appliances staged along the rear east wall and beneath the loading dock on the north.
- i. Provide continuous on-site supervision by personnel knowledgeable and trained in all aspects of asbestos removal and disposal as well as construction safety.
- j. Provide and maintain environmental protective measures, equipment, and procedures at the work site.
- k. Provide and maintain personnel protective measures, equipment, and procedures at the work site.
- l. Install and remove all temporary containment facilities.

- m. Provide all required temporary utilities and remove them after work has been satisfactorily completed. This includes temporary power as there is no electrical service available.
- n. Remove, replace, and/or repair all existing properties disrupted and/or damaged in the course of this work by the Contractor.
- o. Clean the work site to completely remove the asbestos and to reduce the airborne concentration.
- p. Package, transport, and dispose of all asbestos following all applicable Federal, State, and Local regulations.
- q. Cooperate with the Owner's designated representatives concerning air monitoring and observation of procedures.
- r. This is a prevailing wage project.

Bids submitted should include limited asbestos abatement of the vacant building. The Contractor will need to coordinate work with all other parties involved and onsite (roof).

Removal or abatement of lead-based paint not included.

Removal of abatement of roofing materials not included.

The bid proposal shall include a timeline to complete the project.

2.3 OPRHP/SHPO Requirements

This project is funded, in part, with Restore NY funds and will therefore need to comply with certain preservation efforts. The following conditions must be incorporated into the building improvement or building construction design:

- a. As noted above, asbestos-containing materials (ACM) that will be disturbed as part of the rehabilitation must be handled and disposed of according to the NYS Department of Labor requirements at 12 NYCRR Part 56.
- b. The existing wood-framed windows shall not be removed since the Property contributes to the Lyons Falls National Register eligible historic district.
- c. The project will have No Adverse Impact on the historic building on the following condition:

ESDC continues to consult with SHPO about how the windows will be treated.

3. SPECIFIC REQUIREMENTS:

3.1 The Contractor agrees to provide services to the County as an independent contractor and not as an employee, as those terms are understood for New York and Federal law purposes. The Contractor agrees to provide for, secure, and/or be solely responsible for any and all required fees, permits, Workers Compensation coverage, Unemployment Insurance, Disability Insurance, Social Security contributions, income tax withholding, and any other insurance or taxes, including but not limited to Federal and New York taxes, for any persons performing services pursuant to a subsequent agreement, including the Contractor, and any employees of the Contractor. The Contractor agrees to indemnify the County and hold the Country harmless from any claims, suits, losses, or damages, including reasonable attorney's fees, resulting from any failure on the part of the Contractor to satisfy its obligations as stated herein.

3.2 The Contractor acknowledges and agrees to purchase, register, and insure any and all necessary equipment and vehicles to provide the scope of services identified. Automobile liability insurance must have a minimum limit for bodily injury and property damage of \$1,000,000 /\$2,000,000.

3.3 The contractor acknowledges and agrees to purchase comprehensive general liability insurance with minimum liability limits of \$1,000,000 / \$2,000,000 for personal injury and property damage, and \$2,000,000 aggregate to protect against claims brought against the County, which may arise from the provision of services under a subsequent agreement. The Contractor agrees to name the County as an additional primary insured.

3.4 The Contractor agrees to indemnify the County and hold the County harmless from any claims (including but not limited to claims under Labor Law Section 240, if applicable), suits, losses, or damages resulting from or relating to any services provided by the Contractor and/or equipment or materials used by the Contractor, or any other person performing services pursuant to a subsequent agreement. The Contractor shall be liable to the County for any loss, damage or destruction of any property, materials, goods, documents, or other items, including reasonable attorney's fees, resulting from or related to the negligence, or other wrongful acts of the Contractor, the Contractor's employees, or any other person performing services pursuant to a subsequent agreement.

3.5 The Contractor may not assign, transfer, sublet, or otherwise dispose of the Agreement without the prior written consent of the County.

3.6 The County reserves the right to require additional contractual provisions it deems appropriate to give effect to this Proposal.

3.7 If awarded, this will be a fixed-price contract, the price you quote in your proposal should include all expenses and be final.

3.8 The contractor and its employees, staff, etc. assume any and all risk of personal injury, including exposure to any hazardous waste and materials, and property damage as a result of site visit and work in and on the site. Bidders shall indemnify and hold the County harmless with respect to any and all hazardous substance exposure and claims for personal injury from same. Any and all persons entering the property and into the building shall be properly protected from any and all hazardous waste, substances, and exposures at their own cost and expense.

4. ELIGIBLE APPLICANTS

4.1 To be deemed an eligible applicant, you must have at least three (3) years in the government marketplace and provide a minimum of three (3) municipal customers as references.

5. PROPOSAL FORMAT

5.1 To be submitted on your own forms, but must include the bid page, the Non-Collusion Form, the Anti-Sexual Harassment Form, the Corporate Attestation Form, and the Iran Divestment Act set forth at the end of this RFP.

6. BASIS OF AWARD:

6.1 All proposals will be evaluated to determine if they meet the requirements of the Request

for Proposal. The County may, as it deems necessary, conduct discussions with the contractor(s) it deems reasonably suspected of being selected for award, for clarification and responsiveness to requirements. The County may assign varying weight to criteria and reserves its right to make an award based upon said criteria, including “best value”, if applicable.

6.2 Information gathered by the County from the RFP, during any interviews, and any other information and factors deemed relevant by the County may be considered in a final award. Some additional information and criteria the County may consider but is not limited to the bidder’s commitment to Lewis County, reputation of the contractor, commitment to quality of services, responsiveness, and the proposed work timeline.

6.3 The County reserves the right to accept or reject any and all Proposals and to select proposals for award other than those with the lowest price(s) in consideration of the best value and best interests of the County.

6.4 The Award may be made to the most responsible bidder whose proposal is determined to be in the best interest of Lewis County and deemed to best serve the County’s needs and requirements, based on the evaluation of all relevant criteria and information provided including an interview with Contractor and the Award Committee.

6.5 A successful bidder is encouraged by the County to use in-county and/or local vendors, supply entities, and labor force, if possible, in providing the services under the contract awarded for this project, but is not required to do so, nor is same a criteria in the award determination.

6.6 The Award Committee will consist of the Finance and Rules Legislative Committee, the County Manager, the Director of Planning and Community Development, and the County Attorney. The County reserves the right to reject any and all bids and to waive any informality in bids received whenever such rejection or waiver is in the interest of the County. Price will not necessarily be the determining factor in the award of the contract. The Award Committee will make its recommendation to the full Board of Legislators for their approval. Contract award will be made by resolution of the Board of Legislators.

6.7 Contractors will be notified in writing of the successful award after formal acceptance by the Lewis County Legislature.

7. CONTRACT PERIOD:

7.1 It is anticipated, after receiving the notice to proceed from the funding agency, that the contract period will begin upon approval from the Lewis County Board of Legislators, on or about the week of **November 4th, 2024**, and that all work will be completed in a consecutive and timely manner. The estimated timeline shall be submitted as part of this RFP. **If procurement allows, Lewis County may opt to proceed with the scope detailed in 2.2.b as soon as October 16th, 2024.**

8. GENERAL INFORMATION:

8.1 Your proposal must include the following to be considered:

1. Name, Address, Contact Person.
2. Telephone Number/Fax Number/E-mail Address.
3. A detailed description of the proposed services to be provided based on the vendor’s

- recommendation to accomplish the scope of work detailed above for this project.
4. Essential information about the company providing the service including the correct and full legal name of the business, tax identification number, a listing of all personnel involved in the proposal, and years of experience working with Restore NY or any other state grants.
 5. Proposed compensation plan or fee structure.
 6. Description of equipment intended to be used for the project.
 7. Project schedule.
 8. Proposed budget.
 9. Proposers W-9 Form.
 10. At least 3 references and their contact information from similar projects.

8.2 PROPOSAL REQUIREMENTS:

- a) Proposals must be accompanied by a signed Proposal Form, Signed Non-Collusion Statement, Signed Anti-Sexual Harassment statement, and signed Attestation of Good Standing if a corporate entity, and signed Iran Divestment Act form.
- b) Provider must submit their written proposal on their own forms.
- c) One original and two (2) copies of the proposal must be provided. A USB drive with a digital form of the proposal should also be provided.
- d) Read all documents contained in the proposal package.
- e) Proposals must be submitted to:

Cassandra Moser, Clerk of the Board
County Courthouse, 2nd Floor, Room 225
7660 North State Street, Lowville, New York 13367

To be considered, the proposal must be received no later than **10:00 AM on October 15th, 2024**. No proposals will be accepted after the designated time. Bid packages will be opened on said date and time in the Courthouse Building, Second Floor Chambers, 7660 North State Street, Lowville, NY 13367.

Providers shall indicate on the outside of their sealed proposal the following information:

- Title of Proposal and Proposal Number, if any
- Date and Time of Proposal Opening
- Company Name / Bidder's Name

Failure to do so may result in the rejection of the proposal as being unresponsive.

No Bidder may withdraw their proposal within ninety (90) days after the actual date of opening thereof.

8.3 LATE PROPOSALS:

Proposals received after the date and time prescribed shall not be considered for contract award and shall be returned, unopened, to the Contractor.

NOTE: Any delay due to traffic, weather, mail, or express delivery is not an exception to the deadline for receipt of proposals. Please plan accordingly.

8.4 NON-COLLUSION STATEMENT; SEXUAL HARASSMENT POLICY STATEMENT:

The Non-Collusion Statement and Sexual Harassment Compliance Statement shall be

returned with your proposal.

8.5 PROPOSAL CONTENT:

All information required by these specifications must accompany the proposal or the provider may be disqualified.

8.6 ADDENDA:

Addenda are written instruments issued by the County prior to the date for receipt of offers that modify or interpret the specification document by addition, deletion, clarification, or correction. The Addenda will be e-mailed to all who are known by the County to have received a complete set of specification documents. The Addenda will also be posted on the Lewis County website, www.lewiscountyny.gov.

Copies of the addenda will also be made available for inspection at the Purchasing Director's Office located in the County Courthouse Building. No addendum will be issued later than forty-eight (48) hours before the date and time for the receipt of offers, except an addendum withdrawing the RFP, or an addendum including postponement.

8.7 PROPOSAL RECEIPT BY A THIRD PARTY:

Any Contractor submitting a proposal based on incomplete or inaccurate information resulting from documentation received from any third party shall not have cause for relief from the award or completion of a contract in accordance with the official documents on file with the County of Lewis. It is STRONGLY suggested that all Contractors interested in participating in this proposal, contact the Lewis County Purchasing Department directly to assure they have received the most accurate and up-to-date material concerning this contract. The County does not offer or supply anyone with the list of people who have obtained a copy of this RFP specification for the project prior to the opening of the RFP. NO EXCEPTIONS ARE MADE TO THIS POLICY.

8.8 FREEDOM OF INFORMATION LAW (FOIL)

All material submitted in response to this Bid becomes the property of the County, with the same being considered public records after the award of the contract, subject to confidentiality and exemptions set forth in the Public Officers Law. Proposals will not be shared with any competing offerors during the selection phase of this procurement, however, after the award of the contract to the successful offeror, proposals and/or lawful parts of proposals received in response to this RFP may be subject to disclosure under the Freedom of Information Act. Information in proposals that is clearly identified as proprietary will not be disclosed at any time. **Blanket statements that all contents of the proposal are confidential and proprietary will not be honored by the County.** The New York State Freedom of Information Law (FOIL), as set forth in Article 6 of the Public Officers Law mandates public access to certain government records. Generally, proposals submitted in response to this Bid may constitute government records subject to FOIL.

Proposals may contain, among other things, certain technical, financial, or other data and information that constitute trade secrets if publicly disclosed. To protect this information from disclosure under FOIL, Proposers should specifically identify the pages of the proposal that contain such information by properly marking the top of the applicable pages with the notation: ***"CONFIDENTIAL"*** and inserting the following statement in the front of its proposal: ***"The information or data on pages of this proposal, identified on the top thereof as "CONFIDENTIAL", contain financial, technical, or other information which constitutes***

government records subject to FOIL. Bidder should explain, among other things, certain technical, financial, or other data and information that constitute trade secrets, if publicly disclosed, that could cause substantial injury to the commercial enterprise's competitive position, and request that the County use such information only for the evaluation of this proposal.

Bidder must understand that the County is required to comply with the provisions of the New York State Freedom of Information Law (FOIL) and that public disclosure of the information contained in this proposal whether or not marked as "CONFIDENTIAL" may be required. Bidder shall not claim any damages as a result of any such disclosure by the County pursuant to FOIL. In the event the County receives a FOIL request for disclosure of information marked as "CONFIDENTIAL", the Proposer/Bidder shall be notified of the request and may expeditiously submit a detailed statement and explanation indicating the reasons it has for believing that the information requested is exempt from disclosure under the law. This detailed statement and explanation shall be used by the County in making its determination as to whether disclosure is required under the law.

9. CONFLICTING TERMS:

9.1 The requirements provided in the "specification" portion of these documents shall govern in any conflict with any other language provided in the general "Terms and Conditions" or any other boilerplate type information. Any conflict between the specification language and any boilerplate language will be resolved in favor of the specification language.

10. EXECUTORY CLAUSE:

10.1 Any contract offered in response to this RFP shall contain the following clause: "This Contract shall be deemed executory only to the extent of funds appropriated by the Lewis County Board of Legislators and available for the purposes of this Agreement; and no liability on account thereof shall be incurred by Lewis County beyond the amount of such funds."

11. JOINT BIDS:

11.1 Joint Bids will not be accepted. For purposes of the specifications, the term joint Bid shall include, but is not limited to, any Bid submitted jointly by two or more Contractors in the name of partnership, joint venture or other legal entity formed for the purpose of submitting such a Bid or to be formed for the purpose of entering into a contract pursuant to such Bid/RFP.

12. PAYMENTS UNDER CONTRACT AWARD:

12.1 Payment for services shall be following receipt of vendor claims and invoices in accordance with Lewis County accounting/payment practices. Any claim against the contractor may be deducted by the County from any money due in the same or other transactions. In any case, where a question of non-performance of a contract arises, payment may be withheld in whole or in part at the discretion of the County as compensation for any loss, damage, or cost incurred by the County as a result of said non-performance.

13. CONFLICTS OF INTEREST:

13.1 In executing and submitting this Bid, the bidder represents and warrants that no person who is an elected official, officer, or employee of Lewis County, nor any person whose salary is payable, in whole or in part, by the County, or any corporation, partnership or association in which such official, officer or employee is directly interested, shall have a direct financial interest, in the contract to be awarded hereunder or in the proceeds thereof, unless such person completes and submits a Disclosure Form, on a form acceptable to the County, disclosing their interest or seeks a formal opinion from the Lewis County Ethics Board as to whether or not a conflict of interest exists. For a breach or violation of such representations or warranties, the County shall have the right to annul this Agreement without liability entitling the County to recover all monies paid hereunder and the Contractor shall not make a claim for, or be entitled to recover, any sum or sums otherwise due under any contract awarded hereunder.

14. IRANIAN ENERGY SECTOR DIVESTMENT:

14.1 Contractor hereby represents that said Contractor complies with New York State General Municipal Law Section 103-g entitled “Iranian Energy Sector Divestment”, in that said Contractor has not: a. Provided goods and services of \$20 Million or more in the energy sector of Iran including but not limited to the provision of oil or liquified natural gas tankers or products used to construct or maintain pipelines used to transport oil or liquified natural gas for the energy sector of Iran; or b. Acted as a financial institution and extended \$20 Million or more in credit to another person for forty-five days or more, if that person’s intent was to use the credit to provide goods or services in the energy sector in Iran. Any Contractor who has undertaken any of the above and is identified on a list created pursuant to Section 165-a (3)(b) of the New York State Finance Law as a person engaging in investment activities in Iran, shall not be deemed a responsible Bidder pursuant to Section 103 of the New York State General Municipal Law. Except as otherwise specifically provided herein, every Contractor submitting a bid in response to this Request for Bids must certify and affirm that it is not on the list created pursuant to NYS Finance Law Section 165-1 (3)(b), as set forth on one of the required forms located at the end of this RFP.

YOU MUST RETURN THIS SHEET WITH YOUR PROPOSAL

BID PROPOSAL PAGE

REQUEST FOR PROPOSAL

No. 2024-115

Former Lyons Falls School Abatement – 6832 McAlpine St, Lyons Falls, NY 13368

Price for all construction tasks:

\$ _____

Please identify proposed project schedule:

Proposed Start Date: _____

Proposed Competition Date: _____

Separated price for 2.2.b scope of services:

\$ _____

Ability to begin 2.2.b scope on October 16th if requested: Yes No

*The County reserves the right to accept or reject any bids.

Company Name _____

Authorized Signature _____

Date _____

YOU MUST RETURN THIS SHEET WITH YOUR PROPOSAL

SIGNATURE PAGE

REQUEST FOR PROPOSAL

No. 2024-115

Former Lyons Falls School Abatement – 6832 McAlpine St, Lyons Falls, NY 13368

TO: Clerk of the Board, County of Lewis

THE UNDERSIGNED PROPOSES TO PROVIDE THE GOODS AND SERVICES required as set forth in the referenced Request for Proposal. If successful, the Bidder hereby agrees to furnish the goods and services in accordance with all terms, conditions and specifications contained within referenced Request for Proposal, at prices submitted in referenced specifications. I certify that I am authorized to sign this proposal, myself or on behalf of the company or firm I represent, and to enter into a binding contract with Lewis County. This signed proposal will become part of a binding contract after award by the Lewis County Legislature to the successful bidder.

NOTE: By signing and submitting the proposal form for consideration by the Lewis County Legislature, the Contractor acknowledges they have read, understood, and agree to all aspects of the specifications as presented without reservation or alteration.

Legal name of person/firm/corporation

Authorized Signature/ Position

Address

Typed Name

City/State/Zip

Title

Date

Telephone No.

Fax No.

E-mail address

YOU MUST RETURN THIS SHEET WITH YOUR PROPOSAL

NON-COLLUSION FORM

REQUEST FOR PROPOSAL

No. 2024-115

Former Lyons Falls School Abatement – 6832 McAlpine St, Lyons Falls, NY 13368

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, as to its own organization, under penalty or perjury, that to the best of his or her knowledge and belief:

1. The prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor.
2. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor; and
3. No attempt has been made or will be made by the bidder to induce any other person, partnership, or corporation to submit or not to submit, a bid for the purpose of restricting competition.
4. No person, broker or selling agent has been employed or retained by the bidder to solicit or secure this award upon an agreement or upon an understanding for a commission, percentage, a brokerage fee, contingent fee or any other compensation. The bidder further represents and warrants that no payment, gift or thing of value has been made, given or promised to obtain this or any other agreement between the parties.

In compliance with this invitation for bids, and subject to the conditions thereof, the undersigned offers and agrees, if this bid is accepted within forty-five (45) days from the date of opening, to furnish any and all of the items upon which prices are submitted.

Legal name of firm/corporation	Authorized Signature	
Address	Typed Name	
City/State/Zip	Title	
Date	Telephone No.	Fax No.

YOU MUST RETURN THIS SHEET WITH YOUR PROPOSAL

AFFIRMATION STATEMENT ON SEXUAL HARASSMENT

REQUEST FOR PROPOSAL

No. 2024-115

Former Lyons Falls School Abatement – 6832 McAlpine St, Lyons Falls, NY 13368

In compliance with State Finance Law § 139-l, the undersigned bidder hereby certifies and affirms under penalty of perjury:

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bide each party thereto certifies as to its own organization, under penalty of perjury, that the bidder has and has implemented a written policy addressing sexual harassment prevention training to all of its employees. Such policy shall, at a minimum, meet the requirements of section two hundred one g of the labor law.

Legal name of firm/corporation	Authorized Signature	
Address	Typed Name	
City/State/Zip	Title	
Date	Telephone No.	Fax No.

Note: Pursuant to State Finance Law §139-l 3, if the Bidder cannot make the foregoing certification and, such bidder shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons, therefore.

YOU MUST RETURN THIS SHEET WITH YOUR BID

CORPORATE APPLICANT/ENTITY ATTESTATION OF GOOD STANDING

REQUEST FOR PROPOSAL

No. 2024-115

Former Lyons Falls School Abatement – 6832 McAlpine St, Lyons Falls, NY 13368

As a duly authorized official of the Applicant Entity identified below, I certify and attest that the following conditions are true and accurate:

The applicant is not currently the subject of an enforcement action related to an investigation by a State or Federal agency.

The applicant corporate entity is in good standing and is in compliance with required corporate filings.

Legal name of firm/corporation

Authorized Signature

Address

Typed Name

City/State/Zip

Title

Date

Telephone No.

Fax No.

YOU MUST RETURN THIS SHEET WITH YOUR BID

CERTIFICATION OF COMPLIANCE WITH THE IRAN DIVESTMENT ACT

REQUEST FOR PROPOSAL

No. 2024-115

Former Lyons Falls School Abatement – 6832 McAlpine St, Lyons Falls, NY 13368

As a result of the Iran Divestment Act of 2012 the Office of General Service must develop a list of persons who are engaged in certain investment activities in Iran. Contracts cannot be awarded to persons or entities on that list, with some exceptions. All bidders are required to execute the following statement:

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each bidder is not on the list created pursuant to Paragraph (b) of Subdivision 3 of Section 165a of the State Finance Law.

Corporate or Company Name

BY: _____
Signature

Title

NOTE: If the bidder cannot make the above certification, it shall so state and furnish with the bid a signed statement which sets forth in detail the reason for that.

RECEIPT OF ADDENDUM ACKNOWLEDGMENT

No. 2024-115

Former Lyons Falls School Abatement – 6832 McAlpine St, Lyons Falls, NY 13368

ADDENDUM ACKNOWLEDGEMENT

ADDENDUM NO. _____

Please acknowledge the receipt of the above ADDENDUM issued by the County of Lewis, by signature and recording the date of receipt below.

Bidder: _____

Authorized Signatory: _____

Date: _____

****NOTE: This form must be included in your bid documents if any Addendum(s) is/are issued.**

NON-BIDDER'S RESPONSE

To maintain accurate Bidder Lists and facilitate your firm's response to our invitation for bid, the County of Lewis is interested in ascertaining reasons for prospective Bidder's failure to respond to the invitation for proposals. If your firm is not responding to this bid, please indicate the reason(s) by checking any appropriate item(s) below and returning this form to the Lewis County Purchasing Director, 7660 North State Street, Lowville, New York 13367. This form may be returned by mail or fax. Faxes may be sent to 315-376-4917. Failure to submit either a bid proposal or return this form will result in the removal of your firm's name from our Bidder's lists. Thank you for your cooperation.

We are not submitting a proposal for the following reason(s)

Items or materials requested are not manufactured by us or not available to our company.

Our items or materials do not meet specifications.

Specifications not clearly understood or applicable (too vague, too rigid, etc.)

Quantities too small.

Insufficient time allowed for the preparation of the bid.

Incorrect address used. Correct mailing address is:

Our branch/division handles this type of bid.

Correct name and mailing address is:

We are unable to bid but would like to continue to receive invitations for bids.

We are unable to bid and wish to be removed from the Bidder's list.

Name Of Firm: _____

Mailing Address: _____

City/State/Zip Code _____

BY: _____

Signature of Representative

DATE: _____

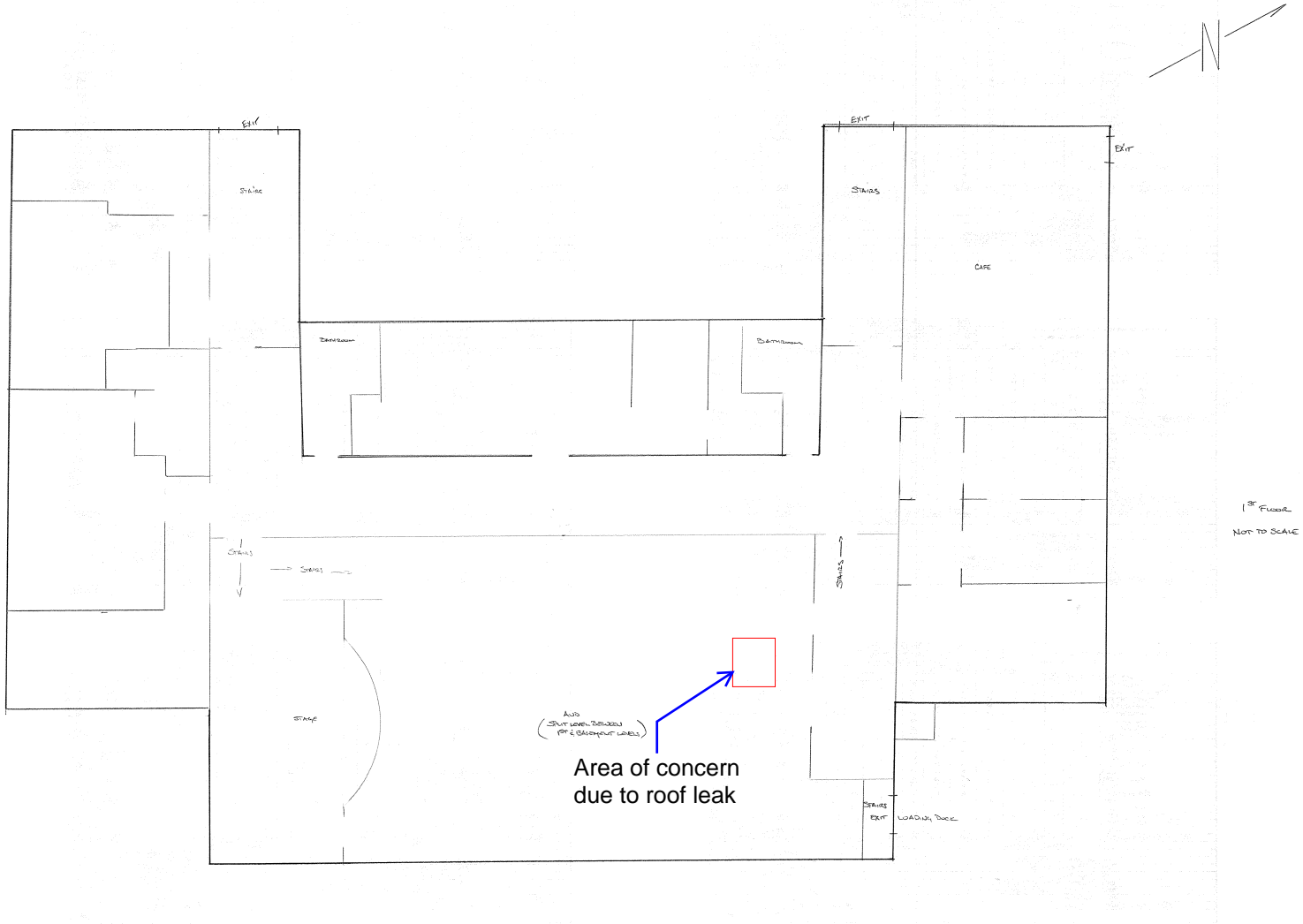
Document Number: _____

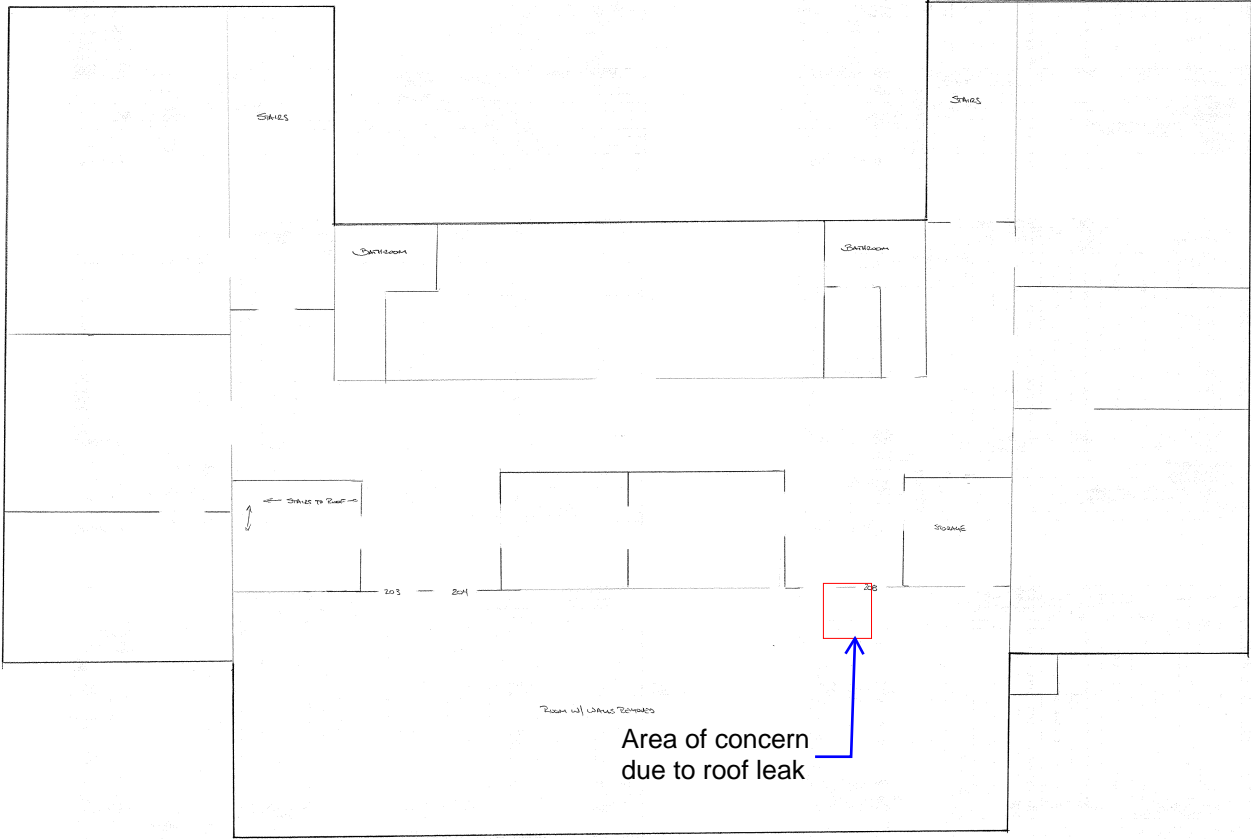
Appendix I

Technical Reports



FOR THE SCHOOL
MEANS BY
BASIS
NOT TO SCALE





2nd Floor
Not to Scale

Area of concern
due to roof leak



Gap Asbestos Survey Report

Project Location: Lyons Fall Elementary
6832 McAlpine St
Lyons Falls NY, 13662

Prepared for: Ms. Casandra Buell
Director of Planning and Community
Development
7660 North State Street
Lowville, NY 13367

Prepared by: Green 2 Green Consulting LLC
45477 State Route 12
Alexandria Bay, NY 13607
Office 315.277.7167
www.green2greenconsulting.com

Thomas Mackowiak
Vice President
tmackowiak@green2greenconsulting.com
Cell 315.546.3797

Project Number: G2G Project Number: 2024-004G

Report Date: February 20, 2024





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1.0 Scope of Work..... 1
2.0 Executive Summary..... 2

- Attachment A – Laboratory Analysis Reports (Old and New)*
- Attachment B – Notes & Sample Location Drawings*
- Attachment C – Building Inspector & Laboratory Certifications*
- Attachment D – Original Survey Report*





1.0 *Scope of Work*

Green 2 Green Consulting LLC (G2G) was retained to perform a limited/gap asbestos survey at the now unoccupied Lyons Falls Elementary. The intent of the survey was to sample any materials that may have been missed or under sampled by the previous survey. The previous survey can be found in Attachment D. The sampling was conducted in accordance with the New York State Department of Labor (NYSDOL) Code Rule 56 regulations. Suspect materials were sampled and sent in for laboratory analysis. Only materials listed in Attachment B were sampled. Per NYSDOL ICR 56, Asbestos Containing Materials (ACM) contain greater than 1% asbestos by weight.

2.0 *Executive Summary*

G2G's NYS Certified Asbestos Building Inspector David Talbot, Cert # 15-12272, visited the site on January 25, 2024, to conduct the Gap asbestos survey.

After reviewing the previously completed survey, homogeneous materials were grouped together, and 7 additional building materials were sampled and sent to Atlas ENV for laboratory analysis. Based on laboratory analysis of the samples collected, **two (2)** of the materials tested positive for trace asbestos (less than 1% asbestos). Trace asbestos is not considered ACM by NYS ICR 56. Materials with Trace asbestos do not need to be abated per NYS ICR 56. All OSHA regulations must be followed during removal.

Additional Materials Sampled:

1. It was determined that the plaster, skim coat, and joint compound were under sampled. Additional samples were taken according to ICR 56 and they were confirmed to be negative.
2. A black flooring found in the hallways and stairwells was not previously sampled. Lab analysis found the black flooring and associated substrate to be negative.
3. Black vapor barriers under all the hard wood floors was not previously sampled. Lab analysis found trace amounts of asbestos (less than 1% asbestos by weight). Materials with Trace asbestos (<1.0%) are not considered ACM by NYS ICR 56 and therefore do not need to be abated. All OSHA regulations must be followed during removal.





ACM Descriptions:

The following is a description of all known ACM in the building. Drawings detailing all ACM can be found in attachment B. Quantities subject to change due to the large quantity of garbage and debris throughout the building. All quantities of ACM are estimated and must be verified by the abatement contractor. If any additional materials are discovered that are not listed in attachment A, they must be assumed ACM until tested by a certified building inspector.

Basement:

1. All the rooms in the basement have visible ACM TSI that has been improperly/partially removed from the pipes. ACM Debris is found throughout the basement except for the main hallway. This is considered an incidental disturbance, and the entire area should be abated as an asbestos work area.
2. Brown Linoleum Floor Tile and Beige Mastic (Sample LF-048AB & LFM 049AB on original Report) was sampled on the original survey and found to be asbestos containing. Approximately 800 square feet
3. There is a box of unopened asbestos containing tile located next to the furnace in the basement. Shown on new drawing. Must be disposed of as ACM.

First Floor:

4. The first floor has ACM ceiling tile mastic pucks throughout that have been partially removed. All mastic pucks in the building are considered ACM. Mastic pucks are found remaining on the ceilings, on the floors, and throughout the trash and construction debris. This is considered an incidental disturbance, and the entire area should be abated as an asbestos work area.
5. The yellow mastic on the auditorium stair treads (Sample STG-039AB on original Report) was sampled on the original survey and found to be asbestos containing. Approximately 500 square feet in the auditorium stairs.
6. TSI was observed on pipes coming out of the walls in 2 locations. See drawing for locations that were observed.

Second Floor:

7. The Second floor has ACM ceiling tile mastic pucks throughout that have been partially removed. All mastic pucks in the building are considered ACM. Mastic pucks are found remaining on the ceilings,





on the floors, and throughout the trash and construction debris. This is considered an incidental disturbance, and the entire area should be abated as an asbestos work area.

Room designated as 205 in the attached drawing has ceiling tile adhesive that has been exposed to weather and sunlight due to its large windows and failing roof. The adhesive in this room is in a friable state and must be removed and handled as friable.

8. The black flooring on the 2nd floor landings (Sample SLF-025AB on original Report) was sampled on the original survey and found to be asbestos containing. Approximately 215 square feet spread between both stair landings on the 2nd floor.
9. The beige floor tile and yellow mastic in the boys bathroom (Sample FT-015AB & FTM -016AB on original Report) was sampled on the original survey and found to be asbestos containing. Approximately 350 square feet.
10. The gray floor tile in the hallway (Sample FT-018AB on original Report) was sampled on the original survey and found to be asbestos containing. Approximately 400 square feet.

Roof & Exterior:

11. The Roof Vent Sealant (sample RVS0-52AB on original report) was found to be asbestos containing. Approximately 50 square feet.
12. The roof fire paper (sample FP-053AB on original report) was found to be asbestos containing. Approximately 8000 square feet.
13. The roof fire sealant (sample FS-054AB on original report) was found to be asbestos containing. Approximately 5000 square feet.
14. The Chimney repair tar (sample CRT-055AB on original report) was found to be asbestos containing. Approximately 50 square feet.
15. The coping stone repair tar (sample CSS-056AB on original report) was found to be asbestos containing. Approximately 50 square feet.
16. The Wood Frame Window Caulk (sample WFC-060AB on original report) was found to be asbestos containing. Approximately 250 linear feet.





17. The Wood Frame White Window Caulk (sample WFC-061AB on original report) was found to be asbestos containing. Approximately 250 linear feet.
18. The Wood Frame White Window Caulk (sample WFC-064AB on original report) was found to be asbestos containing. Approximately 300 linear feet.
19. The Front window frame White Window Caulk (sample WFC-065AB on original report) was found to be asbestos containing. Approximately 250 linear feet.
20. The front window glazing (sample WFC-067AB on original report) was found to be asbestos containing. Approximately 450 linear feet.
21. There is a can of ACM roofing tar on the roof. This must be disposed of as ACM.

A full list of materials that were sampled can be found in Attachment A. If other building materials are identified and shall be disturbed, the materials shall be Presumed Asbestos Containing Materials (PACM) until examination by an appropriately trained & certified individual and laboratory analysis prove otherwise.





Green 2 Green Consulting LLC

45477 State Route 12, Suite 1
Alexandria Bay, NY 13607
315.277.7167

Attachment A

Laboratory Analysis Reports (Old and New)



www.green2greenconsulting.com

New York State Certified
Service-Disabled Veteran-Owned Business



Atlas Environmental Lab, Corp.
 255 West 36th Street, Suite# 1503
 New York, NY 10018
 Phone:(212) 563-0400 Fax:(212) 563-0401
 www.atlasenvironmentallab.com

Bulk Asbestos Report by PLM-TEM

Client: Integrated Diagnostic Analytics, Inc
Collected by: Client
Project Name/No.: Lyons Falls Elementary School GAP Analysis / 2024-004G
Project Address: 6832 Mcalpine St, Lyons Falls NY
Work Area:

Lab ID: BK0224097
Date Received: 2/7/2024
PLM Date Analyzed: 2/11/2024
TEM Date Analyzed: 2/12/2024
Report Date: 2/12/2024

Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG%	All%	ASI%	PLM			TEM	Method By ELAP		
							Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
1A	BK0224097-1	2ndFloor Walls / White Joint Compound	White, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
1B	BK0224097-2	2ndFloor Walls / White Joint Compound	White, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
1C	BK0224097-3	2ndFloor Walls / White Joint Compound	White, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
2A	BK0224097-4	Throughout / White Skim Coat	White, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
2B	BK0224097-5	Throughout / White Skim Coat	White, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
2C	BK0224097-6	Throughout / White Skim Coat	White, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
2D	BK0224097-7	Throughout / White Skim Coat	White, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
2E	BK0224097-8	Throughout / White Skim Coat	White, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
2F	BK0224097-9	Throughout / White Skim Coat	White, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
2G	BK0224097-10	Throughout / White Skim Coat	White, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		



Bulk Asbestos Report by PLM-TEM

Client: Integrated Diagnostic Analytics, Inc
Collected by: Client
Project Name/No.: Lyons Falls Elementary School GAP Analysis / 2024-004G
Project Address: 6832 Mcalpine St, Lyons Falls NY
Work Area:

Lab ID: BK0224097
Date Received: 2/7/2024
PLM Date Analyzed: 2/11/2024
TEM Date Analyzed: 2/12/2024
Report Date: 2/12/2024

Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG%	All%	ASI%	PLM			TEM	Method By ELAP		
							Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
3A	BK0224097-11	Throughout / Grey Plaster	Grey, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
3B	BK0224097-12	Throughout / Grey Plaster	Grey, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
3C	BK0224097-13	Throughout / Grey Plaster	Grey, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
3D	BK0224097-14	Throughout / Grey Plaster	Grey, Homogeneous, Friable	Not Applicable			5%WOOD	95%	NAD		X		
3E	BK0224097-15	Throughout / Grey Plaster	Grey, Homogeneous, Friable	Not Applicable			5%WOOD	95%	NAD		X		
3F	BK0224097-16	Throughout / Grey Plaster	Grey, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
3G	BK0224097-17	Throughout / Grey Plaster	Grey, Homogeneous, Friable	Not Applicable			5%WOOD	95%	NAD		X		
4A	BK0224097-18	Stairs and Hallway / Black Flooring	Black, Homogeneous, Non-Fibrous	13.4	63.9	22.8	0%	100%	NAD Inconclusive	NAD		X	X
4B	BK0224097-19	Stairs and Hallway / Black Flooring	Black, Homogeneous, Non-Fibrous	16.2	66.5	17.3	0%	100%	NAD Inconclusive	NAD		X	X
5A	BK0224097-20	Rm 205 Floor / Vapor Barrier	Black, Homogeneous, Non-Fibrous	71.7	17.1	11.2	0%	~99%	Trace (<1%)CHRY Inconclusive	Trace CHRY		X	X



Bulk Asbestos Report by PLM-TEM

Client: Integrated Diagnostic Analytics, Inc
Collected by: Client
Project Name/No.: Lyons Falls Elementary School GAP Analysis / 2024-004G
Project Address: 6832 Mcalpine St, Lyons Falls NY
Work Area:

Lab ID: BK0224097
Date Received: 2/7/2024
PLM Date Analyzed: 2/11/2024
TEM Date Analyzed: 2/12/2024
Report Date: 2/12/2024

Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG%	All%	ASI%	PLM			TEM	Method By ELAP		
							Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
5B	BK0224097-21	Rm 205 Floor / Vapor Barrier	Black, Homogeneous, Non-Fibrous	80.9	14.7	4.4	0%	-99%	Trace (<1%)CHRY Inconclusive	Trace CHRY		X	X
6A	BK0224097-22	Stairs and Hallway / Tan Paper	Tan, Homogeneous, Friable	Not Applicable			100%CELL	0%	NAD		X		
6B	BK0224097-23	Stairs and Hallway / Tan Paper	Tan, Homogeneous, Friable	Not Applicable			100%CELL	0%	NAD		X		
7A	BK0224097-24	Under All Hardwood Floor Except Rm 205 / Black Vapor Barrier	Black, Homogeneous, Non-Fibrous	42.9	11.5	45.6	0%	-99%	Trace (<1%)CHRY Inconclusive	NAD		X	X
7B	BK0224097-25	Under All Hardwood Floor Except Rm 205 / Black Vapor Barrier	Black, Homogeneous, Non-Fibrous	88.6	6.6	4.8	0%	100%	NAD Inconclusive	NAD		X	X

AH

Quantitative Analysis (Semi/Full):Bulk Asbestos Analysis-PLM by EPA 600/M4-82-020 per 40 CFR or ELAP198.1 (friable) and 198.6 (NOB) samples for New York.

NAD=no asbestos detected, NA/PS=Not Analyzed/Positive Stop, Trace=<1%,FBGL=Fiberglass, CELL=Cellulose,CHRY=Chrysotile,Amo=Amosite,CRO=Crocidolite,ANTH=Anthophyllite, TRE=Tremolite, ACT=Actinolite, NA=not applicable.

PLM is not consistently reliable in detecting Asbestos in floor coverings and similar non friable organically bound materials. NAD or Trace results by PLM are inconclusive.

TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos containing in NY State.

All samples were prepared and analyzed in accordance with the EPA "TEM Method for Identifying and Quantifying Asbestos in Non-Fibrous Organically Bound Bulk Samples" ELAP 198.4".

ORG%=Ashed Organic%, All= Acid Insoluble Inorganic%, ASI= Acid Soluble Inorganic%

This "Summary of Analytical Results "shall not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, ELAP or any agency of the U.S Government. The results relate only to the items tested. This report may not be reproduced, except in full, without the written approval of AEL .Atlas Environmental lab did not collect the analyzed samples and thus accepts no liability with regard to their collection and/or maintenance . AEL relies on client's data. The liability of Atlas Environmental Lab corp with respect to the services charged, shall in no event exceed the amount of the invoice.

NYS-ELAP#11999, NVLAP Lab Code: 500092-0, NJ ID: NY034 "ELCP on NJ won't apply to TEM", CT Reg. ID: PH-0154

PLM Analyst: MN TEM Analyst: VR Approved by:



BK0224097

Atlas Environmental Lab, Corp
255 West 36th Street, Suite# 1503
New York, NY 10018
Phone:(212) 563-0400 Fax:(212) 563-0401

BULK Material for Asbestos, Chain of Custody

Client Integrated Diagnostic Analytics, Inc
Address 550 Charles Ave., Solvay, NY 13209

Contact Name Robert Boulware
Phone Number 315-488-4619
Email rob@idacny.com, labs2.0@green2greenconsulting.com

Analysis Requested: PLM, PLM-NOB, TEM-NOB, Stop on 1st positive per homogeneous material, _____ SOF/SM-V (198.8) _____

Turn Around Time: Same Day 24 Hrs. 48 Hrs. 72 Hrs.

If Vermiculite present, proceed to Method 198.8: TAT: _____

Project Name: _____ LYONS FALLS ELEMENTARY SCHOOL GAP ANALYSIS
Project Number: _____ 2024-004G
Project Address: _____ 6832 MCALPINE ST, LYONS FALLS NY
Sampled by: _____ DAVID TALBOT
Date Sampled: _____ 1/29/24

11, 12, 13
14, 15, 16
17

Field ID	AEL Lab ID	Location/Description	Friable/ Non Friable	Homogenous Area	Accept Sample Yes/No
1 A,B,C	1, 2, 3	2ND FLOOR WALLS/WHITE JOINT COMPOUND	F	2,000 FT ²	
2 A,B,C,D,E,F,G	4, 5, 6, 7 8, 9, 10	THROUGHOUT/ WHITE SKIMCOAT	F	16,000FT ²	
3 A,B,C,D,E,F,G	11, 12, 13 14, 15, 16, 17	THROUGHOUT/GREY PLASTER	F	16,000FT ²	
4 A,B	18, 19	STAIRS AND HALLWAYS/ BLACK FLOORING	N	6,000FT ²	
5 A,B	20, 21	RM 205 FLOOR/ VAPOR BARRIER	N	1,800FT ²	
6 A,B	22, 23	STAIRS AND HALLWAYS/TAN PAPER	F	6,000FT ²	
7 A,B	24, 25	UNDER ALL HARDWOOD FLOOR EXCEPT RM 205/BLACK VAPOR BARRIER	N	6,000FT ²	

Sampled By: DAVID TALBOT	Signature: <i>David Talbot</i>	Date: 1/30/24	Time:
Relinquished By: DAVID TALBOT	Signature: <i>David Talbot</i>	Date: [REDACTED]	Time:
Received By: <i>Carla Ortega</i>	Signature: <i>Carla Ortega</i>	Date: 1/31/24	Time:
Analyst: <i>MN</i>	Signature: <i>[Signature]</i>	Date: 2/7/24	Time: 3:30pm
		Date: 02/11/2024	Time: 15:10

TEM 021224
[Signature]
PML Rev 1 Jan 2018



PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19
Page: 1 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
CT-001A	36853	12"x12" White Glued Ceiling Tile	White Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	N/A	Mineral Wool 2%	98%
CT-001B	36854	12"x12" White Glued Ceiling Tile	White Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	N/A	Mineral Wool 1%	99%
CT-001C	36855	12"x12" White Glued Ceiling Tile	White Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	N/A	Mineral Wool 2%	98%
RLFM-002A	36856	Rolled Linoleum Floor Mastic	Black Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	N/A	None Detected	100%
RLFM-002B	36857	Rolled Linoleum Floor Mastic	Black Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	N/A	None Detected	100%
PCTM-003A	36858	Puck Ceiling Tile Mastic Off of CT-001	Black Mastic	Chrysotile 1.2%	1.2%	✓	Not Required	N/A	None Detected	98.8%
PCTM-003B	36859	Puck Ceiling Tile Mastic Off of CT-001	Black Mastic	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
TCTG-004A	36860	Tan Ceiling Tile Glue About CT-001	Tan Glue	Inconclusive No Asbestos Detected	0%	✓	None Detected	N/A	None Detected	100%
TCTG-004B	36861	Tan Ceiling Tile Glue About CT-001	Tan Glue	Inconclusive No Asbestos Detected	0%	✓	None Detected	N/A	None Detected	100%
WPSC-005A	36862	Gray Wall Plaster Skim Coat	Gray Plaster	None Detected	0%		Not Required	N/A	None Detected	100%

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).
 ✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
 √ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.
 # denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
 X denotes sample prepped only by ELAP Method 198.6.
 ** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #221797

Analyst: T. Ma

TEM Date Analyzed: 5/23/2019

TEM Analyst: A. Voldbakken

ELAP ID No.: 10958

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.



PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: **Bergmann Associates**
Location: **Lyons Falls, New York**

Job No: 4374-19
Page: 2 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
WPSC-005B	36863	Gray Wall Plaster Skim Coat	Gray Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
BWPBC-007A	36864	Wall Plaster Base Coat	Gray Plaster	None Detected	0%		Not Required	N/A	Cellulose 1%	99%
BWPBC-007B	36865	Wall Plaster Base Coat	Gray Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
EGWC-007A	36866	Exterior Gray Window Caulk	Gray Caulk	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
EGWC-007B	36867	Exterior Gray Window Caulk	Gray Caulk	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
ETC-008A	36868	Electrical Tape Cover	Blue Tape	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
ETC-008B	36869	Electrical Tape Cover	Blue Tape	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
BWJ-009A	36870	Wire Jacket	Black Wire Jacket	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Mineral Wool 2%	98%
BWJ-009B	36871	Wire Jacket	Black Wire Jacket	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
WWJ-010A	36872	Wire Jacket	White Wire Jacket	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Mineral Wool 1%	100%

KEY TO NOB COLUMN SYMBOLS

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 ✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
 √ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.
 # denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
 X denotes sample prepped only by ELAP Method 198.6.
 ** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.
 Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") per EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #221797

Analyst: T. Ma

TEM Date Analyzed: 5/23/2019

TEM Analyst: A. Voldbakken

ELAP ID No.: 10958

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19
Page: 3 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
WWJ-010B	36873	Wire Jacket	White Wire Jacket	<1.0% Residue Remaining. PLM and TEM Not Required.	N/A	X	N/A	N/A	N/A	N/A

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PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis
PLM Date Analyzed: 5/23/2019
Microscope: Olympus BH-2 #221797
Analyst: T. Ma

TEM Date Analyzed: N/A
TEM Analyst: N/A

ELAP ID No.: 10958

Laboratory Results Approved By: _____
Asbestos Operations Manager or Designee Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 4 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
DW-011A	36874	Playroom Drywall	White Drywall	None Detected	0%		Not Required	N/A	Cellulose 1%	99%
DW-011B	36875	Playroom Drywall	White Drywall	None Detected	0%		Not Required	N/A	Cellulose 1%	99%
CM-012A	36876	Tan Carpet Mastic	Tan Carpet Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
CM-012B	36877	Tan Carpet Mastic	Tan Carpet Mastic	Inconclusive No Asbestos Detected	0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
CT-013A	36878	Playroom Ceiling Tile	White 2'x2' Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
CT-013B	36879	Playroom Ceiling Tile	White 2'x2' Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
CT-013C	36880	Playroom Ceiling Tile	White 2'x2' Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
DW-014A	36881	Drywall in Boys Bathroom	White Drywall	None Detected	0%		Not Required	N/A	Cellulose 1% Fiberglass 1%	98%
DW-014B	36882	Drywall in Boys Bathroom	White Drywall	None Detected	0%		Not Required	N/A	Cellulose 1% Fiberglass 1%	98%
FT-015A	36883	Boys Bathroom Floor Tile	Beige Floor Tile	Chrysotile 1.3%	1.3%	✓	Not Required	N/A	None Detected	98.7%

KEY TO NOB COLUMN SYMBOLS

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PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #221797

Analyst: T. Ma

TEM Date Analyzed: 5/23/2019

TEM Analyst: A. Voldbakken

ELAP ID No.: 10958

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 5 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
FT-015B	36884	Boys Bathroom Floor Tile	Beige Floor Tile	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
FTM-016A	36885	Floor Tile-015 Mastic	Yellow Fibrous Floor Tile Mastic	Chrysotile 11%	11%	√	Not Required	N/A	None Detected	89%
FTM-016B	36886	Floor Tile-015 Mastic	Yellow Floor Tile Mastic	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
CT-017A	36887	Second Floor Hallway Ceiling Tile	White 2'x4' Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
CT-017B	36888a	Second Floor Hallway Ceiling Tile	White 2'x4' Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
CT-017C	36888b	Second Floor Hallway Ceiling Tile	White 2'x4' Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
FT-018A	36889	Floor Tile	Gray Floor Tile	Chrysotile 2.4%	2.4%	√	Not Required	N/A	None Detected	97.6%
FT-018B	36890	Floor Tile	Gray Floor Tile	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
FTM-019A	36891	Floor Tile-018 Mastic	Gray Floor Tile Mastic	Inconclusive Trace Chrysotile Detected	<1.0%	√	None Detected	<1.0%	None Detected	100%
FTM-019B	36892	Floor Tile-018 Mastic	Gray Floor Tile Mastic	Inconclusive Trace Chrysotile Detected	<1.0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%

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 ** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.
 Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



ELAP ID No.: 10958

Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

TEM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #221797

TEM Analyst: A. Voldbakken

Analyst: T. Ma

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 6 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
BC-020A	36893	Base Coat 2nd Floor Stairway	White Plaster	None Detected	0%		Not Required	N/A	Cellulose 5%	95%
BC-020B	36894	Base Coat 2nd Floor Stairway	White Plaster	None Detected	0%		Not Required	N/A	Cellulose 2%	98%

KEY TO NOB COLUMN SYMBOLS
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PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ["Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples."] or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).

NVLAP
TESTING
Lab Code 200530-0 for PLM Analysis
PLM Date Analyzed: 5/23/2019
Microscope: Olympus BH-2 #221797
Analyst: T. Ma

TEM Date Analyzed: N/A
TEM Analyst: N/A

ELAP ID No.: 10958

Laboratory Results Approved By: Mary Dohr
Asbestos Operations Manager or Designee

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 7 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
SC-021A	36895	Skim Coat 2nd Floor Stairway	White Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
SC-021B	36896	Skim Coat 2nd Floor Stairway	White Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
JC-023A	36897	Joint Compound	White Joint Compound	None Detected	0%		Not Required	N/A	None Detected	100%
JC-023B	36898	Joint Compound	White Joint Compound	None Detected	0%		Not Required	N/A	None Detected	100%
JC-023C	36899	Joint Compound	White Joint Compound	None Detected	0%		Not Required	N/A	None Detected	100%
JC-023D	36900	Joint Compound	White Joint Compound	None Detected	0%		Not Required	N/A	None Detected	100%
STP-024A	36901	2nd Floor Textured Paint	White Paint	None Detected	0%		Not Required	N/A	None Detected	100%
STP-024B	36902	2nd Floor Textured Paint	White Paint	None Detected	0%		Not Required	N/A	None Detected	100%
SLF-025A	36903	2nd Floor Landing	Black Flooring	Chrysotile 7.1%	7.1%	✓	Not Required	N/A	None Detected	92.9%
SLF-025B	36904	2nd Floor Landing	Black Flooring	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A

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Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/22/2019

Microscope: Olympus BH-2 #221797

Analyst: T. Ma

TEM Date Analyzed: N/A

TEM Analyst: N/A

ELAP ID No.: 10958

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: **Bergmann Associates**
Location: **Lyons Falls, New York**

Job No: 4374-19B
Page: 8 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
KFT-026A	36905	Kitchen Floor Tile	White Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
KFT-026B	36906	Kitchen Floor Tile	White Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
KFTM-027A	36907	Kitchen Floor Tile-026 Mastic	Beige Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
KFTM-027B	36908	Kitchen Floor Tile-026 Mastic	Beige Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
CW-028A	36909	Café Wallpaper	Blue Wallpaper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
CW-028B	36910	Café Wallpaper	Blue Wallpaper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
MBW-029A	36911	Master Bedroom Wallpaper	Pink Wallpaper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
MBW-029B	36912	Master Bedroom Wallpaper	Pink Wallpaper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
HWP-030A	36913	Hallway Wallpaper	Green Wallpaper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
HWP-030B	36914	Hallway Wallpaper	Green Wallpaper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%

KEY TO NOB COLUMN SYMBOLS

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Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/22/2019

TEM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #221797

TEM Analyst: A. Voldbakken

Analyst: T. Ma

ELAP ID No.: 10958

Laboratory Results Approved By: _____
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 9 of 26

Sample Date: 5/14-15/2019

Table with 11 columns: Client ID, Lab ID, Sampling Location, Description, PLM Asbestos Fibers Type & Percentage, PLM Total Asbestos, NOB, TEM Asbestos Fibers Type & Percentage, TEM Total Asbestos, PLM Non-Asbestos Fibers Type & Percentage, Non-Fibrous Matrix Material %. Rows include FT-031A and FT-031B with details on floor tile analysis.

KEY TO NOB COLUMN SYMBOLS
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V NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).

NVLAP TESTING
Lab Code 200530-0 for PLM Analysis
PLM Date Analyzed: 5/22/2019
Microscope: Olympus BH-2 #221797
Analyst: T. Ma

TEM Date Analyzed: 5/23/2019
TEM Analyst: A. Voldbakken

ELAP ID No.: 10958

Laboratory Results Approved By: Mary Dohr
Asbestos Operations Manager or Designee

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 10 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
FTM-032A	36917	Floor Tile-031 Mastic	Beige Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
FTM-032B	36918	Floor Tile-031 Mastic	Beige Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
FT-033A	36919	Bathroom Off of Room 105 Floor Tile	Beige Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Mineral Wool 5%	95%
FT-033B	36920	Bathroom Off of Room 105 Floor Tile	Beige Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Mineral Wool 5%	95%
BWP-034A	36921	Bathroom Wallpaper	Blue Wallpaper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
BWP-034B	36922	Bathroom Wallpaper	Blue Wallpaper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
FLM-035A	36923	Floor Board Mastic	Tan Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Mineral Wool 5%	95%
FLM-035B	36924	Floor Board Mastic	Tan Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Mineral Wool 5%	95%
FLB-036A	36925	Woodshop Lino Floor	Tan Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Mineral Wool 2%	98%
FLB-036B	36926	Woodshop Lino Floor	Tan Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Mineral Wool 2%	98%

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

✓ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

⊕ denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples;" for EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #221797

Analyst: T. Ma

TEM Date Analyzed: 5/23/2019

TEM Analyst: A. Voldbakken

ELAP ID No.: 10958

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 11 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
CT-037A	36927	Ceiling Tile	White 12"x12" Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
CT-037B	36928	Ceiling Tile	White 12"x12" Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
CT-037C	36929	Ceiling Tile	White 12"x12" Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
CTP-038A	36930	Ceiling Tile-037 Mastic Pucks	Brown Ceiling Tile Mastic	Inconclusive No Asbestos Detected	0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
CTP-038B	36931	Ceiling Tile-037 Mastic Pucks	Brown Ceiling Tile Mastic	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
STG-039A	36932	Auditorium Stair Tread Mastic	Yellow Fibrous Mastic	Chrysotile 17%	17%	✓	Not Required	N/A	None Detected	83%
STG-039B	36933	Auditorium Stair Tread Mastic	Yellow Mastic	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
VBP-040A	36934	Vapor Barrier Paper	Black Vapor Barrier	<1.0% Residue Remaining, PLM and TEM Not Required.	N/A	X	N/A	N/A	N/A	N/A
VBP-040B	36935	Vapor Barrier Paper	Black Vapor Barrier	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
WP-041A	36936	Wall Patch	White Joint Compound	None Detected	0%		Not Required	N/A	None Detected	100%

KEY TO NOB COLUMN SYMBOLS

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 V NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
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 # denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
 X denotes sample prepped only by ELAP Method 198.6.
 ** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-B2-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #221797

Analyst: T. Ma

TEM Date Analyzed: 5/23/2019

TEM Analyst: A. Voldbakken

ELAP ID No.: 10958

Laboratory Results Approved By: _____
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 12 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
WP-041B	36937	Wall Patch	White Joint Compound	None Detected	0%		None Detected	N/A	None Detected	100%

KEY TO NOB COLUMN SYMBOLS
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 # denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
 X denotes sample prepped only by ELAP Method 198.6.
 ** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.
 Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis
PLM Date Analyzed: 5/23/2019
Microscope: Olympus BH-2 #221797
Analyst: T. Ma

TEM Date Analyzed: N/A
TEM Analyst: N/A

ELAP ID No.: 10958

Laboratory Results Approved By: Mary Dohr
Asbestos Operations Manager or Designee

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: **Bergmann Associates**
Location: **Lyons Falls, New York**

Job No: 4374-19B
Page: 13 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
CP-042A	36938	Ceiling Plaster	Dark Gray Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CP-042B	36939	Ceiling Plaster	Dark Gray Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WP-043A	36940	Wall Plaster	Gray Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WP-043B	36941	Wall Plaster	Gray Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WP-043C	36942	Wall Plaster	Gray Plaster	No Sample Present	N/A		N/A	N/A	N/A	N/A
WPSC-044A	36943	Wall Plaster-043 Skim Coat	Gray Wallpaper	None Detected	0%		Not Required	N/A	None Detected	100%
WPSC-044B	36944	Wall Plaster-043 Skim Coat	Gray Wallpaper	None Detected	0%		Not Required	N/A	None Detected	100%
CCP-045A	36945	Custodian Closet Ceiling Plaster	Gray Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CCP-045B	36946	Custodian Closet Ceiling Plaster	Gray Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
DW-046A	36947	Basement Drywall	White Drywall	None Detected	0%		Not Required	N/A	Cellulose 5%	95%

KEY TO NOB COLUMN SYMBOLS

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 # denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
 X denotes sample prepped only by ELAP Method 198.6.
 ** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.
 Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") per EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #232953

Analyst: T. Bush

TEM Date Analyzed: N/A

TEM Analyst: N/A

ELAP ID No.: 10958

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 14 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
DW-046B	36948	Basement Drywall	White Drywall	None Detected	0%		Not Required	N/A	Cellulose 5%	95%
CM-047A	36949	Carpet Mastic Main Basement Hallway	Brown Carpet Mastic	Inconclusive No Asbestos Detected	0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
CM-047B	36950	Carpet Mastic Main Basement Hallway	Brown Carpet Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
LF-048A	36951	Basement Linoleum Floor Tile	Brown Fibrous Floor Tile	Chrysotile 21%	21%	#	Not Required	N/A	None Detected	79%
LF-048B	36952	Basement Linoleum Floor Tile	Brown Floor Tile	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
LFM-049A	36953	LF-048 Mastic	Beige Fibrous Floor Tile Mastic	Chrysotile 24%	24%	√	Not Required	N/A	None Detected	76%
LFM-049B	36954	LF-048 Mastic	Beige Floor Tile Mastic	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
CM-050A	36955	Chimney Mortar	Gray Mortar	None Detected	0%		Not Required	N/A	None Detected	100%
CM-050B	36956	Chimney Mortar	Gray Mortar	None Detected	0%		Not Required	N/A	None Detected	100%
PI-051A	36957	Pipe Insulation	White Fibrous Insulation	None Detected	0%		Not Required	N/A	Mineral Wool 100%	0%

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

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Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #232953

Analyst: T. Bush

TEM Date Analyzed: 5/23/2019

TEM Analyst: F. Weinman

ELAP ID No.: 10958

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 1 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
PI-051B	36958	Pipe Insulation	White Fibrous Insulation	Chrysotile 80%	80%		Not Required	N/A	None Detected	20%

KEY TO NOB COLUMN SYMBOLS

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denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

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NVLAP
TESTING

Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #232953

Analyst: T. Bush

TEM Date Analyzed: N/A

TEM Analyst: N/A

ELAP ID No.: 10958

Laboratory Results Approved By: Mary Dohr
Asbestos Operations Manager or Designee

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: **Bergmann Associates**
Location: **Lyons Falls, New York**

Job No: 4374-19B
Page: 16 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
RVS-052A	36959	Roof Vent Sealant	Black Fibrous Sealant	Chrysotile 28%	28%	✓	Not Required	N/A	None Detected	72%
RVS-052B	36960	Roof Vent Sealant	Black Sealant	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
FP-053A	36961	Roof Fire Paper	Black Fibrous Paper	Chrysotile 18%	18%	✓	Not Required	N/A	None Detected	82%
FP-053B	36962	Roof Fire Paper	Black Paper	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
FS-054A	36963	Roof Fire Sealant	Black Sealant	Chrysotile 9.4%	9.4%	✓	Not Required	N/A	None Detected	90.6%
FS-054B	36964	Roof Fire Sealant	Black Sealant	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
CRT-055A	36965	Chimney Repair Tar	Black Tar	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
CRT-055B	36966	Chimney Repair Tar	Black Tar	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
CSS-056A	36967	Coping Stone Seal	Black Fibrous Sealant	Chrysotile 11%	11%	✓	Not Required	N/A	None Detected	89%
CSS-056B	36968	Coping Stone Seal	Black Sealant	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A

KEY TO NOB COLUMN SYMBOLS

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Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #221797

Analyst: T. Ma

TEM Date Analyzed: 5/23/2019

TEM Analyst: F. Weinman

ELAP ID No.: 10958

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: **Bergmann Associates**
Location: **Lyons Falls, New York**

Job No: 4374-19B
Page: 17 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
RC-057A	36969	Roofing Core Top Layer	Black Roof Core	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
RC-057B	36970	Roofing Core Top Layer	Black Roof Core	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
DRL2-058A	36971	Roofing Core Second Layer	Black Fibrous Roof Core	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 15%	85%
DRL2-058B	36972	Roofing Core Second Layer	Black Fibrous Roof Core	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 10%	90%
DRL1-059A	36973	Roof Core First Layer	Black Roof Core	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
DRL1-059B	36974	Roof Core First Layer	Black Roof Core	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
WFC-060A	36975	Wood Frame Window Caulk	White Caulk	Chrysotile 2.9%	2.9%	#	Not Required	N/A	None Detected	97.1%
WFC-060B	36976	Wood Frame Window Caulk	White Caulk	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
WFC-061A	36977	Wood Frame Window Caulk	White Caulk	Inconclusive No Asbestos Detected	0%	#	Stop Positive ** No TEM	N/A	None Detected	100%
WFC-061B	36978	Wood Frame Window Caulk	White Caulk	Chrysotile 4.6%	4.6%	#	Not Required	N/A	None Detected	95.4%

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

✓ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") per EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



ELAP ID No.: 10958

Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

TEM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #221797

TEM Analyst: F. Weinman

Analyst: T. Ma

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.



PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 18 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
PC-062A	36979	Fiberglass Panel Caulk	Gray Caulk	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
PC-062B	36980	Fiberglass Panel Caulk	Gray Caulk	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
FGWP-063A	36981	Fiberglass Window Panel	Gray Fibrous Paneling	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 20%	80%
FGWP-063B	36982	Fiberglass Window Panel	Gray Fibrous Paneling	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 18%	82%
WFC-064A	36983	Window Frame Caulk	White Caulk	Chrysotile 4.3%	4.3%	#	Not Required	N/A	None Detected	95.7%
WFC-064B	36984	Window Frame Caulk	White Caulk	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
WFC-065A	36985	Window Frame Caulk on Front Windows	White Caulk	Inconclusive No Asbestos Detected	0%	#	Stop Positive ** No TEM	N/A	None Detected	100%
WFC-065B	36986	Window Frame Caulk on Front Windows	White Caulk	Chrysotile 4.4%	4.4%	#	Not Required	N/A	None Detected	95.6%
WG-067A	36987	Front Window Glaze	White Window Glaze	Chrysotile 4.6%	4.6%	#	Not Required	N/A	None Detected	95.4%
WG-067B	36988a	Front Window Glaze	White Window Glaze	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

✓ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #232953

Analyst: T. Bush

TEM Date Analyzed: 5/23/2019

TEM Analyst: F. Weinman

ELAP ID No.: 10958

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 19 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
WG-022A	36988b	203-208	Gray Window Glaze	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
WG-022B	36988c	203-208	Gray Window Glaze	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%

KEY TO NOB COLUMN SYMBOLS
 No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).
 v NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
 V denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.
 # denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
 X denotes sample prepped only by ELAP Method 198.6.
 ** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.
 Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples." for EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).

NVLAP
TESTING
 Lab Code 200530-0 for PLM Analysis
PLM Date Analyzed: 5/23/2019
Microscope: Olympus BH-2 #232953
Analyst: T. Bush

ELAP ID No.: 10958

TEM Date Analyzed: 5/23/2019
TEM Analyst: F. Weinman
Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
 Mary Dohr

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CHAIN OF CUSTODY FOR BULK ASBESTOS ANALYSIS

179 Lake Avenue, Rochester, New York 14608
 1815 Love Road, Grand Island, New York 14072

Office: 585-647-2530

Office: 716-775-5777

Client: Bergmann	Contact: Cash Bleier
Phone Number: 585-498-7950	Email Address for Data: cbleier@bergmannpc.com
Client Mailing Address: Bergmann 280 E Broad Street, Suite #200 Rochester, NY 14623	Results To: Cash Bleier Turn Around Time: 5/23 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> Other <input type="checkbox"/>
Date Sampled: 05/14/2019 & 05/15/2019	Material Type/Quantity: Friable NOB TEM
Project Location: Lyons Falls, New York	

OFFICE USE ONLY	
Job #: 4374-19	
Page 1 of 7	
Date Logged In: 5/16/19	
Logged In By: LB	

*** STOP ON POSITIVE ***

	Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	CT-001A,B,C	36853 ₈₅₅ 854	12x12 white glude ceiling tile	white		ceiling tile
2	RLFM-002A,B	856 857	rolled linoleum floor mastic	black		mastic
3	PCTM-003A,B	858 859	puck ceiling tile mastic off off CT-001	black		mastic
4	TCTG-004A,B	860 861	Tan celiling tile glue above CT-001	tan		glue
5	WPSC-005A,B	862 863	gray wall plaster skim coat	gray		plaster
6	007A,BWPBC-	864 865	wall plaster base coat	gray		plaster
7	EGWC-007A,B	866 867	exterior gray window caulk	gray		caulk
8	ETC-008A,B	868 869	eletrical tape cover	blue		tape
9	BWJ-009A,B	870 871	wire jacket	black		wire jacket
#	WWJ-010A,B	872 873	wire jacket	white		wire jacket

Sampled By: A. Cheremeteff, J. Marschner, C. Bleier, S. Franci	Date: 05/14/2019 & 05/15/2019
Transported to Paradigm By: C. Bleier	Date: 5/16/2019
Received By: <i>Loren Burges</i>	Date: 5-16-19 18:42

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1, 198.4 and 198.6) unless EPA 600/M4/82/020 per 40 CFR 763 and/or EPA 600/R-93/116 methods are requested.

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS	<input checked="" type="checkbox"/>
or provide TEM contact name:	
TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY:	136

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

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CHAIN OF CUSTODY FOR BULK ASBESTOS ANALYSIS

179 Lake Avenue, Rochester, New York 14608
 1815 Love Road, Grand Island, New York 14072

Office: 585-647-2530
 Office: 716-775-5777

Client: Bergmann	Contact: Cash Bleier
Phone Number: 585-498-7950	Email Address for Data: <u>cbleier@bergmannpc.com</u>
Results To: Cash Bleier	Turn Around Time: 5/23 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> X Other <input type="checkbox"/>
Date Sampled: 05/14/2019 & 05/15/2019	Material Type/Quantity: Friable <input type="checkbox"/> NOB <input type="checkbox"/> TEM <input type="checkbox"/>
Project Location: Lyons Falls, New York	

Client Mailing Address:
Bergmann
 280 E Broad Street, Suite #200
 Rochester, NY 14623

OFFICE USE ONLY	
Job #:	4374-14
Page	2 of 7
Date Logged In:	5-16-19
Logged In By:	CB

***** STOP ON POSITIVE *****

	Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	DW-011A,B	36874 875	playroom drywall	white		drywall
2	CM-012A,B	876 877	tan carpet mastic	tan		mastic
3	CT-013 A,B,C	878 830 879	playroom ceiling tile 2x2	white		ceiling tile
4	DW-014A,B	881 882	drywall in boys bathroom	white		drywall
5	FT-015A,B	883 884	boys bathroom floor tile	beige		floor tile
6	FTM-016A,B	885 886	FT-015 mastic	yellow		mastic
7	CT-017A,B,C	887 888A B	second floor tan hallway ciling tile 2x4	white		ceiling tile
8	FT-018A,B	889 890	12x12 floor tile	grey		floor tile
9	FTM-019A,B	891 892	FT-018 mastic	grey		mastic
#	BC-020A,B	893 894	base coat 2nd floor stairway	white		plaster

Sampled By: A. Cheremeteff, J. Marschner, C. Bleier, S. Franci	Date: 05/14/2019 & 05/15/2019
Transported to Paradigm By: C. Bleier	Date: 5/16/2019
Received By: <i>Chester Burgess</i>	Date: 5-16-19 18:47

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1, 198.4 and 198.6) unless EPA 600/M4/82/020 per 40 CFR 763 and/or EPA 600/R-93/116 methods are requested.

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS	<input checked="" type="checkbox"/> X
or provide TEM contact name:	
TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY:	136

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CHAIN OF CUSTODY FOR BULK ASBESTOS ANALYSIS

179 Lake Avenue, Rochester, New York 14608 Office: 585-647-2530
 1815 Love Road, Grand Island, New York 14072 Office: 716-775-5777

Client: Bergmann	Contact: Cash Bleier
Phone Number: 585-498-7950	Email Address for Data: cbleier@bergmannpc.com
Results To: Cash Bleier	Turn Around Time: 5/23 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> Other <input type="checkbox"/>
Date Sampled: 05/14/2019 & 05/15/2019	Material Type/Quantity: Friable NOB TEM
Project Location:	Lyons Falls, New York

Client Mailing Address:
 Bergmann
 280 E Broad Street, Suite #200
 Rochester, NY 14623

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Job #: 4374-19	
Page 3 of 7	
Date Logged In: 5-16-19	
Logged In By: CB	

*** STOP ON POSITIVE ***

	Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	SC-021A,B	36895 896	skim coat 2nd floor stairway	white		plater
2	JC-023A,B,C,D	897 898 899 900	joint compound	white		joint compound
3	STP-024A,B	901 902	2nd floor textured paint	white		paint
4	SLF-025A,B	903 904	2nd floor landing	black		flooring
5	KFT-026A,B	905 906	kitchen floor tile	white		floor tile
6	KFTM-027A,B	907 908	KFT-026 mastic	beige		mastic
7	CW-028A,B	909 910	café wallpaper	blue		wall paper
8	MBW-029A,B	911 912	master bedroom wall paper	pink		wall paper
9	HWP-030A,B	913 914	hallway wall paper	green		wall paper
#	FT-031 A,B	915 916	room 105 floor tile 12x12	black		floor tile

Sampled By: A. Cheremeteff, J. Marschner, C. Bleier, S. Franci	Date: 05/14/2019 & 05/15/2019
Transported to Paradigm By: C. Bleier	Date: 5/16/2019
Received By: <i>Amerson</i>	Date: 5-16-19 18:49

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1, 198.4 and 198.6) unless EPA 600/M4/82/020 per 40 CFR 763 and/or EPA 600/R-93/116 methods are requested.

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS	<input checked="" type="checkbox"/>
or provide TEM contact name:	
TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY:	<input type="text" value="136"/>

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

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CHAIN OF CUSTODY FOR BULK ASBESTOS ANALYSIS

179 Lake Avenue, Rochester, New York 14608
 1815 Love Road, Grand Island, New York 14072

Office: 585-647-2530

Office: 716-775-5777

Client: Bergmann	Contact: Cash Bleier
Phone Number: 585-498-7950	Email Address for Data: cbleier@bergmannpc.com
Results To: Cash Bleier	Turn Around Time: 5/23 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> Other <input type="checkbox"/>
Date Sampled: 05/14/2019 & 05/15/2019	Material Type/Quantity: Friable <input type="checkbox"/> NOB <input type="checkbox"/> TEM <input type="checkbox"/>
Project Location: Lyons Falls, New York	

Client Mailing Address:
Bergmann
 280 E Broad Street, Suite #200
 Rochester, NY 14623

OFFICE USE ONLY	
Job #:	4374-19
Page	4 of 7
Date Logged In:	5-16-19
Logged In By:	CB

*** STOP ON POSITIVE ***

	Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	FTM-032A,B	36917 918	FT-031 mastic	beige		mastic
2	FT-033 A,B	919 920	bathroom off of Rm 105 floor tile (mastic too, lab to separate)	beige		floor tile
3	BWP-034 A,B	921 922	bathroom wall paper	blue		wall paper
4	FLM-035A,B	923 924	floor board mastic	tan		mastic
5	FLB-036A,B	925 926	woodshop lino floor	tan		floor tile
6	CT-037 A,B,C	927 928 929	12x12 white glue ceiling tile	white		ceiling tile
7	CTP-038 A,B	930 931	CT-037 mastic pucks	brown		mastic
8	STG-039 A,B	932 933	Auditorium stair treat mastic	yellow		mastic
9	VBP-040 A,B	934 935	vapor barrier paper	black		paper
#	WP-041 A,B	936 937	white wall patch	white		joint compound

Sampled By: A. Cheremeteff, J. Marschner, C. Bleier, S. Franci	Date: 05/14/2019 & 05/15/2019
Transported to Paradigm By: C. Bleier	Date: 5/16/2019
Received By: <i>Gregory Burdick</i>	Date: 5-16-19 18:52

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1, 198.4 and 198.6) unless EPA 600/M4/82/020 per 40 CFR 763 and/or EPA 600/R-93/116 methods are requested.

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS	<input checked="" type="checkbox"/>
or provide TEM contact name:	
TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY:	136

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STOP POSITIVE



CHAIN OF CUSTODY FOR BULK ASBESTOS ANALYSIS

179 Lake Avenue, Rochester, New York 14608 Office: 585-647-2530
 1815 Love Road, Grand Island, New York 14072 Office: 716-775-5777

Client: Bergmann	Contact: Cash Bleier
Phone Number: 585-498-7950	Email Address for Data: cbleier@bergmannpc.com
Results To: Cash Bleier	Turn Around Time: 5/23 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> Other <input type="checkbox"/>
Date Sampled: 05/14/2019 & 05/15/2019	Material Type/Quantity: Friable NOB TEM
Project Location: Lyons Falls, New York	

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Job #:	4374-19
Page	5 of 7
Date Logged In:	5-16-19
Logged In By:	CB

Client Mailing Address:
Bergmann
 280 E Broad Street, Suite #200
 Rochester, NY 14623

*** STOP ON POSITIVE ***

	Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	CP-042A,B	36938 939	ceiling plaster	dark grey		plaster
2	WP-043 A,B,C	940 941 942	wall plaster	grey		plaster
3	WPSC-044 A,B	943 944	WP-043 skim coat	grey		wall paper
4	CCP-045 A,B	945 946	custodian closet ceiling plaster	grey		plaster
5	DW-046 A,B	947 948	basement drywall	white		drywall
6	CM-047 A,B	949 950	carpet mastic main basement hall way	brown		mastic
7	LF-048 A,B	951 952	basement lino. Floor tile	brown		floor tile
8	LFM-049 A,B	953 954	LF-048 mastic	beige		mastic
9	CM-050A,B	955 956	chimney mortar	grey		mortar
#	PI-051A,B	957 958	pipe insulation	white		insulation

Sampled By: A. Cheremeteff, J. Marschner, C. Bleier, S. Franci	Date: 05/14/2019 & 05/15/2019
Transported to Paradigm By: C. Bleier	Date: 5/16/2019
Received By: Amerson Burgess	Date: 5-16-19 18:55

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1, 198.4 and 198.6) unless EPA 600/M4/82/020 per 40 CFR 763 and/or EPA 600/R-93/116 methods are requested.

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS	<input checked="" type="checkbox"/>
or provide TEM contact name:	
TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY:	136

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CHAIN OF CUSTODY FOR BULK ASBESTOS ANALYSIS

179 Lake Avenue, Rochester, New York 14608
 1815 Love Road, Grand Island, New York 14072

Office: 585-647-2530
 Office: 716-775-5777

Client: Bergmann	Contact: Cash Bleier
Phone Number: 585-498-7950	Email Address for Data: cbleier@bergmannpc.com
Results To: Cash Bleier	Turn Around Time: 5/23 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> Other <input type="checkbox"/>
Date Sampled: 05/14/2019 & 05/15/2019	Material Type/Quantity: Friable NOB TEM
Project Location: Rochester, NY 14623	Lyons Falls, New York

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Job #: 4374-19	
Page: 6 of 7	
Date Logged In: 5-16-19	
Logged In By: CB	

Client Mailing Address:
 Bergmann
 280 E Broad Street, Suite #200
 Rochester, NY 14623

*** STOP ON POSITIVE ***

	Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	RVS-052 A,B	36959 960	roof vent sealant	black		sealant
2	FP-053 A,B	961 962	roof fire paper	black		paper
3	FS-054 A,B	963 964	roof fire sealant	black		sealant
4	CRT-055 A,B	965 966	chimney repair tar	black		tar
5	CSS-056 A,B	967 968	coping stone seal	black		sealant
6	RC-057A,B	969 970	roofing core top layer	black		roof core
7	DRL2-058 A,B	971 972	roofing core second layer	black		roof core
8	DRL1-059A,B	973 974	roof core first layer	black		roof core
9	WFC-060 A,B	975 976	wood frame window caulk	white		caulk
#	WFC-0061 A,B	977 978	wood frame window caulk	white		caulk

Sampled By: A. Cheremeteff, J. Marschner, C. Bleier, S. Franci	Date: 05/14/2019 & 05/15/2019
Transported to Paradigm By: C. Bleier	Date: 5/16/2019
Received By: <i>Gameron Berger</i>	Date: 5-16-19 1857

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1, 198.4 and 198.6) unless EPA 600/M4/82/020 per 40 CFR 763 and/or EPA 600/R-93/116 methods are requested.

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS	<input checked="" type="checkbox"/>
or provide TEM contact name:	
TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY:	136

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STOP POSITIVE



CHAIN OF CUSTODY FOR BULK ASBESTOS ANALYSIS

179 Lake Avenue, Rochester, New York 14608 Office: 585-647-2530
 1815 Love Road, Grand Island, New York 14072 Office: 716-775-5777

Client: Bergmann	Contact: Cash Bleier
Phone Number: 585-498-7950	Email Address for Data: cbleier@bergmannpc.com
Results To: Cash Bleier	Turn Around Time: 5/23 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> Other <input type="checkbox"/>
Date Sampled: 05/14/2019 & 05/15/2019	Material Type/Quantity: Friable NOB TEM
Project Location: Lyons Falls, New York	

OFFICE USE ONLY	
Job #:	4374-19
Page	7 of 7
Date Logged In:	5-16-19
Logged In By:	16

Client Mailing Address:
Bergmann
 280 E Broad Street, Suite #200
 Rochester, NY 14623

*** STOP ON POSITIVE ***

	Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	PC-062 A,B	36979 980	fiberglass panel caulk	grey		caulk
2	FGWP-063 A,B	981 982	fiberglass window panel	grey		paneling
3	WFC-064 A,B	983 984	window frame caulk	white		caulk
4	WFC-065 A,B	985 986	window frame caulk on front windows	white		caulk
5	WG-067 A,B	987 988A	front window glaze	white		glaze
6	WG-022 ^A B	988B 988C	203-208	gray		Window glaze
7						
8						
9						
#						

Sampled By: A. Cheremeteff, J. Marschner, C. Bleier, S. Franci	Date: 05/14/2019 & 05/15/2019
Transported to Paradigm By: C. Bleier	Date: 5/16/2019
Received By: <i>Conner Bergman</i>	Date: 5-16-19 18:59

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1, 198.4 and 198.6) unless EPA 600/M4/82/020 per 40 CFR 763 and/or EPA 600/R-93/116 methods are requested.

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS	<input checked="" type="checkbox"/>
or provide TEM contact name:	
TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY:	136

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

STOP POSITIVE



Green 2 Green Consulting LLC

45477 State Route 12, Suite 1
Alexandria Bay, NY 13607
315.277.7167

Attachment B

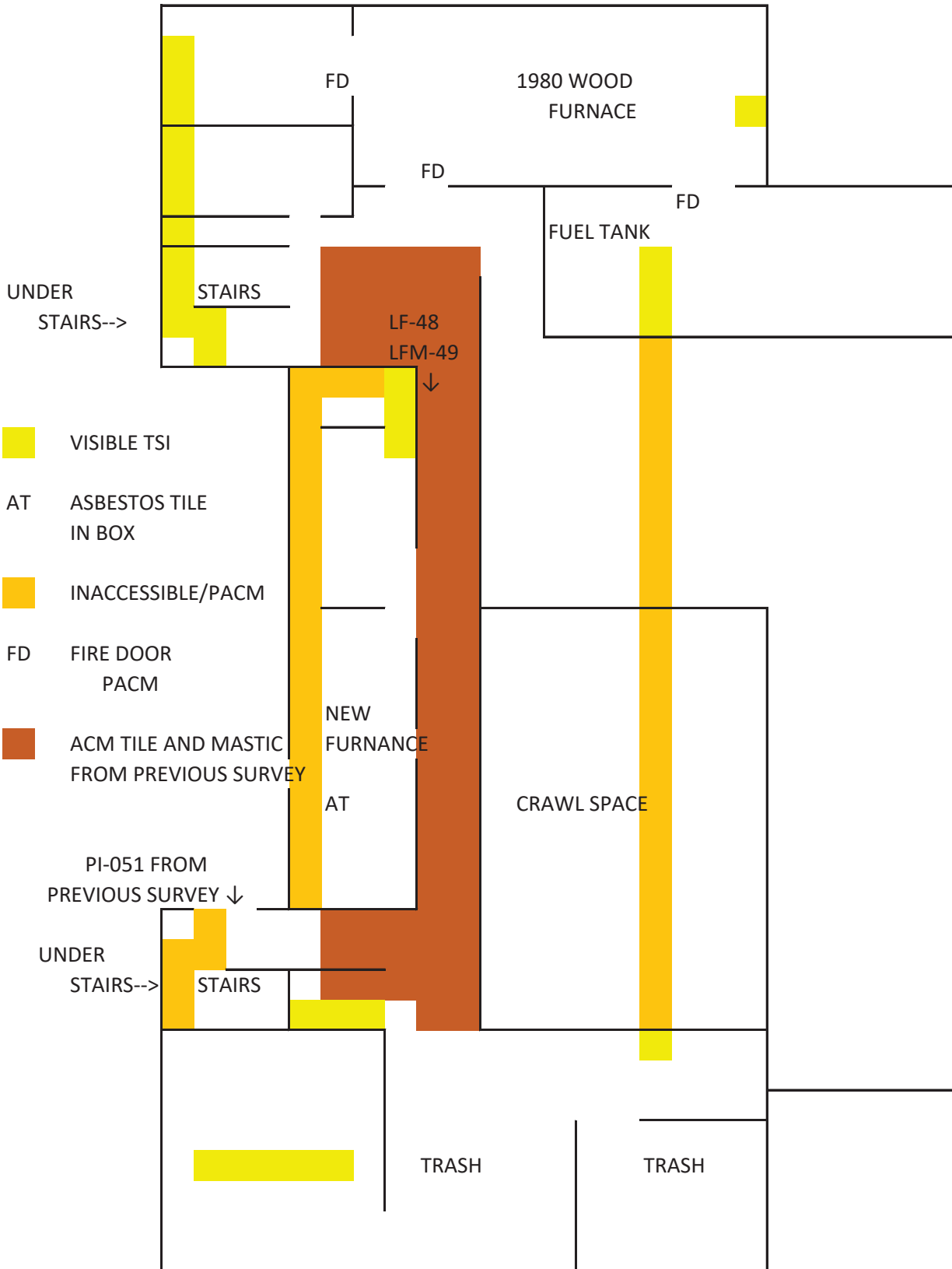
Notes & Location Drawings



www.green2greenconsulting.com

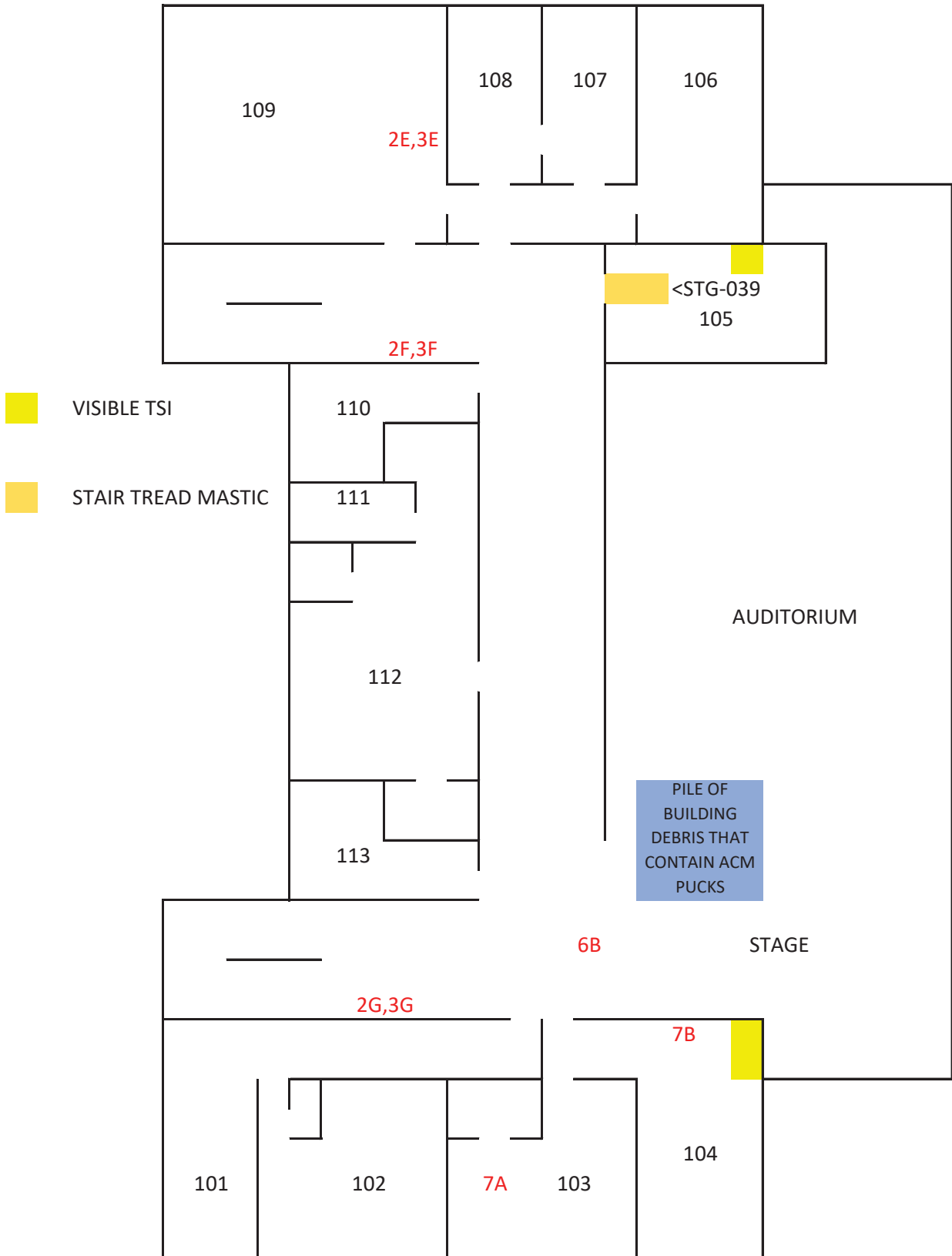
New York State Certified
Service-Disabled Veteran-Owned Business

BASEMENT



THE ENTIRE BASEMENT IS AN INCIDENTAL DISTURBANCE. ALL TSI IS DISTURBED

1ST FLOOR



THERE ARE CEILING TILES THROUGHOUT THE DEBRIS AND TRASH OF THIS FLOOR THAT CONTAIN ACM PUCKS. ACM PUCKS ALSO REMAIN ON ALL CEILINGS ON THIS FLOOR

2ND FLOOR



THERE ARE TILES THROUGHOUT THE DEBRIS AND TRASH OF THIS FLOOR THAT CONTAIN ACM PUCKS. ACM PUCKS ALSO REMAIN ON ALL CEILINGS ON THIS FLOOR



Green 2 Green Consulting LLC

45477 State Route 12, Suite 1
Alexandria Bay, NY 13607
315.277.7167

Attachment C

Inspector & Laboratory Certification



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Service-Disabled Veteran-Owned Business



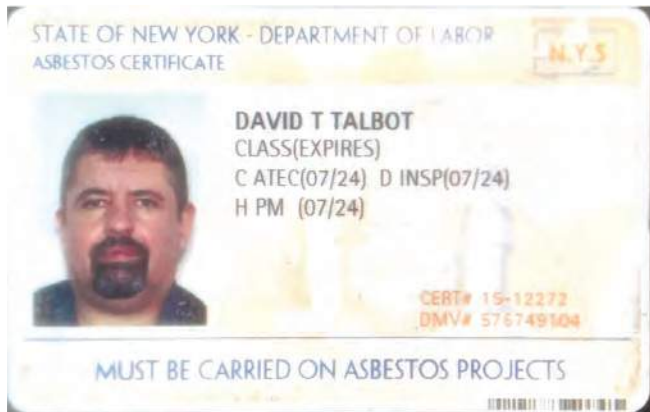
Green 2 Green Consulting LLC

45477 State Route 12, Suite 1
Alexandria Bay, NY 13607
315.277.7167

David Talbot Industrial Hygeine Certifications

**NYS DOL Asbestos Inspector,
Project Monitor, & Air Tech**

**OSHA 30 Hour Construction
Safety & Health**



www.green2greenconsulting.com

New York State Certified
Service-Disabled Veteran-Owned Business

WE ARE YOUR DOL



**Department
of Labor**

DIVISION OF SAFETY & HEALTH LICENSE AND CERTIFICATE UNIT, STATE OFFICE CAMPUS, BLDG. 12, ALBANY, NY 12226

ASBESTOS HANDLING LICENSE

Green 2 Green Consulting LLC
45477 State Route 12, Suite 1, Alexandria Bay, NY, 13607

License Number: 110390

License Class: RESTRICTED

Date of Issue: 03/17/2023

Expiration Date: 03/31/2024

Duly Authorized Representative: Jonathan Riley

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

A handwritten signature in black ink, appearing to read "Amy Phillips".

Amy Phillips, Director
For the Commissioner of Labor

EXCELSIOR



Office of General Services
Division of Service-Disabled
Veterans' Business Development

Green 2 Green Consulting LLC

Is hereby certified as a
**New York State Service-Disabled Veteran-Owned
Small Business (SDVOB)**

January 26, 2023

171570

Control Number

Executive Director
Division of Service-Disabled Veterans'
Business Development



Kathy Hochul
Governor

January 25, 2028

Expiration Date

Commissioner
New York State
Office of General Services



NEW YORK STATE **MINORITY- AND WOMEN-OWNED BUSINESS ENTERPRISE ("MWBE")** **CERTIFICATION**

Empire State Development's Division of Minority and Women's Business Development grants a

Minority Business Enterprise (MBE)

pursuant to New York State Executive Law, Article 15-A to:

Green 2 Green Consulting, LLC

Certification Awarded on: October 24, 2023

Expiration Date: October 24, 2028

File ID#: 70969





Green 2 Green Consulting LLC

45477 State Route 12, Suite 1
Alexandria Bay, NY 13607
315.277.7167

Attachment D

Original Survey Report



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New York State Certified
Service-Disabled Veteran-Owned Business

Appendix L:

Former Lyons Falls School - Asbestos, Lead-Based Paint and PCB Caulk Survey



LYONS FALLS
CONNECTS
RECREATION · BUSINESS · HISTORY

**Village of Lyons Falls, New York Brownfield Opportunity Area
Step 3 - Implementation Strategy**

October 2019



This document was prepared for the Village of Lyons Falls, New York and the New York State Department of State with state funds provided through the Brownfield Opportunities Area Program.



Asbestos, Lead-Based Paint, and PCB Caulk Survey

Former Lyons Fall Elementary School - Lewis County, Lyons Falls, New York



Date: June 10th, 2019

Project Number: 010817.00

Bergmann

Office:

280 East Broad Street, Suite 200

Rochester, New York 14604

Phone:

585.232.5135

www.bergmannpc.com





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2.0	Asbestos Survey and Sampling Methodology	2
3.0	Asbestos Laboratory Analysis Methodology.....	3
4.0	Materials Sampled and Analyzed	3
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Appendices:

Appendix A: Bergmann Asbestos License, Worker Certifications, Laboratory Certifications

Appendix B: Sample Location Plans

Appendix C: Laboratory Analytical Reports and Chain-of-Custody Forms

Appendix D: Photo Log



1.0 Introduction

The Village of Lyons Falls retained Bergmann to conduct an Asbestos Containing Materials (ACM), Lead-Based Paint, and Polychlorinated Biphenyl (PCB)-Caulk Survey for the existing former elementary school located at 6832 McAlpine Street, Lyons Falls, New York.

This survey is inclusive of the following areas for the single building located on the site:

- Former School: 1st, 2nd, and basement floors and attached auditorium.
- Former School: roof and exterior surfaces.

This survey was intended to confirm the presence or absence of asbestos, lead-based paint, and PCB-caulk in building materials prior to the potential acquisition and renovation or demolition of the building by the Village of Lyons Falls. Access to the properties and the structure was granted by the Village of Lyons Falls. Upon arrival, during surveys, and final inspections, the buildings were unoccupied; however, evidence of recent occupancy and use of the space as living quarters was observed. It is noted that the current owner was on site and had entered the building post survey work on the first day survey. Auditorium doors that were closed the first day of survey work were noted to be opened the following day and materials/objects were removed and placed on the exterior of the building.

The result of this pre-renovation survey, based on field observations and the samples collected and analyzed did reveal the presence of asbestos and lead-based paint from within the former elementary school as well as on the exterior and roof. Additional suspect materials could potentially exist under or within inaccessible building areas and/or outer exposed layers. The building at the time of the survey work was full of clothing, furniture, sporting goods, wood, spare building materials, bags of unknown articles, children's toys, and other miscellaneous items severely limiting access to many areas of the building thus making a comprehensive survey difficult (as evidenced in the attached Appendix D – Photo Log). Additional investigation, sampling, and testing may be required should the building be emptied of its contents or if additional suspect materials are discovered during the renovation process.

Bergmann was not hired to perform a mold survey, however, the team that performed the asbestos and hazardous materials survey was comprised of all New York State Department of Labor (NYS DOL) Mold Assessors and had noted that extensive water damage was observed throughout the building. The roof had areas of standing water and moss growth with those same areas having soft or spongy roof decking. Interior spaces had bulging, stained, and fallen roof tiles throughout each room and on each floor. Paint had bubbled and peeled on outside walls in a manner consistent with water infiltration. Many rooms had evidence of black, grey, and green mold growth (as depicted in Appendix D – Photo Log).

Building materials from walls, room divider beams and joists, insulation, flooring, and ceilings were removed and stored in various areas of the building as depicted in Appendix D.

Many rooms were observed to be filled to capacity with material goods in each floor of the building including the basement. A pickled food storage pantry was noted in the basement space. A dedicated play room filled with children's toys was located on the second floor, several bedrooms were noted throughout, a kitchen area, a living room type space containing a form of heating stove piped to an unknown location was observed. An auditorium full of a variety of material goods in various states of disrepair and function (furniture, canoes, beds, toys, outdoor sporting equipment, clothing, etc.). The interior had severely deteriorated roof tiles, cracked ceiling and wall plaster, and peeling paint fallen into the building with crushed debris throughout.



2.0 Asbestos Survey and Sampling Methodology

Bergmann conducted a site visit to collect bulk samples and to estimate quantities of suspect asbestos containing materials (ACM), lead-based paint, and PCB-caulk materials on the following dates:

- First and Second Floors: May 14th, 2019
- Basement, Roof, and Exterior Surfaces: May 15th, 2019

The Site visit and bulk sampling were performed by Jim Marschner, Ariadna Cheremeteff, Skylar Francis, and Cash Bleier, all New York State Department of Labor (NYSDOL) certified Asbestos Building Inspectors. Samples were collected from accessible portions of each buildings' interior, exterior, and roofing spaces.

Bergmann personnel conducted the Survey and samples were analyzed in accordance with applicable Federal and State regulations. These regulations include:

- National Emission Standards for Hazardous Air Pollutants (NESHAPS)
- New York State Department of Labor Industrial Code Rule 56 (ICR-56)
- New York State Department of Health Environmental Laboratory Approval Program (NYSDOH-ELAP)
- National Voluntary Laboratory Accreditation Program (NVLAP)
- Occupational and Health Administration (OSHA) Regulation 29 CFR 1926.1101, 29 CFR 1910.1001 and 29 CFR 1910.134.

A suspect material is considered to be an asbestos containing material (ACM) under the Occupational Safety and Health Administration (OSHA) regulations 29 CFR 1910.1001 and 29 CFR 1926.1101 as any material that contains more than one percent (>1%) asbestos by weight. Although samples containing less than or equal to one percent ($\leq 1\%$) asbestos by weight or trace are not considered asbestos containing materials by definition, employees must be informed about the presence of materials containing $\leq 1\%$ or trace asbestos when it is known it is present. Trace asbestos containing sample results for suspect materials collected as part of this inspection, if identified are included in the tables below.

The Bergmann Asbestos license, laboratory certifications, and certifications of the persons that conducted the bulk sampling are provided in Appendix A – Bergmann Asbestos License, Worker Certifications, and Laboratory Certifications. Sample locations are depicted in the drawings provided in Appendix B – Sample Location Plans.

Procedures for bulk sampling and measurements included:

- Sample collection area was cleaned of any debris or non-ACM material and was wetted with amended water as needed.
- A minimal amount of material was collected and placed into discrete plastic sample bags.
- Sample containers were labeled with a site-specific code that reflected location and sample number.
- Sample locations were detailed on the associated drawings denoting location.



Representative bulk samples of suspect materials were collected for laboratory analysis. The samples were transported via Chain-of-Custody protocol to Paradigm Environmental Services, a NYSDOH-ELAP and NVLAP certified asbestos testing laboratory. Copies of the Chain-of-Custody forms are provided in Appendix C – Asbestos Laboratory Analytical Reports and Chain-of-Custody Forms.

3.0 Asbestos Laboratory Analysis Methodology

Samples, including both friable and non-friable, were initially analyzed for the presence of asbestos via Polarized Light Microscopy (PLM). For friable material and material determined by gravimetric analysis to be greater than 1% asbestos, no further analysis was required. PLM analysis is typically sufficient on samples of friable insulation, pipe wrap, spray-on fire proofing, drywall and plaster.

Some samples were determined to be non-friable organically bound (NOB) material. The results on representative samples of NOB material that were determined to be non-ACM via initial PLM analysis were confirmed via Transmission Electron Microscopy (TEM). The TEM analysis was performed in accordance with NYSDOH-ELAP regulations to confirm the presence or absence of asbestos from NOB material. TEM confirmation is typical of materials such as electrical wiring, vinyl floor tile, adhesive mastics, and roofing materials including flashing, caulk, roofing tar and asphalt shingles.

Vermiculite materials used for thermal systems insulation (TSI), surfacing materials, and other miscellaneous ACM (e.g. surfacing materials, plaster, pipe lagging and sprayed-on fireproofing) may be presumed asbestos containing material (PACM) or may follow the latest NYS acceptable testing method. If vermiculite materials are used as an attic fill, block fill, or other loose bulk vermiculite materials, it must be designated and treated as ACM.

Laboratory analysis was performed in accordance with NYSDOH-ELAP and NVLAP regulations. A copy of the laboratory analysis on the bulk samples is provided in Appendix C – Asbestos Laboratory Analytical Reports and Chain-of-Custody Forms.

4.0 Materials Sampled and Analyzed

Bergmann identified ACM during the May 2019 inspections, sampling, and analysis activities. If during the potential renovation, a vapor barrier is encountered beneath the concrete floor slab that material will not be removed before being sampled and analyzed for asbestos. The following tables summarize the materials sampled and the findings from these assessments:



Lyons Falls, New York

Former School Site - Second Floor Sampling Results

Sample ID	Sample Description	Asbestos?	Quantity
CT-001 A,B,C	12x12 white glued ceiling tile	No Asbestos Detected	NA
RLFM-002 A,B	Rolled linoleum floor tile mastic	No Asbestos Detected	NA
PCTM-003 A,B	Puck ceiling tile mastic off of CT-001	1.2% Chrysotile	~8,000 SF
TCTG-004 A,B	Tan ceiling tile glue off of CT-001	No Asbestos Detected	NA
WPSG-005 A,B	Gray wall plaster skim coat	No Asbestos Detected	NA
BWPC-007 A,B	Wall plaster base coat	No Asbestos Detected	NA
EGQC-007 A,B	Exterior gray window caulk	No Asbestos Detected	NA
ETC-008 A,B	Blue electrical tape cover	No Asbestos Detected	NA
BWJ-009 A,B	Wire jacket - black	No Asbestos Detected	NA
WWJ-010 A,B	Wire jacket - white	No Asbestos Detected	NA
DW-011 A,B	Playroom drywall	No Asbestos Detected	NA
CM-012 A,B	Tan carpet mastic	No Asbestos Detected	NA
CT-013 A,B,C	Playroom ceiling tile	No Asbestos Detected	NA
DW-014 A,B	Drywall in Boys Bathroom	No Asbestos Detected	NA
FT-015 A,B	Boys bathroom floor tile	1.3 % Chrysotile	~350 SF
FTM-016 A,B	Floor tile mastic of FT-015	11% Chrysotile	~350 SF
CT-017 A,B	Second Floor Hallway Ceiling Tile	No Asbestos Detected	NA
FT-018 A,B	Gray floor tile	2.4% Chrysotile	~400 SF
FTM-019 A,B	Floor tile mastic of FT-018	Trace Chrysotile Detected	~400 SF
BC-020 A,B	Base coat- 2nd floor stairway	No Asbestos Detected	NA
SC-021 A,B	Skim coat- 2nd floor stairway	No Asbestos Detected	NA
JC-023 A,B,C,D	Joint compound	No Asbestos Detected	NA
STP-024 A,B	2nd floor textured paint	No Asbestos Detected	NA
SLF-025 A,B	Black flooring- 2nd floor landing	7.1% Chrysotile	~215 SF

*All quantities are subject to abatement contractor's verification prior to providing a cost estimate or initiating abatement.



Lyons Falls, New York

Former School Site - First Floor Sampling Results

Sample ID	Sample Description	Asbestos?	Quantity
KFT-026 A,B	Kitchen floor tile	No Asbestos Detected	NA
KFTM-027 A,B	Tile mastic off of KFT-026	No Asbestos Detected	NA
CW-028 A,B	Café wallpaper	No Asbestos Detected	NA
MBW-029 A,B	Master bedroom wallpaper	No Asbestos Detected	NA
HWP-030 A,B	Hallway wallpaper	No Asbestos Detected	NA
FT-031A,B	Room 105 floor tile	No Asbestos Detected	NA
FTM-032 A,B	Floor tile mastic of FT-031	No Asbestos Detected	NA
FT-033 A,B	Bathroom off of Rm 105 floor tile	No Asbestos Detected	NA
BWP-034 A,B	Bathroom wall paper	No Asbestos Detected	NA
FLM-035 A,B	Floor board mastic	No Asbestos Detected	NA
FLB-036 A,B	Woodshop linoleum flooring	No Asbestos Detected	NA
CT-037 A,B,C	12x12 white ceiling tile	No Asbestos Detected	NA
CTP-038 A,B	Ceiling tile mastic pucks off CT-037	Trace Chrysotile Detected	~7,000 SF
STG-039 A,B	Auditorium stair tread mastic	17% Chrysotile	~500 SF
VBP-040 A,B	Vapor barrier paper	No Asbestos Detected	NA
WP-041 A,B	Joint compound wall patch	No Asbestos Detected	NA

*All quantities are subject to abatement contractor's verification prior to providing a cost estimate or initiating abatement.

Lyons Falls, New York

Former School Site - Basement Sampling Results

Sample ID	Sample Description	Asbestos?	Quantity
CP-042 A,B	Ceiling Plaster - Dark gray	No Asbestos Detected	NA
WP-043 A,B,C	Wall plaster - gray	No Asbestos Detected	NA
WPSC-044 A,B	Wall plaster WP-043 skim coat	No Asbestos Detected	NA
CCP-045 A,B	Custodian closet ceiling plaster	No Asbestos Detected	NA
DW-046 A,B	Basement drywall	No Asbestos Detected	NA
CM-047 A,B	Carpet mastic- main basement hallway	No Asbestos Detected	NA
LF-048 A,B	Basement linoleum floor tile	21% Chrysotile	~800 SF
LFM-049 A,B	LF-048 mastic	24% Chrysotile	~800 SF
CM-050 A,B	Basement chimney mortar	No Asbestos Detected	NA
PI-051 A,B	White fibrous pipe insulation	80% Chrysotile	~50 LF

*All quantities are subject to abatement contractor's verification prior to providing a cost estimate or initiating abatement.



Lyons Falls, New York
Former School Site - Roof and Exterior Sampling Results

Sample ID	Sample Description	Asbestos?	Quantity
RVS-052 A,B	Roof vent sealant	28% Chrysotile	~50 SF
FP-053 A,B	Roof fire paper	18% Chrysotile	~8,000 SF
FS-054 A,B	Roof fire sealant	9.4% Chrysotile	~5,000 SF
CRT-055 A,B	Chimney repair tar	Trace Chrysotile Detected	~50 SF
CSS-056 A,B	Coping Stone repair tar	11% Chrysotile	~50 SF
RC-057 A,B	Roof core - top layer	No Asbestos Detected	NA
DRL2-058 A,B	Roof core - second layer	No Asbestos Detected	NA
DRL1-059 A,B	Roof core - first layer	No Asbestos Detected	NA
WFC-060 A,B	Wood frame window caulk	2.9% Chrysotile	~250 LF
WFC-061 A,B	Wood frame white window caulk	4.6% Chrysotile	~250 LF
PC-062 A,B	Fiberglass panel caulk	No Asbestos Detected	NA
FGWP-063 A,B	Fiberglass window panel	No Asbestos Detected	NA
WFC-064 A,B	Wood frame white caulk	4.3% Chrysotile	~300 LF
WFC-065 A,B	Front window frame white caulk	4.4% Chrysotile	~250 LF
WG-067 A,B	Front window glazing	4.6% Chrysotile	~450 LF
WG-022 A,B	Gray window glaze	No Asbestos Detected	NA

*All quantities are subject to abatement contractor's verification prior to providing a cost estimate or initiating abatement.

Sample location for the materials presented in the tables above are depicted in the drawings provided in Appendix B – Sample Location Plans. Due to the dilapidated state of the building, the following conditions were observed:

- PCTM-003 was taken from ceiling tiles that had fallen to the floor. There was visible evidence of mastic still stuck to the ceiling as well as on tiles that had also fallen. All puck-style mastic on the second floor is considered to be ACM.
- PI-051 was taken from pieces of exposed piping insulation from the former boiler room areas in the basement. It appeared that some of the exposed wrap was improperly removed from the piping in the basement and it is believed that there are asbestos fibers in the floor dusts of the basement. There potential exists for the pipe insulation that was sampled to be on piping that is underneath the auditorium floor. Safe entry to the crawl space beneath the auditorium floor was not available during this survey.
- Due to a large number of stored and scattered materials, furniture, and goods throughout the building (Appendix D – Photo Log), there is a potential that not all materials were not sampled during this survey.

4.1 LEAD BASED PAINT SAMPLING

In addition to asbestos, Bergmann also sampled suspect paints for lead during the ACM survey. A total of 16 different paints were removed from surfaces, and put into plastic sample bags for laboratory analysis. Samples were transported via Chain-of-Custody protocol to Paradigm Environmental Services in Rochester, New York. Six (6) of the 16 samples tested positive for lead. All of the paints that were sampled were in poor condition, and were already chipping/peeling and required no destructive measures to remove them from the surface to which they were applied.

The Federal Department of Housing and Urban Development (HUD) has established guidelines for the identification of lead based paint. Paint containing a concentration equal to or greater than 0.5% by weight (5,000 parts per million or 5,000 ppm) is to be considered lead-based paint. The results of the lead based paint (LBP) sampling is described in the table below:



Lyons Falls, New York

Lead Based Paint Sampling Results

Sample ID	Sample Description and Location	Lead?
LBP-001	Blue Paint in Rooms 203-208	1.51%
LBP-002	White Paint in Rooms 203-208	0.14%
LBP-003	Green Paint in Rooms 203-208	0.61%
LBP-004	Gray Paint in Boys Bathroom	0.44%
LBP-005	Light Blue Paint in Boys Bathroom	0.52%
LBP-006	Cream Paint in 2nd Floor Main Hallway	0.52%
LBP-007	White Paint in 2nd Floor Hallway - West	<0.00534%
LBP-008	Stairway Hallway - East, 2nd Floor	<0.00472%
LBP-009	White Paint in 1st Floor Hallway	<0.00710%
LBP-010	Blueish-Gray Paint in 1st Floor Hallway	<0.00548%
LBP-011	1st Floor Stairwell Paint	1.10%
LBP-012	Green/White Paint in Rooms 103 and 104	0.74%
LBP-013	Auditorium Rose Paint	0.18%
LBP-014	Girls 1st Floor Bathroom - Black Paint	0.48%
LBP-015	White Paint on Basement Ceiling	<0.00463%
LBP-016	Rose Paint in Basement	0.17%

5.0 Limitations

Bergmann inspected and sampled materials which were observable and accessible to the survey inspection team. Suspect asbestos-containing materials that have not been tested and/or found positive for asbestos, if any, must be assumed ACM until they are accessible and may be sampled and/or tested prior to or as part of scheduled renovation or demolition.

Charged electrical systems and energized mechanical and pneumatic equipment were not sampled as part of this survey. Mechanical equipment was not dismantled within the building.

The building contained a large amount of debris, household items and piles of building materials scattered all over within the structure. The amount of stockpiled materials hindered the ability to view the building interior in its entirety. There may be areas of chases or crawl spaces that have the potential to contain concealed ACM.

It appears that insulated pipe had been removed within the structure and asbestos containing pipe insulation may have been scattered within the building and mixed with the debris observed on the floor. An area of pipe insulation identified in the basement proved positive for asbestos.

This asbestos survey investigated the presence of accessible suspect ACMs or those that could be exposed with limited hand tool and destructive methods. Bergmann did not perform destructive testing within interior cavities and spaces



that may exist in inaccessible spaces or hidden by alteration or renovation. Additional suspect materials may remain hidden within columns, chases, and hidden wall cavities or located beneath flooring, concrete floor or pavement. Should suspect material be uncovered during renovation or demolition, the material should be sampled and analyzed to confirm or deny the presence of asbestos.

This ACM survey report presents our findings and is not to be used as a bid document, work plan or in place of an asbestos abatement design for conducting asbestos abatement. This ACM survey was limited to the scope as part of the proposed site plan and onsite limitations as of the May 2019 sampling event. Changes to this plan or scope of work may require additional sampling and analysis of materials.

6.0 Asbestos Containing Materials Report Notification

In accordance with New York State Asbestos Regulations under 12 NYCRR Part 56 (Industrial Code Rule 56) Subpart 56-5.1(g), one copy of the results of the building/structure asbestos survey shall be **immediately** transmitted by the building/structure owner as follows:

- The completed asbestos survey for controlled demolition (as per Subpart 56-11.5) or pre-demolition asbestos projects shall be submitted to the appropriate **Asbestos Control Bureau** District office. The bureau office for this project is the Syracuse District Office: 450 South Salina Street, Syracuse, New York, phone: (213) 497-3215 fax: (315) 479-3333.
- One (1) copy of the completed ACM survey shall be sent by the owner or their agency to the local government entity charged with issuing a permit for demolition, renovation, remodeling or repair work under applicable State or local laws.
- The completed asbestos survey shall be kept at the construction site throughout the duration of the demolition, renovation, remodeling or repair work.



APPENDIX A:
**Bergmann Asbestos Licenses, Worker Certifications,
and Laboratory Certifications**

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Bergmann Associates, Architects, Engineers,
Landscape Architects & Surveyors, D.P.C.
Suite 200
280 East Broad Street
Rochester, NY 14604

FILE NUMBER: 03-0147
LICENSE NUMBER: 29822
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 05/15/2019
EXPIRATION DATE: 05/31/2020

Duly Authorized Representative – Jim Marschner:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director
For the Commissioner of Labor

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



CASH R BLEIER
CLASS(EXPIRES)
D INSP(02/20)

CERT# 17-36495
DMV# 812999079

MUST BE CARRIED ON ASBESTOS PROJECTS

REPRODUCTION PROHIBITED

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



SKYLAR J FRANUS
CLASS(EXPIRES)
D INSP(01/20)

CERT# 18-44630
DMV# 597279951

MUST BE CARRIED ON ASBESTOS PROJECTS

REPRODUCTION OF THIS CERTIFICATE IS PROHIBITED

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



ARIADNA CHEREMETEFF
CLASS(EXPIRES)
D INSP(08/19)

CERT# 10-07486
DMV# 375787691

MUST BE CARRIED ON ASBESTOS PROJECTS

ASBESTOS CERTIFICATE

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200530-0

Paradigm Environmental Services, Inc.
Rochester, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2018-07-01 through 2019-06-30

Effective Dates

A handwritten signature in black ink, appearing to read "John S. Lamm".

For the National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.

179 Lake Avenue

Rochester, NY 14608

Ms. Rebecca Roztocil

Phone: 585-647-2530 Fax: 585-647-3311

Email: rroztocil@paradigmenv.com

<http://www.paradigmenv.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 200530-0

Bulk Asbestos Analysis

Code

Description

18/A01

EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

18/A03

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

Code

Description

18/A02

U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

A handwritten signature in black ink, appearing to read "Dana S. Laman".

For the National Voluntary Laboratory Accreditation Program

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2020
Issued April 01, 2019

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. STEVE DEVITO
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 6010C
Lead in Paint	EPA 6010C

Sample Preparation Methods

EPA 3050B

NEW
YORK
STATE

Department
of Health

Serial No.: 59505

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



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ROCHESTER, NY 14608

NY Lab Id No: 10958

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:*

Metals I

Lead, Total NIOSH 7303

Miscellaneous

Asbestos 40 CFR 763 APX A No. III

NIOSH 7402

Fibers NIOSH 7400 A RULES

NEW
STATE

Department
of Health

Serial No.: 59507

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



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ROCHESTER, NY 14608

NY Lab Id No: 10958

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved analytes are listed below:*

Metals II

Beryllium, Total NIOSH 7303

Metals III

Chromium, Total NIOSH 7303



Serial No.: 59506

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



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NY Lab Id No: 10958

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ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:*

Metals I

Lead, Total NIOSH 7303

Miscellaneous

Asbestos 40 CFR 763 APX A No. III

NIOSH 7402

Fibers

NIOSH 7400 A RULES

NEW
YORK
STATE

Department
of Health

Serial No.: 59507

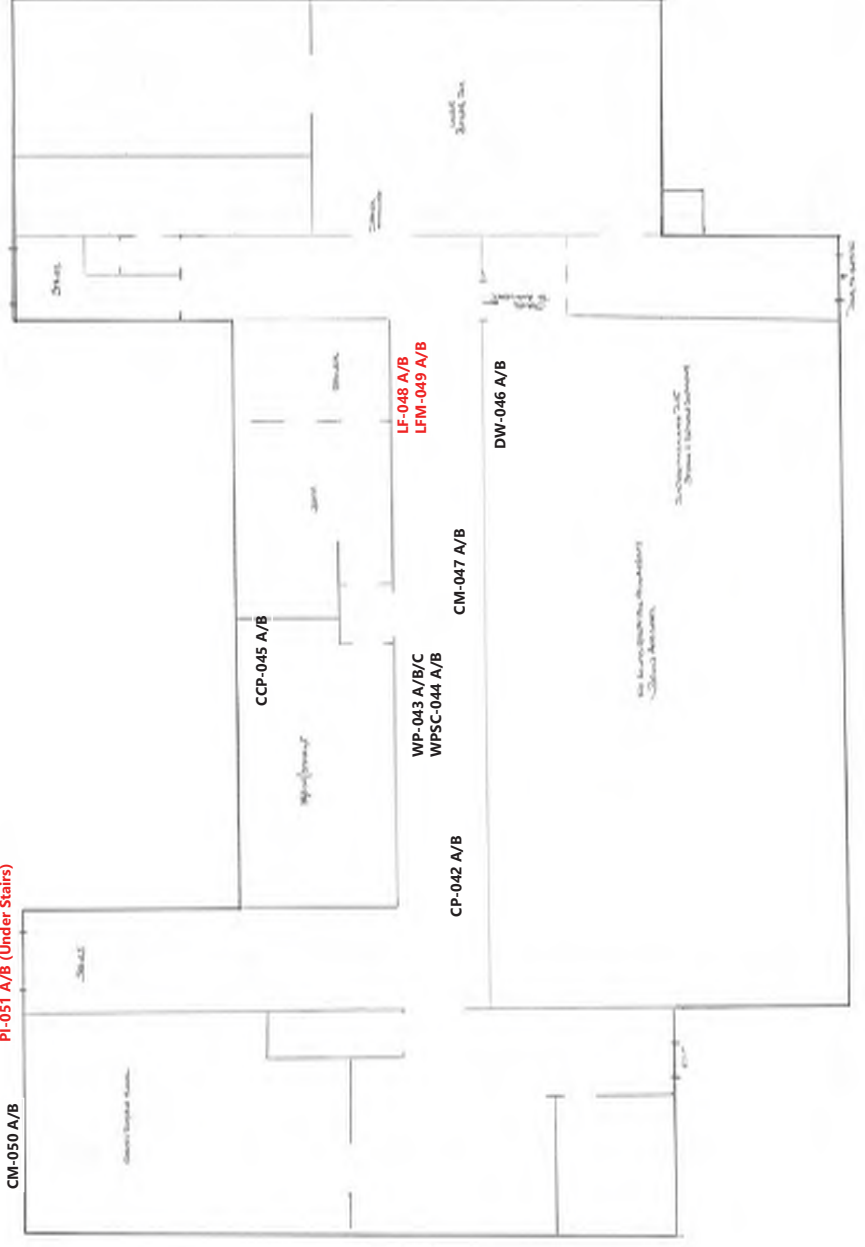
Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 486-5570 to verify the laboratory's accreditation status.



APPENDIX B: Sample Location Plans

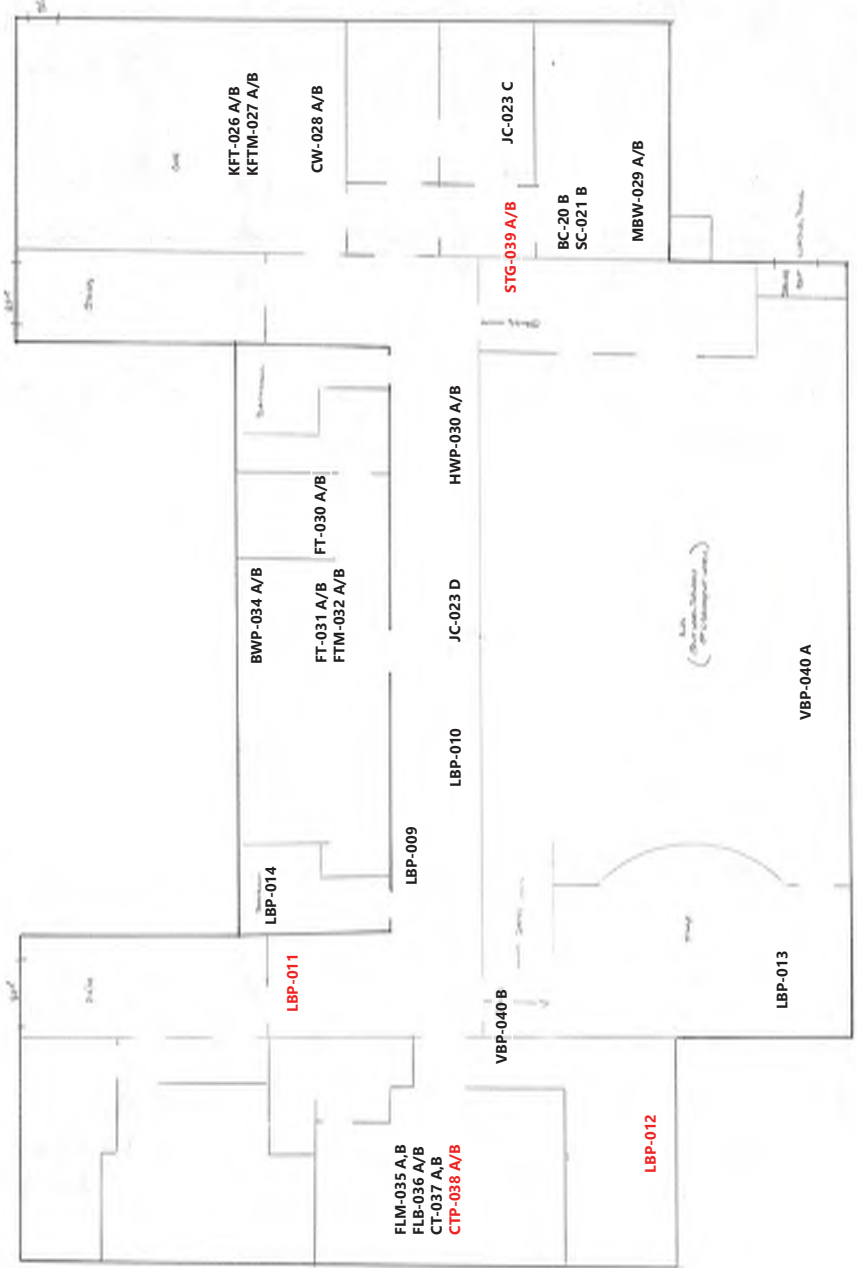


Change Order
1/1/2012
3/20/12
1/1/12



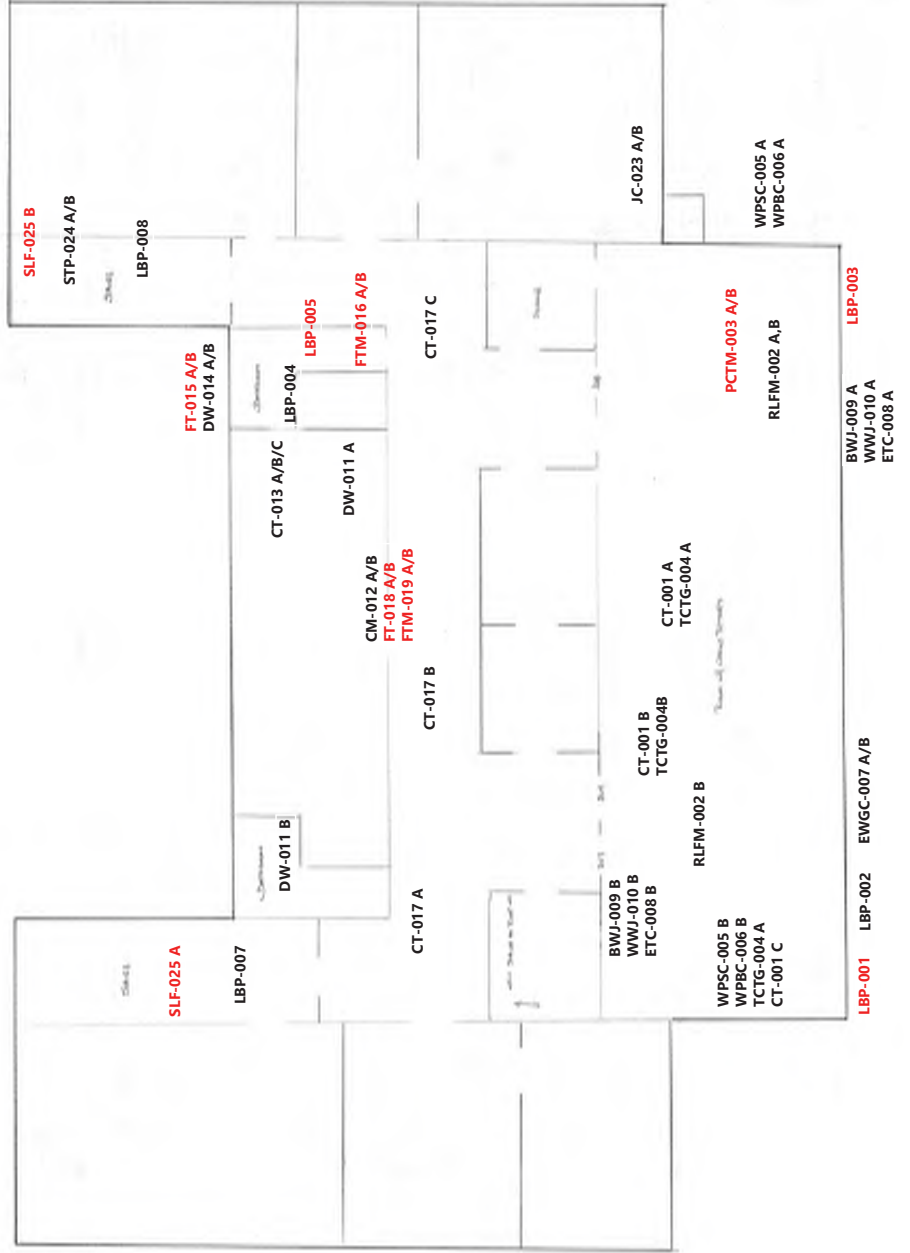


1/2" Scale
Map to 2004C





2/1/2014
M/S. S. S. S.





APPENDIX C:
Laboratory Analytical Reports and Chain-of-Custody
Forms



PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19
Page: 1 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
CT-001A	36853	12"x12" White Glued Ceiling Tile	White Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	N/A	Mineral Wool 2%	98%
CT-001B	36854	12"x12" White Glued Ceiling Tile	White Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	N/A	Mineral Wool 1%	99%
CT-001C	36855	12"x12" White Glued Ceiling Tile	White Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	N/A	Mineral Wool 2%	98%
RLFM-002A	36856	Rolled Linoleum Floor Mastic	Black Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	N/A	None Detected	100%
RLFM-002B	36857	Rolled Linoleum Floor Mastic	Black Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	N/A	None Detected	100%
PCTM-003A	36858	Puck Ceiling Tile Mastic Off of CT-001	Black Mastic	Chrysotile 1.2%	1.2%	✓	Not Required	N/A	None Detected	98.8%
PCTM-003B	36859	Puck Ceiling Tile Mastic Off of CT-001	Black Mastic	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
TCTG-004A	36860	Tan Ceiling Tile Glue About CT-001	Tan Glue	Inconclusive No Asbestos Detected	0%	✓	None Detected	N/A	None Detected	100%
TCTG-004B	36861	Tan Ceiling Tile Glue About CT-001	Tan Glue	Inconclusive No Asbestos Detected	0%	✓	None Detected	N/A	None Detected	100%
WPSC-005A	36862	Gray Wall Plaster Skim Coat	Gray Plaster	None Detected	0%		Not Required	N/A	None Detected	100%

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

∨ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #221797

Analyst: T. Ma

TEM Date Analyzed: 5/23/2019

TEM Analyst: A. Voldbakken

ELAP ID No.: 10958

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: **Bergmann Associates**
Location: **Lyons Falls, New York**

Job No: 4374-19
Page: 2 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
WPSC-005B	36863	Gray Wall Plaster Skim Coat	Gray Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
BWPBC-007A	36864	Wall Plaster Base Coat	Gray Plaster	None Detected	0%		Not Required	N/A	Cellulose 1%	99%
BWPBC-007B	36865	Wall Plaster Base Coat	Gray Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
EGWC-007A	36866	Exterior Gray Window Caulk	Gray Caulk	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
EGWC-007B	36867	Exterior Gray Window Caulk	Gray Caulk	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
ETC-008A	36868	Electrical Tape Cover	Blue Tape	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
ETC-008B	36869	Electrical Tape Cover	Blue Tape	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
BWJ-009A	36870	Wire Jacket	Black Wire Jacket	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Mineral Wool 2%	98%
BWJ-009B	36871	Wire Jacket	Black Wire Jacket	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
WWJ-010A	36872	Wire Jacket	White Wire Jacket	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Mineral Wool 1%	100%

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).
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 # denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
 X denotes sample prepped only by ELAP Method 198.6.
 ** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.
 Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") per EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #221797

Analyst: T. Ma

TEM Date Analyzed: 5/23/2019

TEM Analyst: A. Voldbakken

ELAP ID No.: 10958

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 4 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
DW-011A	36874	Playroom Drywall	White Drywall	None Detected	0%		Not Required	N/A	Cellulose 1%	99%
DW-011B	36875	Playroom Drywall	White Drywall	None Detected	0%		Not Required	N/A	Cellulose 1%	99%
CM-012A	36876	Tan Carpet Mastic	Tan Carpet Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
CM-012B	36877	Tan Carpet Mastic	Tan Carpet Mastic	Inconclusive No Asbestos Detected	0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
CT-013A	36878	Playroom Ceiling Tile	White 2'x2' Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
CT-013B	36879	Playroom Ceiling Tile	White 2'x2' Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
CT-013C	36880	Playroom Ceiling Tile	White 2'x2' Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
DW-014A	36881	Drywall in Boys Bathroom	White Drywall	None Detected	0%		Not Required	N/A	Cellulose 1% Fiberglass 1%	98%
DW-014B	36882	Drywall in Boys Bathroom	White Drywall	None Detected	0%		Not Required	N/A	Cellulose 1% Fiberglass 1%	98%
FT-015A	36883	Boys Bathroom Floor Tile	Beige Floor Tile	Chrysotile 1.3%	1.3%	✓	Not Required	N/A	None Detected	98.7%

KEY TO NOB COLUMN SYMBOLS

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 X denotes sample prepped only by ELAP Method 198.6.
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 Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #221797

Analyst: T. Ma

TEM Date Analyzed: 5/23/2019

TEM Analyst: A. Voldbakken

ELAP ID No.: 10958

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 5 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
FT-015B	36884	Boys Bathroom Floor Tile	Beige Floor Tile	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
FTM-016A	36885	Floor Tile-015 Mastic	Yellow Fibrous Floor Tile Mastic	Chrysotile 11%	11%	√	Not Required	N/A	None Detected	89%
FTM-016B	36886	Floor Tile-015 Mastic	Yellow Floor Tile Mastic	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
CT-017A	36887	Second Floor Hallway Ceiling Tile	White 2'x4' Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
CT-017B	36888a	Second Floor Hallway Ceiling Tile	White 2'x4' Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
CT-017C	36888b	Second Floor Hallway Ceiling Tile	White 2'x4' Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
FT-018A	36889	Floor Tile	Gray Floor Tile	Chrysotile 2.4%	2.4%	√	Not Required	N/A	None Detected	97.6%
FT-018B	36890	Floor Tile	Gray Floor Tile	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
FTM-019A	36891	Floor Tile-018 Mastic	Gray Floor Tile Mastic	Inconclusive Trace Chrysotile Detected	<1.0%	√	None Detected	<1.0%	None Detected	100%
FTM-019B	36892	Floor Tile-018 Mastic	Gray Floor Tile Mastic	Inconclusive Trace Chrysotile Detected	<1.0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%

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Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

TEM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #221797

TEM Analyst: A. Voldbakken

Analyst: T. Ma

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 6 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
BC-020A	36893	Base Coat 2nd Floor Stairway	White Plaster	None Detected	0%		Not Required	N/A	Cellulose 5%	95%
BC-020B	36894	Base Coat 2nd Floor Stairway	White Plaster	None Detected	0%		Not Required	N/A	Cellulose 2%	98%

KEY TO NOB COLUMN SYMBOLS
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 Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ["Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples." for EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #221797

Analyst: T. Ma

TEM Date Analyzed: N/A

TEM Analyst: N/A

ELAP ID No.: 10958

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 7 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
SC-021A	36895	Skim Coat 2nd Floor Stairway	White Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
SC-021B	36896	Skim Coat 2nd Floor Stairway	White Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
JC-023A	36897	Joint Compound	White Joint Compound	None Detected	0%		Not Required	N/A	None Detected	100%
JC-023B	36898	Joint Compound	White Joint Compound	None Detected	0%		Not Required	N/A	None Detected	100%
JC-023C	36899	Joint Compound	White Joint Compound	None Detected	0%		Not Required	N/A	None Detected	100%
JC-023D	36900	Joint Compound	White Joint Compound	None Detected	0%		Not Required	N/A	None Detected	100%
STP-024A	36901	2nd Floor Textured Paint	White Paint	None Detected	0%		Not Required	N/A	None Detected	100%
STP-024B	36902	2nd Floor Textured Paint	White Paint	None Detected	0%		Not Required	N/A	None Detected	100%
SLF-025A	36903	2nd Floor Landing	Black Flooring	Chrysotile 7.1%	7.1%	√	Not Required	N/A	None Detected	92.9%
SLF-025B	36904	2nd Floor Landing	Black Flooring	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A

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 √ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
 √ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.
 # denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
 X denotes sample prepped only by ELAP Method 198.6.
 ** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.
 Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/22/2019

Microscope: Olympus BH-2 #221797

Analyst: T. Ma

TEM Date Analyzed: N/A

TEM Analyst: N/A

ELAP ID No.: 10958

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: **Bergmann Associates**
Location: **Lyons Falls, New York**

Job No: 4374-19B
Page: 8 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
KFT-026A	36905	Kitchen Floor Tile	White Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
KFT-026B	36906	Kitchen Floor Tile	White Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
KFTM-027A	36907	Kitchen Floor Tile-026 Mastic	Beige Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
KFTM-027B	36908	Kitchen Floor Tile-026 Mastic	Beige Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
CW-028A	36909	Café Wallpaper	Blue Wallpaper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
CW-028B	36910	Café Wallpaper	Blue Wallpaper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
MBW-029A	36911	Master Bedroom Wallpaper	Pink Wallpaper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
MBW-029B	36912	Master Bedroom Wallpaper	Pink Wallpaper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
HWP-030A	36913	Hallway Wallpaper	Green Wallpaper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
HWP-030B	36914	Hallway Wallpaper	Green Wallpaper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

∨ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ["Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples."] or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



ELAP ID No.: 10958

Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/22/2019

TEM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #221797

TEM Analyst: A. Voldbakken

Analyst: T. Ma

Laboratory Results Approved By: _____
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 9 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
FT-031A	36915	Room 105 Floor Tile	Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
FT-031B	36916	Room 105 Floor Tile	Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%

KEY TO NOB COLUMN SYMBOLS
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 Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).

NVLAP
TESTING
 Lab Code 200530-0 for PLM Analysis
PLM Date Analyzed: 5/22/2019
Microscope: Olympus BH-2 #221797
Analyst: T. Ma

TEM Date Analyzed: 5/23/2019
TEM Analyst: A. Voldbakken

ELAP ID No.: 10958

Laboratory Results Approved By: _____
Asbestos Operations Manager or Designee *Mary Dohr*

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 10 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
FTM-032A	36917	Floor Tile-031 Mastic	Beige Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
FTM-032B	36918	Floor Tile-031 Mastic	Beige Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
FT-033A	36919	Bathroom Off of Room 105 Floor Tile	Beige Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Mineral Wool 5%	95%
FT-033B	36920	Bathroom Off of Room 105 Floor Tile	Beige Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Mineral Wool 5%	95%
BWP-034A	36921	Bathroom Wallpaper	Blue Wallpaper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
BWP-034B	36922	Bathroom Wallpaper	Blue Wallpaper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
FLM-035A	36923	Floor Board Mastic	Tan Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Mineral Wool 5%	95%
FLM-035B	36924	Floor Board Mastic	Tan Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Mineral Wool 5%	95%
FLB-036A	36925	Woodshop Lino Floor	Tan Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Mineral Wool 2%	98%
FLB-036B	36926	Woodshop Lino Floor	Tan Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Mineral Wool 2%	98%

KEY TO NOB COLUMN SYMBOLS

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denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples;" or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #221797

Analyst: T. Ma

TEM Date Analyzed: 5/23/2019

TEM Analyst: A. Voldbakken

ELAP ID No.: 10958

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: **Bergmann Associates**
Location: **Lyons Falls, New York**

Job No: 4374-19B
Page: 11 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
CT-037A	36927	Ceiling Tile	White 12"x12" Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
CT-037B	36928	Ceiling Tile	White 12"x12" Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
CT-037C	36929	Ceiling Tile	White 12"x12" Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
CTP-038A	36930	Ceiling Tile-037 Mastic Pucks	Brown Ceiling Tile Mastic	Inconclusive No Asbestos Detected	0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
CTP-038B	36931	Ceiling Tile-037 Mastic Pucks	Brown Ceiling Tile Mastic	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
STG-039A	36932	Auditorium Stair Tread Mastic	Yellow Fibrous Mastic	Chrysotile 17%	17%	✓	Not Required	N/A	None Detected	83%
STG-039B	36933	Auditorium Stair Tread Mastic	Yellow Mastic	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
VBP-040A	36934	Vapor Barrier Paper	Black Vapor Barrier	<1.0% Residue Remaining, PLM and TEM Not Required.	N/A	X	N/A	N/A	N/A	N/A
VBP-040B	36935	Vapor Barrier Paper	Black Vapor Barrier	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
WP-041A	36936	Wall Patch	White Joint Compound	None Detected	0%		Not Required	N/A	None Detected	100%

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denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

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PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-B2-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #221797

Analyst: T. Ma

TEM Date Analyzed: 5/23/2019

TEM Analyst: A. Voldbakken

ELAP ID No.: 10958

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 12 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
WP-041B	36937	Wall Patch	White Joint Compound	None Detected	0%		None Detected	N/A	None Detected	100%

KEY TO NOB COLUMN SYMBOLS
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PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).

NVLAP[®]
TESTING
 Lab Code 200530-0 for PLM Analysis
PLM Date Analyzed: 5/23/2019
Microscope: Olympus BH-2 #221797
Analyst: T. Ma

ELAP ID No.: 10958

TEM Date Analyzed: N/A
TEM Analyst: N/A

Laboratory Results Approved By: _____
Asbestos Operations Manager or Designee *Mary Dohr*
 Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: **Bergmann Associates**
Location: **Lyons Falls, New York**

Job No: 4374-19B
Page: 13 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
CP-042A	36938	Ceiling Plaster	Dark Gray Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CP-042B	36939	Ceiling Plaster	Dark Gray Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WP-043A	36940	Wall Plaster	Gray Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WP-043B	36941	Wall Plaster	Gray Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WP-043C	36942	Wall Plaster	Gray Plaster	No Sample Present	N/A		N/A	N/A	N/A	N/A
WPSC-044A	36943	Wall Plaster-043 Skim Coat	Gray Wallpaper	None Detected	0%		Not Required	N/A	None Detected	100%
WPSC-044B	36944	Wall Plaster-043 Skim Coat	Gray Wallpaper	None Detected	0%		Not Required	N/A	None Detected	100%
CCP-045A	36945	Custodian Closet Ceiling Plaster	Gray Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CCP-045B	36946	Custodian Closet Ceiling Plaster	Gray Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
DW-046A	36947	Basement Drywall	White Drywall	None Detected	0%		Not Required	N/A	Cellulose 5%	95%

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

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PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") per EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #232953

Analyst: T. Bush

TEM Date Analyzed: N/A

TEM Analyst: N/A

ELAP ID No.: 10958

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 14 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
DW-046B	36948	Basement Drywall	White Drywall	None Detected	0%		Not Required	N/A	Cellulose 5%	95%
CM-047A	36949	Carpet Mastic Main Basement Hallway	Brown Carpet Mastic	Inconclusive No Asbestos Detected	0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
CM-047B	36950	Carpet Mastic Main Basement Hallway	Brown Carpet Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
LF-048A	36951	Basement Linoleum Floor Tile	Brown Fibrous Floor Tile	Chrysotile 21%	21%	#	Not Required	N/A	None Detected	79%
LF-048B	36952	Basement Linoleum Floor Tile	Brown Floor Tile	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
LFM-049A	36953	LF-048 Mastic	Beige Fibrous Floor Tile Mastic	Chrysotile 24%	24%	√	Not Required	N/A	None Detected	76%
LFM-049B	36954	LF-048 Mastic	Beige Floor Tile Mastic	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
CM-050A	36955	Chimney Mortar	Gray Mortar	None Detected	0%		Not Required	N/A	None Detected	100%
CM-050B	36956	Chimney Mortar	Gray Mortar	None Detected	0%		Not Required	N/A	None Detected	100%
PI-051A	36957	Pipe Insulation	White Fibrous Insulation	None Detected	0%		Not Required	N/A	Mineral Wool 100%	0%

KEY TO NOB COLUMN SYMBOLS

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PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



ELAP ID No.: 10958

Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

TEM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #232953

TEM Analyst: F. Weinman

Analyst: T. Bush

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 1 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
PI-051B	36958	Pipe Insulation	White Fibrous Insulation	Chrysotile 80%	80%		Not Required	N/A	None Detected	20%

KEY TO NOB COLUMN SYMBOLS
 No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).
 ✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
 √ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.
 # denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
 X denotes sample prepped only by ELAP Method 198.6.
 ** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.
 Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019
Microscope: Olympus BH-2 #232953
Analyst: T. Bush

TEM Date Analyzed: N/A
TEM Analyst: N/A

ELAP ID No.: 10958

Laboratory Results Approved By: Mary Dohr
Asbestos Operations Manager or Designee

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: **Bergmann Associates**
Location: **Lyons Falls, New York**

Job No: 4374-19B
Page: 16 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
RVS-052A	36959	Roof Vent Sealant	Black Fibrous Sealant	Chrysotile 28%	28%	✓	Not Required	N/A	None Detected	72%
RVS-052B	36960	Roof Vent Sealant	Black Sealant	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
FP-053A	36961	Roof Fire Paper	Black Fibrous Paper	Chrysotile 18%	18%	✓	Not Required	N/A	None Detected	82%
FP-053B	36962	Roof Fire Paper	Black Paper	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
FS-054A	36963	Roof Fire Sealant	Black Sealant	Chrysotile 9.4%	9.4%	✓	Not Required	N/A	None Detected	90.6%
FS-054B	36964	Roof Fire Sealant	Black Sealant	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
CRT-055A	36965	Chimney Repair Tar	Black Tar	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
CRT-055B	36966	Chimney Repair Tar	Black Tar	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
CSS-056A	36967	Coping Stone Seal	Black Fibrous Sealant	Chrysotile 11%	11%	✓	Not Required	N/A	None Detected	89%
CSS-056B	36968	Coping Stone Seal	Black Sealant	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

∇ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #221797

Analyst: T. Ma

TEM Date Analyzed: 5/23/2019

TEM Analyst: F. Weinman

ELAP ID No.: 10958

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: **Bergmann Associates**
Location: **Lyons Falls, New York**

Job No: 4374-19B
Page: 17 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
RC-057A	36969	Roofing Core Top Layer	Black Roof Core	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
RC-057B	36970	Roofing Core Top Layer	Black Roof Core	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
DRL2-058A	36971	Roofing Core Second Layer	Black Fibrous Roof Core	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 15%	85%
DRL2-058B	36972	Roofing Core Second Layer	Black Fibrous Roof Core	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 10%	90%
DRL1-059A	36973	Roof Core First Layer	Black Roof Core	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
DRL1-059B	36974	Roof Core First Layer	Black Roof Core	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
WFC-060A	36975	Wood Frame Window Caulk	White Caulk	Chrysotile 2.9%	2.9%	#	Not Required	N/A	None Detected	97.1%
WFC-060B	36976	Wood Frame Window Caulk	White Caulk	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
WFC-061A	36977	Wood Frame Window Caulk	White Caulk	Inconclusive No Asbestos Detected	0%	#	Stop Positive ** No TEM	N/A	None Detected	100%
WFC-061B	36978	Wood Frame Window Caulk	White Caulk	Chrysotile 4.6%	4.6%	#	Not Required	N/A	None Detected	95.4%

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

∇ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") per EPA 600/M4-02-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



ELAP ID No.: 10958

Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

TEM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #221797

TEM Analyst: F. Weinman

Analyst: T. Ma

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 18 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
PC-062A	36979	Fiberglass Panel Caulk	Gray Caulk	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
PC-062B	36980	Fiberglass Panel Caulk	Gray Caulk	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
FGWP-063A	36981	Fiberglass Window Panel	Gray Fibrous Paneling	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 20%	80%
FGWP-063B	36982	Fiberglass Window Panel	Gray Fibrous Paneling	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 18%	82%
WFC-064A	36983	Window Frame Caulk	White Caulk	Chrysotile 4.3%	4.3%	#	Not Required	N/A	None Detected	95.7%
WFC-064B	36984	Window Frame Caulk	White Caulk	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
WFC-065A	36985	Window Frame Caulk on Front Windows	White Caulk	Inconclusive No Asbestos Detected	0%	#	Stop Positive ** No TEM	N/A	None Detected	100%
WFC-065B	36986	Window Frame Caulk on Front Windows	White Caulk	Chrysotile 4.4%	4.4%	#	Not Required	N/A	None Detected	95.6%
WG-067A	36987	Front Window Glaze	White Window Glaze	Chrysotile 4.6%	4.6%	#	Not Required	N/A	None Detected	95.4%
WG-067B	36988a	Front Window Glaze	White Window Glaze	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

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✓ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

PLM Date Analyzed: 5/23/2019

Microscope: Olympus BH-2 #232953

Analyst: T. Bush

TEM Date Analyzed: 5/23/2019

TEM Analyst: F. Weinman

ELAP ID No.: 10958

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr
Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Bergmann Associates
Location: Lyons Falls, New York

Job No: 4374-19B
Page: 19 of 26

Sample Date: 5/14-15/2019

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
WG-022A	36988b	203-208	Gray Window Glaze	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
WG-022B	36988c	203-208	Gray Window Glaze	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%

KEY TO NOB COLUMN SYMBOLS
 No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).
 v NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
 V denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.
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 X denotes sample prepped only by ELAP Method 198.6.
 ** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.
 Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).

NVLAP
TESTING
 Lab Code 200530-0 for PLM Analysis
PLM Date Analyzed: 5/23/2019
Microscope: Olympus BH-2 #232953
Analyst: T. Bush

ELAP ID No.: 10958

TEM Date Analyzed: 5/23/2019
TEM Analyst: F. Weinman

Laboratory Results Approved By: Mary Dohr
Asbestos Operations Manager or Designee

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CHAIN OF CUSTODY FOR BULK ASBESTOS ANALYSIS

179 Lake Avenue, Rochester, New York 14608
 1815 Love Road, Grand Island, New York 14072
 Office: 585-647-2530
 Office: 716-775-5777

Client: Bergmann	Contact: Cash Bleier	Job #: 4374-19
Phone Number: 585-498-7950	Email Address for Data: cbleier@bergmannpc.com	Page: 1 of 7
Results To: Cash Bleier	Turn Around Time: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> 7 <input type="checkbox"/> Other <input type="checkbox"/>	Date Logged In: 5/16/19
Date Sampled: 05/14/2019 & 05/15/2019	Material Type/Quantity: Pliable <input type="checkbox"/> NOB <input type="checkbox"/> TEM <input type="checkbox"/>	Logged In By: CB
Client Mailing Address: Bergmann 280 E Broad Street, Suite #200 Rochester, NY 14623	Project Location: Lyons Falls, New York	

*** STOP ON POSITIVE ***

Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	36853 855 854	12x12 white glude ceiling tile	white		ceiling tile
2	RLFM-002A,B	rolled linoleum floor mastic	black		mastic
3	PCTM-003A,B	puck ceiling tile mastic off off CT-001	black		mastic
4	TCTG-004A,B	Tan ceiling tile glue above CT-001	tan		glue
5	WPSC-005A,B	gray wall plaster skim coat	gray		plaster
6	007A,BWPBC-	wall plaster base coat	gray		plaster
7	EGWC-007A,B	exterior gray window caulk	gray		caulk
8	ETC-008A,B	electrical tape cover	blue		tape
9	BWJ-009A,B	wire jacket	black		wire jacket
#	WWJ-010A,B	wire jacket	white		wire jacket

Sampled By: A. Chemereff, J. Marschner, C. Bleier, S. Francis	Date: 05/14/2019 & 05/15/2019	All samples will be analyzed by the appropriate New York State Department of Health methods (198.1.198.4 and 198.6) unless EPA 600/N4/82/020 per 40 CFR 763 and/or EPA 600/R-93/116 methods are requested. CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS <input checked="" type="checkbox"/> or provide TEM contact name: _____ TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY: 136
Transported to Paradigm By: C. Bleier	Date: 5/16/2019	
Received By: <i>Gwen Blythe</i>	Date: 5-16-19 1842	

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

STOP POSITIVE



CHAIN OF CUSTODY FOR BULK ASBESTOS ANALYSIS

179 Lake Avenue, Rochester, New York 14608
 1815 Love Road, Grand Island, New York 14072
 Office: 585-647-2530
 Office: 716-775-5777

Client: Bergmann	Contact: Cash Bleier	Job #: 4374-14
Phone Number: 585-498-7950	Email Address for Data: cbleier@bergmannpc.com	Page: 2 of 7
Results To: Cash Bleier	Turn Around Time: 5/23	Date Logged In: 5-16-19
Date Sampled: 05/14/2019 & 05/15/2019	Material Type/Quantity: Friable NOB TEM	Logged In By: GB
Client Mailing Address: Bergmann 280 E Broad Street, Suite #200 Rochester, NY 14623	Project Location: Lyons Falls, New York	

*** STOP ON POSITIVE ***

Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	DW-011A,B 36874 875	playroom drywall	white		drywall
2	CM-012A,B 876 877	tan carpet mastic	tan		mastic
3	CT-013 A,B,C 878 830 879	playroom ceiling tile 2x2	white		ceiling tile
4	DW-014A,B 881 882	drywall in boys bathroom	white		drywall
5	FT-015A,B 883 884	boys bathroom floor tile	beige		floor tile
6	FTM-016A,B 885 886	FT-015 mastic	yellow		mastic
7	CT-017A,B,C 887 888A	B second floor tan hallway ciling tile 2x4	white		ceiling tile
8	FT-018A,B 889 890	12x12 floor tile	grey		floor tile
9	FTM-019A,B 891 892	FT-018 mastic	grey		mastic
#	BC-020A,B 893 894	base coat 2nd floor stairway	white		plaster

Sampled By: A. Cheremetteff, J. Marschner, C. Bleier, S. Francio5/14/2019 & 05/15/2019	Date:
Transported to Paradigm By: C. Bleier	Date: 5/16/2019
Received By: <i>Chester Blyden</i>	Date: 5-16-19 18:47

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1,198.4 and 198.6) unless EPA 600/M4/82/020 per 40 CFR 763 and/or EPA 600/R-93/116 methods are requested.

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS

or provide TEM contact name: _____

TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY: 136

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).
 STOP POSITIVE



CHAIN OF CUSTODY FOR BULK ASBESTOS ANALYSIS

179 Lake Avenue, Rochester, New York 14608
 1815 Love Road, Grand Island, New York 14072
 Office: 585-647-2530
 Office: 716-775-5777

Client Mailing Address: Bergmann 280 E Broad Street, Suite #200 Rochester, NY 14623	Client: Bergmann	Contact: Cash Bleier	Job #: 4374-19
Date Sampled: 05/14/2019 & 05/15/2019	Phone Number: 585-498-7950	Email Address for Data: cbleier@bergmannpc.com	Page 3 of 7
Results To: Cash Bleier	Turn Around Time: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5X <input checked="" type="checkbox"/> 5/23 Other <input type="checkbox"/>	Material Type/Quantity: Friable <input type="checkbox"/> NOB <input type="checkbox"/> TEM <input type="checkbox"/>	Date Logged In: 5-16-19
Project Location: Lyons Falls, New York	Logged In By: (b)		

*** STOP ON POSITIVE ***

Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	SC-021A,B	36895 896 skim coal 2nd floor stairway	white		plaster
2	JC-023A,B,C,D	897 898 899 900 joint compound	white		joint compound
3	STP-024A,B	901 902 2nd floor textured paint	white		paint
4	SLF-025A,B	903 904 2nd floor landing	black		flooring
5	KFT-026A,B	905 906 kitchen floor tile	white		floor tile
6	KFTM-027A,B	907 908 KFT-026 mastic	beige		mastic
7	CW-028A,B	909 910 café wallpaper	blue		wall paper
8	MBW-029A,B	911 912 master bedroom wall paper	pink		wall paper
9	HWP-030A,B	913 914 hallway wall paper	green		wall paper
#	FT-031 A,B	915 916 room 105 floor tile 12x12	black		floor tile

Sampled By: A. Cheremeteff, J. Marschner, C. Bleier, S. Francio	Date: 05/14/2019 & 05/15/2019	All samples will be analyzed by the appropriate New York State Department of Health methods (198.1, 198.4 and 198.6) unless EPA 600/M4/82/020 per 40 CFR 763 and/or EPA 600/R-93/116 methods are requested. CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS <input checked="" type="checkbox"/> or provide TEM contact name: _____ TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY: 136
Transported to Paradigm By: C. Bleier	Date: 5/16/2019	
Received By: <i>C. Bleier</i>	Date: 5-16-19 18:49	

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STOP POSITIVE



CHAIN OF CUSTODY FOR BULK ASBESTOS ANALYSIS

179 Lake Avenue, Rochester, New York 14608
 Office: 585-647-2530
 1815 Love Road, Grand Island, New York 14072
 Office: 716-775-5777

Client: Bergmann	Contact: Cash Bleier	Job #: 4324-19
Phone Number: 585-498-7950	Email Address for Data: cbleier@bergmannpc.com	Page: 4 of 7
Results To: Cash Bleier	Turn Around Time: 5/23 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 5X <input type="checkbox"/> Other	Date Logged In: 5-16-19
Date Sampled: 05/14/2019 & 05/15/2019	Material Type/Quantity: NOB TEM Friable <input type="checkbox"/> TEM <input type="checkbox"/>	Logged In By: CB
Client Mailing Address: Bergmann 280 E Broad Street, Suite #200 Rochester, NY 14623	Project Location: Lyons Falls, New York	

*** STOP ON POSITIVE ***

Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	FTM-032A,B 36917 918	FT-031 mastic	beige		mastic
2	FT-033 A,B 919 920	bathroom off of Rm 105 floor tile (mastic too, lab to separate)	beige		floor tile
3	BWP-034 A,B 921 922	bathroom wall paper	blue		wall paper
4	FLM-035A,B 923 924	floor board mastic	tan		mastic
5	FLB-036A,B 925 926	woodshop lino floor	tan		floor tile
6	CT-037 A,B,C 927 928 929	12x12 white glue ceiling tile	white		ceiling tile
7	CTP-038 A,B 930 931	CT-037 mastic pucks	brown		mastic
8	STG-039 A,B 932 933	Auditorium stair treat mastic	yellow		mastic
9	VBP-040 A,B 934 935	vapor barrier paper	black		paper
#	WP-041 A,B 936 937	white wall patch	white		joint compound

Sampled By: A. Cheremeteff, J. Marschner, C. Bleier, S. Francio	Date: 05/14/2019 & 05/15/2019
Transported to Paradigm By: C. Bleier	Date: 5/16/2019
Received By: <i>Amym Buzda</i>	Date: 5-16-19 18:52

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1, 198.4 and 198.6) unless EPA 600/M/4/82/020 per 40 CFR 763 and/or EPA 600/R-93/116 methods are requested.

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS

or provide TEM contact name: _____

TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY: 136

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

STOP POSITIVE



CHAIN OF CUSTODY FOR BULK ASBESTOS ANALYSIS

179 Lake Avenue, Rochester, New York 14608
 1815 Love Road, Grand Island, New York 14072

Office: 585-647-2530
 Office: 716-775-5777

Client: Bergmann	Contact: Cash Bleier	Job #: 4374-19
Phone Number: 585-498-7950	Email Address for Data: cbleier@bergmannpc.com	Page: 5 of 7
Results To: Cash Bleier	Turn Around Time: 5/23 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 5X <input type="checkbox"/> Other	Date Logged In: 5-16-19
Date Sampled: 05/14/2019 & 05/15/2019	Material Type/Quantity: NOB TEM	Logged In By: CB
Client Mailing Address: Bergmann 280 E Broad Street, Suite #200 Rochester, NY 14623	Project Location: Lyons Falls, New York	

*** STOP ON POSITIVE ***

Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	CP-042A,B	36938 939 ceiling plaster	dark grey		plaster
2	WP-043 A,B,C	940 941 942 wall plaster	grey		plaster
3	WPSC-044 A,B	943 944 WP-043 skim coat	grey		wall paper
4	CCP-045 A,B	945 946 custodian closet ceiling plaster	grey		plaster
5	DW-046 A,B	947 948 basement drywall	white		drywall
6	CM-047 A,B	949 950 carpet mastic main basement hall way	brown		mastic
7	LF-048 A,B	951 952 basement lino. Floor tile	brown		floor tile
8	LFM-049 A,B	953 954 LF-048 mastic	beige		mastic
9	CM-050A,B	955 956 chimney mortar	grey		mortar
#	PI-051A,B	957 958 pipe insulation	white		insulation

Sampled By: A. Cheremeteff, J. Marschner, C. Bleier, S. Francio	Date: 05/14/2019 & 05/15/2019	All samples will be analyzed by the appropriate New York State Department of Health methods (198.1, 198.4 and 198.6) unless EPA 600/N/4/82/020 per 40 CFR 763 and/or EPA 600/R-93/116 methods are requested. CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS <input checked="" type="checkbox"/> or provide TEM contact name: <input type="checkbox"/> TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY: <input type="text" value="136"/>
Transported to Paradigm By: C. Bleier	Date: 5/16/2019	
Received By: <i>Sharon Burda</i>	Date: 5-16-19 18:55	

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

STOP POSITIVE



CHAIN OF CUSTODY FOR BULK ASBESTOS ANALYSIS

179 Lake Avenue, Rochester, New York 14608 Office: 585-647-2530
 1815 Love Road, Grand Island, New York 14072 Office: 716-775-5777

Client Mailing Address: Bergmann 280 E Broad Street, Suite #200 Rochester, NY 14623	Client: Bergmann	Contact: Cash Bleier	Job #: 4374-19
	Phone Number: 585-498-7950	Email Address for Data: cbleier@bergmannpc.com	Page 6 of 7
	Results To Cash Bleier	Turn Around Time: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> X Other <input type="checkbox"/>	Date Logged In: 5.16.19
	Date Sampled 05/14/2019 & 05/15/2019	Material Type/Quantity: Priable NOB TEM	Logged In By: (6
	Project Location: Lyons Falls, New York		

*** STOP ON POSITIVE ***

Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	RVS-052 A,B 36759 960	roof vent sealant	black		sealant
2	FP-053 A,B 961 962	roof fire paper	black		paper
3	FS-054 A,B 963 964	roof fire sealant	black		sealant
4	CRT-055 A,B 965 966	chimney repair tar	black		tar
5	CSS-056 A,B 967 968	coping stone seal	black		sealant
6	RC-057A,B 969 970	roofing core top layer	black		roof core
7	DRL2-058 A,B 971 972	roofing core second layer	black		roof core
8	DRL1-059A,B 973 974	roof core first layer	black		roof core
9	WFC-060 A,B 975 976	wood frame window caulk	white		caulk
#	WFC-0061 A,B 977 978	wood frame window caulk	white		caulk

Sampled By: A. Chemeteff, J. Marschner, C. Bleier, S. Francio5/14/2019 & 05/15/2019	Date: 5/16/2019	All samples will be analyzed by the appropriate New York State Department of Health methods (198.1,198.4 and 198.6) unless EPA 600/N4/82/020 per 40 CFR 763 and/or EPA 600/R-93/116 methods are requested.
Transported to Paradigm By: C. Bleier	Date: 5/16/2019	
Received By: <i>C. Bleier</i>	Date: 5.16.19 1857	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS <input checked="" type="checkbox"/>
TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY:		136

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

STOP POSITIVE



CHAIN OF CUSTODY FOR BULK ASBESTOS ANALYSIS

179 Lake Avenue, Rochester, New York 14608
 1815 Love Road, Grand Island, New York 14072

Office: 585-647-2530
 Office: 716-775-5777

Client Mailing Address:
 Bergmann
 280 E Broad Street, Suite #200
 Rochester, NY 14623

Client: Bergmann
Phone Number: 585-498-7950
Results To: Cash Bleier
Date Sampled: 05/14/2019 & 05/15/2019
Project Location: Lyons Falls, New York

Contact: Cash Bleier
Email Address for Data: cbleier@bergmannpc.com
Turn Around Time: 1 2 3 5X 923 Other
Material Type/Quantity: Frable NOB TEM

OFFICE USE ONLY

Job #: 4374-19
 Page 7 of 7
 Date Logged In: 5-16-19
 Logged In By: lb

*** STOP ON POSITIVE ***

Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	PC-062 A,B	36479 980 fiberglass panel caulk	grey		caulk
2	FGWP-063 A,B	981 982 fiberglass window panel	grey		paneling
3	WFC-064 A,B	983 984 window frame caulk	white		caulk
4	WFC-065 A,B	985 986 window frame caulk on front windows	white		caulk
5	WG-067 A,B	987 988A front window glaze	white		glaze
6	WG-022A	988B 988C 203-208	gray		window glaze
7					
8					
9					
#					

Sampled By: A. Cheremeteff, J. Marschner, C. Bleier, S. Franci05/14/2019 & 05/15/2019
Date: 5/16/2019

Transported to Paradigm By: C. Bleier
Date: 5/16/2019

Received By: C. Bleier
Date: 5-16-19 18:59

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1, 198.4 and 198.6) unless EPA 600/4-82/020 per 40 CFR 763 and/or EPA 600/R-93/116 methods are requested.

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS
 or provide TEM contact name:
TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY: 136

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

STOP POSITIVE



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
Bergmann Associates

For Lab Project ID

192178

Referencing

Lyons Falls, NY

Prepared

Thursday, May 23, 2019

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, appearing to read "Gentler", is positioned above a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, May 23, 2019

Page 1 of 22



Client: Bergmann Associates

Project Reference: Lyons Falls, NY

Sample Identifier: LBP-001

Lab Sample ID: 192178-01

Date Sampled: 5/14/2019

Matrix: Paint

Date Received: 5/16/2019

Lead

Analyte	Result	Units	Qualifier	Date Analyzed
Lead	1.51	%		5/22/2019 21:26
Method Reference(s):	EPA 6010C EPA 3050B			
Preparation Date:	5/21/2019			
Data File:	190522B			



Client: Bergmann Associates

Project Reference: Lyons Falls, NY

Sample Identifier: LBP-002

Lab Sample ID: 192178-02

Date Sampled: 5/14/2019

Matrix: Paint

Date Received: 5/16/2019

Lead

Analyte	Result	Units	Qualifier	Date Analyzed
Lead	0.140	%		5/22/2019 21:30
Method Reference(s):	EPA 6010C EPA 3050B			
Preparation Date:	5/21/2019			
Data File:	190522B			



Client: Bergmann Associates

Project Reference: Lyons Falls, NY

Sample Identifier: LBP-003

Lab Sample ID: 192178-03

Date Sampled: 5/14/2019

Matrix: Paint

Date Received: 5/16/2019

Lead

Analyte	Result	Units	Qualifier	Date Analyzed
Lead	0.608	%		5/22/2019 21:34
Method Reference(s):	EPA 6010C EPA 3050B			
Preparation Date:	5/21/2019			
Data File:	190522B			



Client: Bergmann Associates

Project Reference: Lyons Falls, NY

Sample Identifier: LBP-005

Lab Sample ID: 192178-04

Date Sampled: 5/14/2019

Matrix: Paint

Date Received: 5/16/2019

Lead

Analyte	Result	Units	Qualifier	Date Analyzed
Lead	0.521	%		5/22/2019 21:38
Method Reference(s):	EPA 6010C EPA 3050B			
Preparation Date:	5/21/2019			
Data File:	190522B			



Client: Bergmann Associates

Project Reference: Lyons Falls, NY

Sample Identifier: LBP-006

Lab Sample ID: 192178-05

Date Sampled: 5/14/2019

Matrix: Paint

Date Received: 5/16/2019

Lead

Analyte	Result	Units	Qualifier	Date Analyzed
Lead	0.516	%		5/22/2019 21:42
Method Reference(s):	EPA 6010C EPA 3050B			
Preparation Date:	5/21/2019			
Data File:	190522B			



Client: Bergmann Associates

Project Reference: Lyons Falls, NY

Sample Identifier: LBP-007

Lab Sample ID: 192178-06

Date Sampled: 5/14/2019

Matrix: Paint

Date Received: 5/16/2019

Lead

Analyte	Result	Units	Qualifier	Date Analyzed
Lead	< 0.00534	%		5/22/2019 21:45
Method Reference(s):	EPA 6010C EPA 3050B			
Preparation Date:	5/21/2019			
Data File:	190522B			



Client: Bergmann Associates

Project Reference: Lyons Falls, NY

Sample Identifier: LBP-008

Lab Sample ID: 192178-07

Date Sampled: 5/14/2019

Matrix: Paint

Date Received: 5/16/2019

Lead

Analyte	Result	Units	Qualifier	Date Analyzed
Lead	< 0.00472	%		5/22/2019 21:50
Method Reference(s):	EPA 6010C			
	EPA 3050B			
Preparation Date:	5/21/2019			
Data File:	190522B			



Client: Bergmann Associates

Project Reference: Lyons Falls, NY

Sample Identifier: LBP-009

Lab Sample ID: 192178-08

Date Sampled: 5/14/2019

Matrix: Paint

Date Received: 5/16/2019

Lead

Analyte	Result	Units	Qualifier	Date Analyzed
Lead	< 0.00710	%		5/22/2019 21:54
Method Reference(s):	EPA 6010C EPA 3050B			
Preparation Date:	5/21/2019			
Data File:	190522B			



Client: Bergmann Associates

Project Reference: Lyons Falls, NY

Sample Identifier: LBP-010

Lab Sample ID: 192178-09

Date Sampled: 5/14/2019

Matrix: Paint

Date Received: 5/16/2019

Lead

Analyte	Result	Units	Qualifier	Date Analyzed
Lead	< 0.00548	%		5/22/2019 21:59
Method Reference(s):	EPA 6010C EPA 3050B			
Preparation Date:	5/21/2019			
Data File:	190522B			



Client: Bergmann Associates

Project Reference: Lyons Falls, NY

Sample Identifier: LBP-011

Lab Sample ID: 192178-10

Date Sampled: 5/14/2019

Matrix: Paint

Date Received: 5/16/2019

Lead

Analyte	Result	Units	Qualifier	Date Analyzed
Lead	1.10	%		5/22/2019 22:03
Method Reference(s):	EPA 6010C EPA 3050B			
Preparation Date:	5/21/2019			
Data File:	190522B			



Client: Bergmann Associates

Project Reference: Lyons Falls, NY

Sample Identifier: LBP-012

Lab Sample ID: 192178-11

Date Sampled: 5/14/2019

Matrix: Paint

Date Received: 5/16/2019

Lead

Analyte	Result	Units	Qualifier	Date Analyzed
Lead	0.735	%		5/22/2019 22:16
Method Reference(s):	EPA 6010C EPA 3050B			
Preparation Date:	5/21/2019			
Data File:	190522B			



Client: Bergmann Associates

Project Reference: Lyons Falls, NY

Sample Identifier: LBP-013

Lab Sample ID: 192178-12

Date Sampled: 5/14/2019

Matrix: Paint

Date Received: 5/16/2019

Lead

Analyte	Result	Units	Qualifier	Date Analyzed
Lead	0.183	%		5/22/2019 22:20
Method Reference(s):	EPA 6010C EPA 3050B			
Preparation Date:	5/21/2019			
Data File:	190522B			



Client: Bergmann Associates

Project Reference: Lyons Falls, NY

Sample Identifier: LBP-014A

Lab Sample ID: 192178-13

Date Sampled: 5/14/2019

Matrix: Paint

Date Received: 5/16/2019

Lead

Analyte	Result	Units	Qualifier	Date Analyzed
Lead	0.438	%		5/22/2019 22:24
Method Reference(s):	EPA 6010C EPA 3050B			
Preparation Date:	5/21/2019			
Data File:	190522B			



Client: Bergmann Associates

Project Reference: Lyons Falls, NY

Sample Identifier: LBP-015

Lab Sample ID: 192178-14

Date Sampled: 5/14/2019

Matrix: Paint

Date Received: 5/16/2019

Lead

Analyte	Result	Units	Qualifier	Date Analyzed
Lead	< 0.00463	%		5/22/2019 22:28
Method Reference(s):	EPA 6010C			
	EPA 3050B			
Preparation Date:	5/21/2019			
Data File:	190522B			



Client: Bergmann Associates

Project Reference: Lyons Falls, NY

Sample Identifier: LBP-016

Lab Sample ID: 192178-15

Date Sampled: 5/14/2019

Matrix: Paint

Date Received: 5/16/2019

Lead

Analyte	Result	Units	Qualifier	Date Analyzed
Lead	0.168	%		5/22/2019 22:32
Method Reference(s):	EPA 6010C EPA 3050B			
Preparation Date:	5/21/2019			
Data File:	190522B			



Client: Bergmann Associates

Project Reference: Lyons Falls, NY

Sample Identifier: LBP-014B

Lab Sample ID: 192178-16

Date Sampled: 5/14/2019

Matrix: Paint

Date Received: 5/16/2019

Lead

Analyte	Result	Units	Qualifier	Date Analyzed
Lead	0.330	%		5/23/2019 13:08

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 5/22/2019
Data File: 190523A



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



CHAIN OF CUSTODY

183

REPORT TO:

INVOICE TO:

CLIENT: Bergmann	CLIENT: Same	LAB PROJECT ID: 192178
ADDRESS: 280 E. Broad St, Suite 200	ADDRESS:	Quotation #: 192178
CITY: Rochester STATE: NY ZIP: 14604	CITY: STATE: ZIP:	Email: chleier@bergmannpc.com
PHONE: 585-498-7950	PHONE:	
ATTN: Cash Bleier	ATTN:	
Matrix Codes: AQ - Aqueous Liquid NA - Non-Aqueous Liquid	WA - Water WG - Groundwater	DW - Drinking Water WW - Wastewater
	SO - Soil SL - Sludge	SD - Solid PT - Paint
	WP - Wipe CK - Caulk	OL - Oil AR - Air

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRADES	SAMPLE IDENTIFIER	MATERIALS	CONTAINER	ANALYSIS	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
5/14/2019	12:00pm			LBP-001	PT	1	X	LEAD	5/17/19 on shell per AC	01
5/14/2019	12:00pm			LBP-002	PT	1	X	PCBs	Quota 0835-	02
5/14/2019	12:00pm			LBP-003	PT	1	X		5/17/19 1000 barrel	03
5/14/2019	12:00pm			LBP-005	PT	1	X		PCBs, non lead pt, per AC Quota	04
5/14/2019	12:00pm			LBP-006	PT	1	X			05
5/14/2019	12:00pm			LBP-007	PT	1	X			06
5/14/2019	12:00pm			LPB-008	PT	1	X			07
5/14/2019	12:00pm			LBP-009	PT	1	X			08
5/14/2019	12:00pm			LBP-010	PT	1	X			09
5/14/2019	12:00pm			LBP-011	PT	1	X			10

Turnaround Time	Report Supplements
Standard 5 day <input checked="" type="checkbox"/>	None Required <input checked="" type="checkbox"/>
10 day <input type="checkbox"/>	Batch QC <input type="checkbox"/>
Rush 3 day <input type="checkbox"/>	Category A <input type="checkbox"/>
Rush 2 day <input type="checkbox"/>	Category B <input type="checkbox"/>
Rush 1 day <input type="checkbox"/>	Other <input type="checkbox"/>
Other <input type="checkbox"/>	Other EDD <input type="checkbox"/>

Availability contingent upon lab approval; additional fees may apply.

Sampled By: C. Bleier Date/Time: 5/14/2019 and 5/15/2019 Total Cost:

Relinquished By: C. Bleier Date/Time: 5/16/2019 1430

Received By: *[Signature]* Date/Time: 5/16/19 1430 P.I.F.

Received @ Lab By: *[Signature]* Date/Time: 5/16/19 15:11

By signing this form, client agrees to Paradigm Terms and Conditions (reverse). See additional page for sample conditions.



CHAIN OF CUSTODY

2 of 3

REPORT TO:

INVOICE TO:

CLIENT: Bergmann	CLIENT: Same	LAB PROJECT ID: 192178
ADDRESS: 280 E. Broad St, Suite 200	ADDRESS:	Quotation #: 192178
CITY: Rochester STATE: NY ZIP 14604	CITY: STATE: ZIP:	Email: cbleier@bergmannpcc.com
PHONE: 585-498-7950	PHONE:	

PROJECT REFERENCE

Lyons Falls, NY

Matrix Codes:
AQ - Aqueous Liquid
NQ - Non-Aqueous Liquid

WA - Water
WG - Groundwater

DW - Drinking Water
WW - Wastewater

SO - Soil
SL - Sludge

SD - Solid
PT - Paint
WP - Wipe
CK - Caulk

OL - Oil
AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRADES	SAMPLE IDENTIFIERS	MATERIALS	CONTAMINANTS	LEAD	PCBs	REMARKS	PARADIGM LAB SAMPLE NUMBER
5/14/2019	12:00pm			LBP-012	PT	1	X			11
5/14/2019	12:00pm			LBP-013	PT	1	X			12
5/14/2019	12:00pm			LBP-014 A CPC CB/ps/22/14	PT	1	X			13
5/14/2019	12:00pm			LBP-015	PT	1	X			14
5/14/2019	12:00pm			LBP-016	PT	1	X			15
5/15/2019	12:00pm			PCB-001	CK	1	X			16
5/15/2019	12:00pm			PCB-002	CK	1	X			17
5/14/19	12:00			LBP-018 CPC CB/ps/22/19	PT	1	X			16

Turnaround Time

Report Supplements

Availability contingent upon lab approval; additional fees may apply.

Standard 5 day	<input checked="" type="checkbox"/>	None Required	<input checked="" type="checkbox"/>
10 day	<input type="checkbox"/>	Batch QC	<input type="checkbox"/>
Rush 3 day	<input type="checkbox"/>	Category A	<input type="checkbox"/>
Rush 2 day	<input type="checkbox"/>	Category B	<input type="checkbox"/>
Rush 1 day	<input type="checkbox"/>	Other	<input type="checkbox"/>

Sampled By: C. Bleier Date/Time: 5/14/2019 and 5/15/2019

Total Cost:

Relinquished By: C. Bleier Date/Time: 5/16/2019 1430

Received By: [Signature] Date/Time: 5/16/19 1430

Received @ Lab By: [Signature] Date/Time: 5/16/19 15:11

P.I.F.

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

20°C 5/16/19 14:38

See additional page for sample conditions.



Chain of Custody Supplement

Client: Bergmann Associates Completed by: Glenn Pezzulo
 Lab Project ID: 192178 Date: 5/16/19

Sample Condition Requirements
 Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____ _____		
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____ _____		
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____ _____		
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____ _____		
Temperature	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> metals
Comments	<u>20 °C</u>		
Compliant Sample Quantity/Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		



PCM AIR REPORT

Client: Bergmann Associates
Location: Lyons Falls, New York
Work Area: Not Provided
Project No.: N/A
Activity: Environmental
Client Job No.: N/A

Lab Log No: 4371-19
Sample Date: 05/16/2019
Sampling Tech.: C. Bleier
Page : 1 of 2

Field Data and Sampling Provided By: Bergmann Associates

Field Sample ID:	Day 1	Day 1 Blank 1	Day 1 Blank 2	Day 2	Day 2 Blank 1	Day 2 Blank 2					
Sample Volume (L):	788	N/A	N/A	476	N/A	N/A					

Laboratory Analysis Performed By: Paradigm Environmental Services, Inc. Rochester, New York ELAP ID No: 10958

Lab Sample ID:	36825	36826	36827	36828	36829	36830					
Fibers / 100 Fields:	108	0	0	23	0	0					
Fibers / mm2:	137.6	<7.0	<7.0	29.3	<7.0	<7.0					
Fibers / cc:	0.06	N/A	N/A	0.02	N/A	N/A					

Legend: I=Inside O=Outside E=Environmental B=Blank These results relate only to the items tested or to the samples as received by the laboratory.

Samples were analyzed according to the NIOSH 7400 method.

Comments:

The Sampling Data was supplied by the client. Paradigm Environmental Services, Inc. does not guarantee the reliability of the clients data.

Date of Analysis: 05/17/2019
Microscope: Olympus 4G42361
Analyst: C. Snyder

Relative Standard Deviations	Fiber Ranges		
	5 - 20	20 - 50	50 - 100
C. Snyder	0.328	0.201	0.22
Laboratory	0.283	0.321	0.237

Laboratory Results Approved By:
 Asbestos Operations Manager
 or Designee


 Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. New York State Department of Health Environment Laboratory Approval Program (ELAP) requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. These PCM results relate only to the items tested as received by the lab. This report must not be used to claim product endorsement by NYS ELAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory or analysts' precision) is available upon request.



PARADIGM

ENVIRONMENTAL SERVICES, INC.
 179 Lake Avenue, Rochester, NY 14608
 Office (585) 647-2530 Fax (585) 647-3311

Lab Job #
 4371-19

Asbestos Air Monitoring Chain of Custody

Job Ticket #

Meets NYCRR 56 amended January 11, 2006

Bergmann
 Client

C. Bleier 585-498-7950
 Client Contact Client Contact Phone

Lyons Falls, NY
 Building/Location Work Area

Air Technician Air Technician Phone

Contractor Contractor Contact

cbleier@bergmannpc.com
 Email Results To:

Rotometer # Cassette Lot #

Materials to be Removed

Project Phase
 Phase I B Phase IIA Phase IIB Phase IIC Phase IIC Env.
 Backgrounds Work Area Preparation Asbestos Handling Final Cleaning Clearance Airs

Field Sample #	Day 1	Day 1 Blank 1	Day 1 Blank 2	Day 2	Day 2 Blank 1	Day 2 Blank 2						
Pre-Calibrated Flow Rate	4000 cc/min	NA	NA	4000 cc/min	NA	NA						
Post-Calibrated Flow Rate	4000 cc/min	NA	NA	4000 cc/min	NA	NA						
Average Flow Rate	4000 cc/min	NA	NA	4000 cc/min	NA	NA						
Start Time Military Time	1055	NA	NA	736	NA	NA						
End Time Military Time	1540	NA	NA	935	NA	NA						
Duration (Minutes)	197	NA	NA	119	NA	NA						
Sample Volume (Liters)	788	NA	NA	476	NA	NA						

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. ELAP ID # 10958

Lab Sample #	36	825	826	827	828	829	830					
Fibers/100 Fields:	108	0	0	23	0	0						
Fibers/cc:	1067	N/A	N/A	1023	N/A	N/A						

Samples Relinquished By: C. Bleier	Date: 5/16/2019
Received in Lab By: <i>C. Stiles</i>	Date: 5/16/19
Analyzed By: <i>Cameras</i>	Date: 5/17/19
Microscope Make, Model & #: 464230K	Turn-around Time STANDARD

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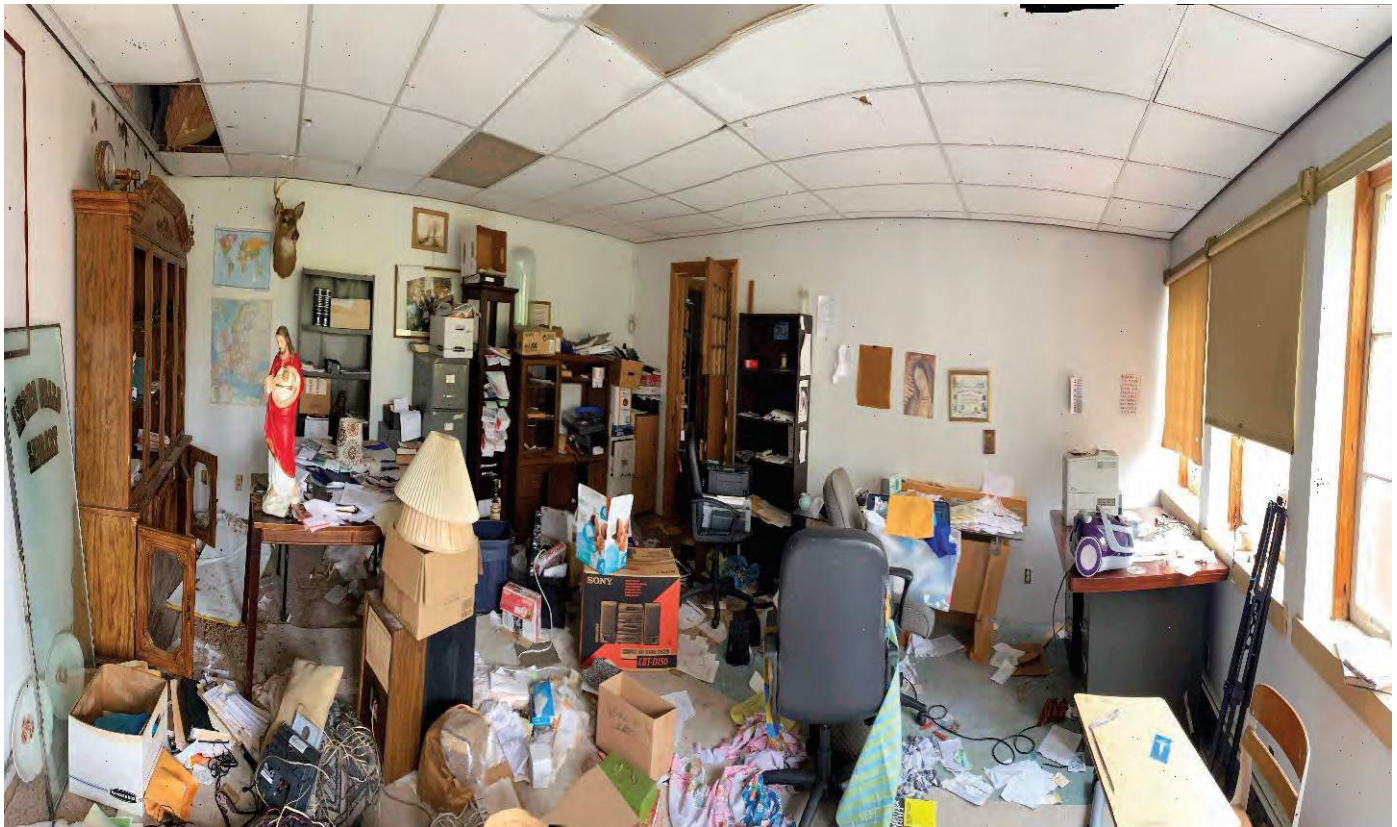
Voicemail to tech @ 0954 (CS)
 verbal to tech @ 1004 (CS)



APPENDIX D: Photo Log



Second floor, southeastern room.



Second floor office.



Second floor hallway.



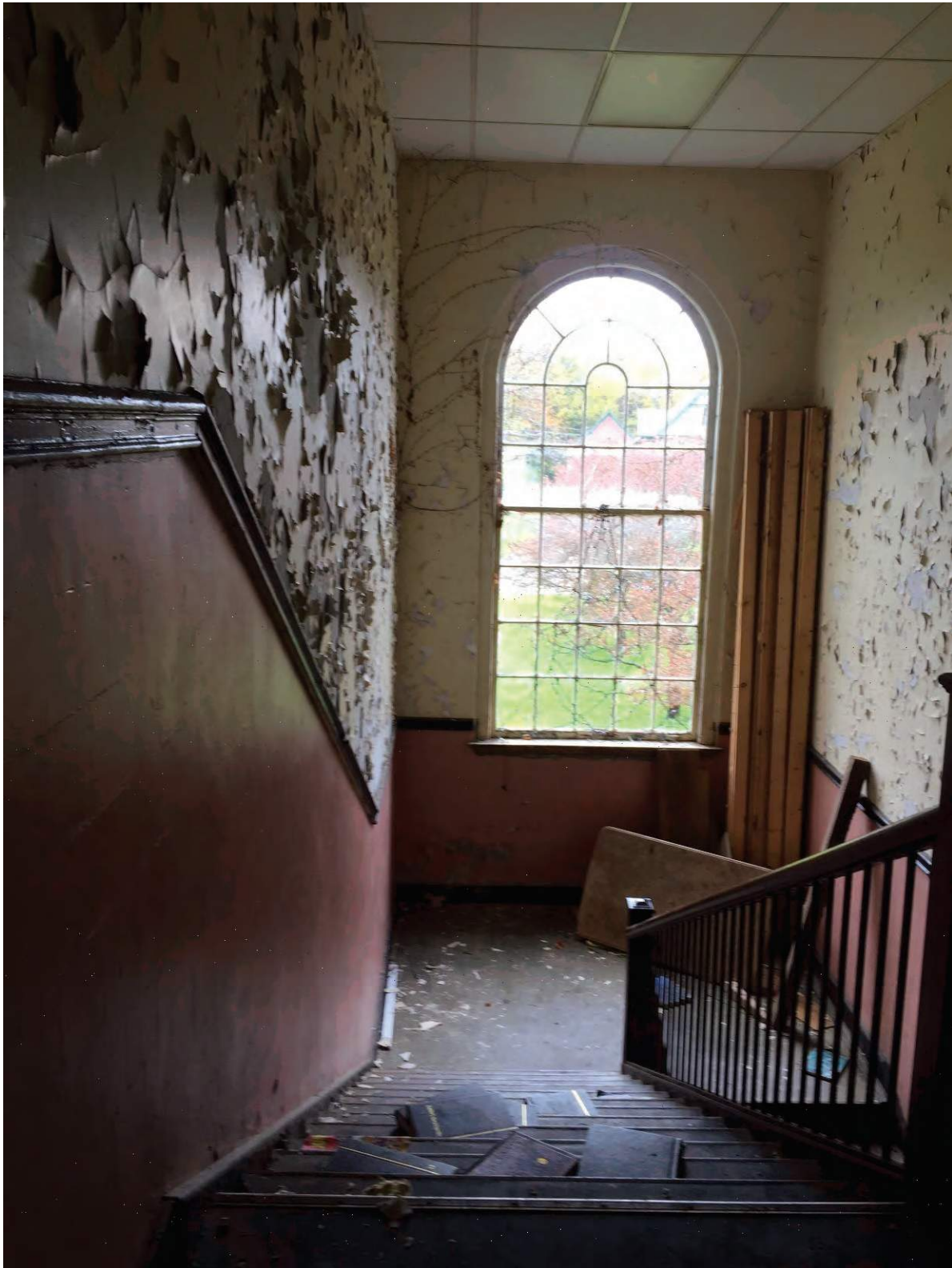
Second floor office space.



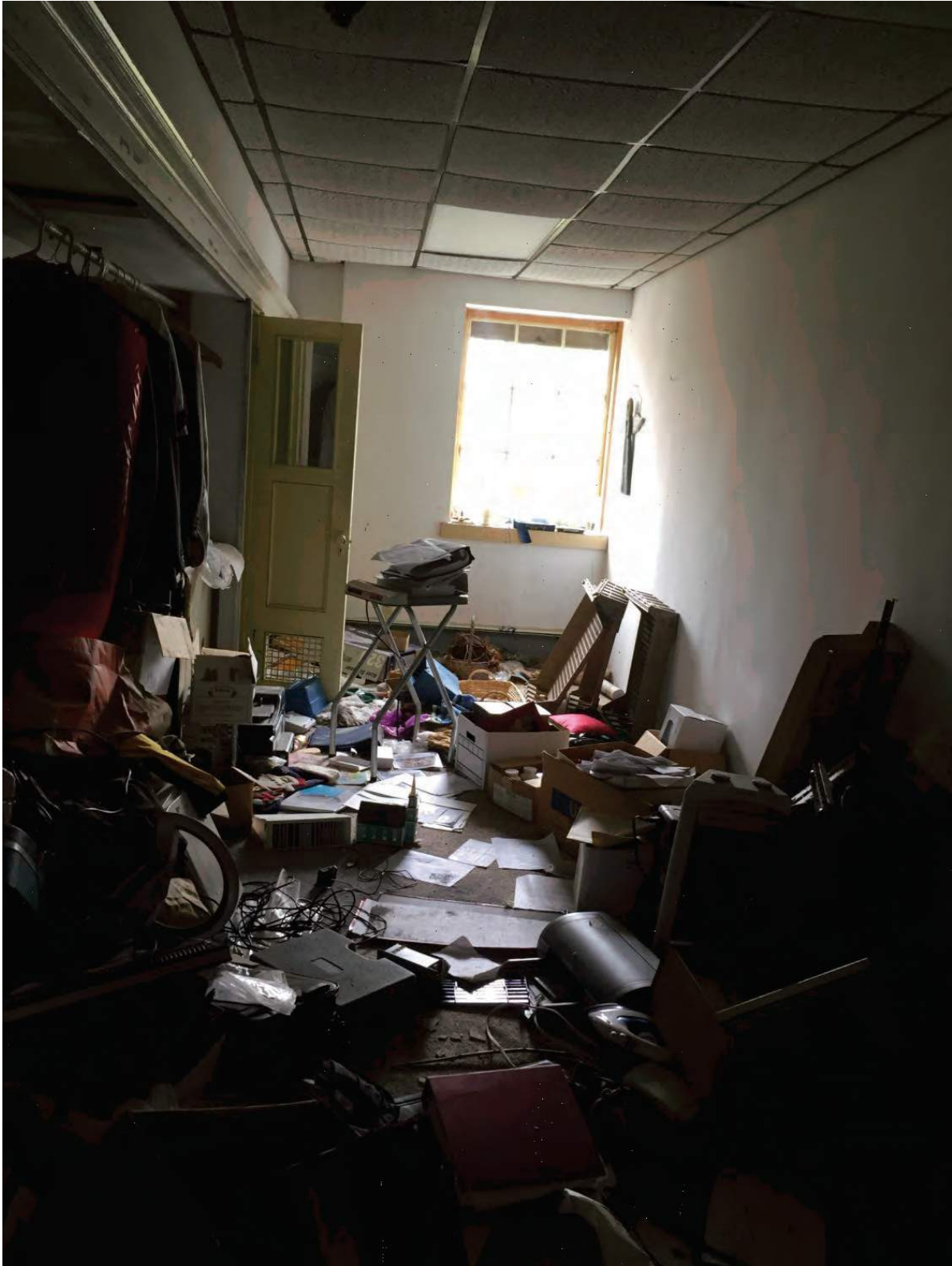
First floor auditorium.



Second floor bedroom.



Western stairway.



2nd floor storage room.



2nd floor office.





1st floor bedroom.



1st floor children's bedroom.



1st floor living.



1st floor woodshop.





Basement hallway.



Basement boiler room.

Limited Subsurface Investigation Report

Former Lyons Falls High School

6832 McAlpine Street, Village of Lyons Falls, Lewis County, New York

Date: June 25, 2019



Bergmann

Office:

280 East Broad Street, Suite 200
Rochester, New York 14604

Phone: 585-498-7948

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APPENDIX C	LABORATORY ANALYTICAL REPORTS
APPENDIX D	LIMITATIONS

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1.0 Introduction

The Limited Subsurface Investigation (LSI) was performed at the former Lyons Falls High School building located at 6832 McAlpine Street in Lyons Falls, Lewis County, New York (Site). The LSI was completed in general accordance with the scope of work provided to Lewis County on July 27, 2016. This project included a geophysical survey via Ground Penetrating Radar (GPR), test pit explorations and installation of soil borings/monitoring wells. Soil and groundwater samples were collected and analyzed for petroleum chemical compounds and metals. Test pit locations were determined based on the results of the geophysical survey anomalies. Soil borings and monitoring wells were installed at locations to cover the majority of the Site at up-gradient/down-gradient locations with respect to the anticipated shallow groundwater flow direction towards the Black River. Surface soils were also evaluated for potential impacts for metals that may have been released from the former Pulp and Paper mill stack discharges, located on Center Street. Bergmann monitored the initial geophysical survey and the test pit explorations on May 14, 2019 and monitored the second geophysical survey with installation of soil borings/monitoring wells, and collection of surface soil samples on May 29, 2019.

Bergmann subcontracted TREC Environmental, Inc. of Spencerport, New York to provide an operator and the appropriate equipment required for the geophysical survey, test pit explorations, soil borings, and monitoring well installations. The LSI was completed in general conformance with New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER)-10 and NYSDEC Commissioner Policy (CP)-51 investigation requirements for a Phase II Environmental Site Assessment (ESA) level of investigation. The Division of Environmental Remediation Index of Standards, Criteria and Guidance (SCGs) 6 NYCRR Part 375 – 6.8 (a) was used to evaluate soil sample results and NYSDEC 703.5 Groundwater Standards were used for comparison criteria of groundwater sample results.

2.0 Background

The property was purchased by Lewis County in 1900 and a school building was constructed that year to allow consolidation of both elementary and high school students at a central location. The population grew and the current school building was erected at the same location in 1927. The school building served as both an elementary and high school for the youth of Lyons Falls until South Lewis High School was built in 1963. The building continued to serve as an elementary school until 1983 when the school was closed. Ownership changed several times during the last twenty (20) years based on tax records as noted below.

- Estate of Robert Syversen (current owner)
- Sue and David Dailey
- Key Bank of Central New York
- Donald Moshier
- Town of West Turin

Most recently, during approximately the past eight (8) years the Syversen family has used the building as their primary and/or secondary residence. The building and property are located in a Brownfield Opportunity Area (BOA) identified by Lewis County. There are no known environmental reports for this Site available for review prior to this LSI and an Asbestos Survey conducted in May 2019. The property is suspect for underground storage tank(s) (USTs) that may have been associated with heating oil as part of the building's heating system.

3.0 Purpose

The purpose of the LSI was to evaluate current subsurface soil and groundwater quality for possible petroleum impacts associated with suspected on-site bulk storage petroleum USTs and to evaluate groundwater quality at up-gradient and down-gradient locations. Surface soils were also evaluated for potential metals impacts on the ground surface of the Site from stack discharges at the former Lyons Falls Pulp and Paper Mill.

4.0 Geophysical Survey, Test Pits, Surface Soils, Soil Borings and Monitoring Wells

A Ground Penetrating Radar (GPR) geophysical survey, four (4) test pits, nine (9) soil borings, and two (2) monitoring wells were installed as subsurface explorations during the LSI. These explorations allowed for collection of soil and groundwater samples for laboratory analysis to evaluate subsurface soil and groundwater quality. In addition, three (3) surface soil samples were collected to allow for evaluation of soil condition at the ground surface. Subsurface explorations were also used to observe soil conditions, field screen soils for organic vapors and measure depth to groundwater. The locations of the subsurface explorations are presented on Figure 2 – Subsurface Exploration Plan.

Geophysical Survey

An initial geophysical survey was completed on May 14, 2019 by TREC Environmental, Inc. of Spencerport, New York using GPR. The GPR targeted potential UST locations based on metallic anomalies. This non-destructive geophysical survey can determine the location and approximate depth of USTs and metallic anomalies. The GPR data signals were collected on an approximate 15 to 20-foot grid across the back parking lot that is a pavement surface. A second GPR survey was completed on May 29, 2019 in the grass covered lot behind the school building. GPR data signals were interpreted during these surveys and marked on the ground surface. The GPR located four (4) metallic anomalies with underground piping, and a section of fuel oil transfer piping from a fuel heating oil UST. Each of the four (4) metallic anomalies location were marked in the field for test pit excavations. One (1) anomaly was interpreted to represent the heating oil UST by TREC Environmental, Inc. An area of disturbed soil was detected on May 29, 2019 as described in the geophysical report as an "Area of Concern" (AOC), see Appendix A for location and size of this AOC. The GPR report completed for this geophysical survey is presented in Appendix A – Geophysical Survey and has described this area as a disturbed ground of approximately 3' x 4' in dimension with a depth of 2.5-3' below ground surface topped with placed stones and a crudely fabricated upright cross.

Test Pits

A total of four (4) test pits, TP-1 through TP-4, were excavated to approximately three (3) to 12 feet below ground surface (bgs) at locations where metallic anomalies were detected during the GPR geophysical survey on May 14, 2019. Test Pits TP-1 through TP-3 revealed a fuel oil UST connected to transfer piping that confirms the anomalies at these areas detected by the GPR, see Photograph section of this report. The fill port of the fuel oil UST was located 75 feet off the east corner of the building. Tank measurements are as follows:

- Top of fill port to the bottom is 143 inches;
- Fill port pipe is 3-inches in diameter and approximately 48-inches in length;
- Approximately 10-inches of liquid in UST and appeared to be water and fuel oil mixture; and
- Approximate tank diameter is 8-feet and tank length is 22-feet.

Therefore, the approximate capacity of this fuel oil UST may range from approximately 6,000 to 8,000 gallons. A 275-gallon fuel oil above ground storage tank (AST) was observed in the basement of the building during Bergmann's Asbestos survey this tank and the UST should be removed and closed in accordance with NYSDEC regulations under 6 NYCRR Subpart 613-3 and 613-4 (October 11, 2015).

Field screening of excavated soils from test pit excavations with a Photoionization Detector (PID) for total organic vapors measurements indicated non-detect (ND) for organic vapors at each test pit exploration. Soil samples were not collected for laboratory analysis from test pit explorations. Soil samples were described for grain size and recorded on each environmental test pit report, see Appendix B – Subsurface Explorations Logs and Well Reports. The locations of the test pits are shown on Figure 2.

Soil Borings

A total of nine (9) soil borings named SB-1 through SB-9 were installed to depths of approximately 3 ft. to 16 ft. below ground surface (bgs). Each soil boring was installed for environmental data collection purposes using direct push drilling methods and continuously sampled from the ground surface to the bottom depth of each soil boring using a 4-foot macro sampler with acetate liners for each sample interval. A representative portion of each soil sample was collected for headspace field screening for total volatile organic vapors using a PID. The soil borings were backfilled with soil cutting from each borehole to ground surface. Excess soil from soil borings SB-5 and SB-8 were placed at the ground surface near these locations. The subsurface conditions encountered were recorded on the test boring logs for each soil boring location (see Appendix B). The soil field screen PID measurements were ND.

Monitoring Well Installation

Overburden groundwater monitoring wells, named MW-1 and MW-2, were installed for environmental data collection in completed soil borings SB-5 and SB-8; respectively. The monitoring wells were constructed with 1-inch inside diameter schedule 40 PVC well screens of 0.010-inch slot size. Each 10-foot length of well screen was connected to well casing that extends to the ground surface. The monitoring wells were used to measure the depth to groundwater, observe for the presence or absence of floating and sinking non-aqueous phase liquids and allow for collection of overburden groundwater samples.



Each monitoring well was completed with a sand pack extending above the well screen and the remaining borehole annulus was backfilled with bentonite. The well casing extends above the ground surface. The actual design of these wells was determined by the Bergmann Professional Geologist (PG) based on field conditions encountered. Well completion details are presented on each monitoring well log, see Appendix B. The locations of the monitoring wells are shown on Figure 2. Each monitoring well was developed to remove sediments from the well water prior to collection of groundwater samples.

5.0 Geologic Setting

Site Geology

Three (3) overburden soil deposits were encountered in the subsurface explorations that include: (1) a Historic Fill deposit consisting of re-graded native soils with cinders and ash (historic fill material); (2) Buried Topsoil deposit consisting of native silt with organic root fibers that was the original ground surface prior to placement of Historic Fill; and, (3) Lacustrine deposit consisting of medium to fine sand that was deposited during after the last ice-age in a post –glacial lake setting.

The historic fill deposit was described as Brown medium to fine SAND, trace silt and cinders, trace gravel to brown to gray CINDERS and ASH, trace fine gravel. The Fill deposit ranged in thickness from approximately 0.3 ft. to greater than 12 feet and overlies the Buried Topsoil deposit. The buried Topsoil deposit was described as Dark brown SILT, with root fibers to Dark brown to gray SILT, some medium to fine sand. The thickness of the buried topsoil deposit was approximately 0.5 ft. thick and overlies the lacustrine deposit or top of bedrock surface. The Lacustrine deposit was described as Light brown medium to fine SAND to Gray to brown coarse to fine SAND, little GRAVEL, trace silt. The bottom of the majority of the subsurface explorations was terminated in the historic fill deposit. The Lacustrine deposit overlies the top of bedrock. The soil descriptions are noted on the test boring logs (see Appendix B).

The bedrock below the Site was not sampled. However, it was encountered in several explorations and is approximately three (3) to six (6) feet bgs in areas of the Site from McAlpine Street to the parking lot area behind the school building. An area of bedrock outcrop at the ground surface is located at portions of the eastern end of the Site.

Regional Geology

The regional geology of the Site was most recently deposited by post-glacial lakes approximately 10,000 years ago. The stagnating remains of the valley glaciers blocked off the outlets of some meltwater streams and thus created lakes. The lakes lasted until the dams of ice melted. The melting often took many years. Proglacial lakes formed in several valleys where meltwater was trapped between valley-blocking moraines and the ice front. Lacustrine (lake-laid) deposits of clay, silt, and sand are in many of the valleys and these soil deposits underlie the Village of Lyons Falls. The bedrock units of Middle Silurian to Middle Devonian age are approximately 450 million years old and underlie the region.

6.0 Subsurface/Surface Soil Sampling and Analysis Summary

Subsurface Soil Sampling

Soil samples were collected continuously in four (4) foot intervals using a two-inch diameter macro sampler with acetate liners during the installation of soil borings. A representative portion of each soil sample was field screened with a PID. Another representative portion was placed into a glass jar and stored on ice for laboratory analysis from selected soil borings. A PID equipped with a 10.2 eV lamp was used to field screen soil vapor from each soil sample for total organic vapors.

Elevated soil vapors were not detected and staining/odors were not observed. Therefore, one (1) soil sample was collected for laboratory analysis from selected sample intervals in the following test borings: SB-1 (6.5-7.0 ft.), SB-4 (12-12.5 ft.), SB-5 (11.5-12.0 ft.), SB-6 (2.5-3.0 ft.), SB-8 (7.0-7.5 ft.) and SB-9 (11.0-11.5 ft.). These samples were submitted for laboratory analysis, under chain-of custody documentation, from locations and sample depth interval selected to represent various depth intervals. Samples were also selected to represent historic fill soils and native soils due to a lack of elevated PID measurements. Sample depth intervals are noted on each soil boring log. The PID measurements are presented on each test boring (soil boring) log for each sample depth interval. The macro soil sampler equipment was decontaminated between sample intervals and a new acetate liner was used prior to collection of each soil sample following a three-step wash with Alconox®, tap water rinse.

Surface Soil Sampling

Surface soil samples SB-6 (2-inch), SB-7 (2-inch) and SB-8 (2-inch) were collected at corresponding soil boring locations SB-6 through SB-8 shown on Figure 2 from approximately 2-inches below the root zone. A stainless steel towel was used to remove the grass and collect soils approximately 2-inches below the root zone to evaluate these samples for potential impacts from metals that may have been deposited from stack discharges for the former Lyons Falls Pulp & Paper Mill.

Laboratory Analytical Test Methods

Subsurface soil samples were analyzed in accordance with methods: U.S. EPA 8260 plus the CP-51 list (solvents and gasoline chemical compounds), U.S. EPA 8270 base naturals (diesel, heating oils and grease) and TAL Metals 6010/7471. The analytical test methods target petroleum chemical compounds, chlorinated solvents and metals. Surface soil samples were analyzed for TAL metals only to target potential metals in surface soils from stack discharges of the former Lyons Falls Pulp and Paper Mill. These compounds were the suspected Chemicals of Concern (COCs) for this investigation. The soil samples were analyzed by Paradigm Environmental Services, Inc. of Rochester, New York.

7.0 Soil Quality Summary

Volatiles Organic Compounds - VOCs

Two (2) volatile organic compounds (VOCs) were detected in the low parts per million (ppm) range in soil sample SB-8 (7.0-7.5 ft.). The concentration of Acetone was 0.579 parts per million (ppm) that exceeds the NYSDEC 6 NYCRR Part 375-6.8 (a) Unrestricted Use Soil Cleanup Objective (UUSCO) level of 0.05 ppm and is below 6 NYCRR Part 375-6.8 (b) Restricted use residential level of 100 ppm. 2-Butanone was also detected with a concentration of 0.0819 ppm that is below the Part 375-6.8 (a) UUSCO level of 0.12 ppm. VOCs were not detected above the laboratory method detection limits for other samples analyzed during the LSI. The locations of soil borings are presented on Figure 2. The VOC laboratory reports are presented in Appendix C – Laboratory Reports. Soil sample results indicate that the subsurface samples locations are not impacted with VOC solvent and gasoline chemical compounds.

Semi-Volatile Organic Compounds – SVOCs

Two (2) semi-volatile organic compounds (SVOCs) were detected in the low parts per million (ppm) range in soil sample SB-1 (6.5-7.0 ft.). The concentration of Fluoranthene was 0.564 ppm and Pyrene was 0.436 ppm and these levels are below NYSDEC 6 NYCRR Part 375-6.8 (a) UUSCO level of 100 ppm. SVOCs were not detected above the laboratory method detection limits for other samples analyzed during the LSI. The locations of soil borings are presented on Figure 2. The VOC laboratory reports are presented in Appendix C – Laboratory Reports. Soil sample results indicate that the subsurface samples locations are not impacted with VOC solvent and gasoline chemical compounds.

Metals

The metals characterization data is summarized for subsurface and surface soil samples as presented in Table 1 – Soil Sample Analysis Summary - Metals in the Table section of this report. The metals soil sample results indicate that one (1) subsurface soil sample and three (3) surface soil samples exceed the UUSCOs for Chromium and Zinc as presented in the table below. Other metals were detected at concentrations below UUSCOs. It should be noted that the levels of chromium and zinc are below levels for NYSDEC 6 NYCRR Part 375-6.8 (b) Restricted-Residential Use Soil Cleanup Objectives RRUSCOs for residential use as listed in the Table below.

Metal	Subsurface Soil Sample that Exceeds UUSCOs	Surface Soil Samples that Exceed UUSCOs	Concentration Range That Exceeds UUSCOs (ppm)	Subsurface & Surface Soil Samples Below RRUSCOs Level of
Chromium	SB-4 (12.0-12.5 ft.)	SB-6 (2-inch), SB-7 (2-inch) and SB-8 (2-inch)	3.82 to 8.60	Yes
Zinc	SB-4 (12.0-12.5 ft.)	None	157	Yes

The source of the chromium and zinc in subsurface soil sample SB-4 (12.0-12.5 ft.) and chromium in surface soil samples cannot be confirmed based on the limited sampling and analysis. These metals are naturally occurring in the environment. However, cinders and ash contained in Historic fill may be a contributing source of metals in the subsurface. Historic fill is present along the northern property



boundary and includes the area of the fuel oil UST were soil boring SB-4 is located and test pits TP-1 through TP-3. Areas of Historic fill were encountered in soil borings SB-1 through SB-5, SB-8 and SB-9. Other areas of the eastern portion of the Site are also suspect for Historic fill as a segment of an unnamed tributary to the Black River is in a buried culvert near SB-9 below the eastern portion of the Site. Although the metals concentrations detected are in the low ppm range, historic fill and surface soils should be environmentally managed should future redevelopment include excavation and or re-grading of these soils. In addition, a geotechnical study would be required to evaluate the physical characteristics of the historic fill. The metals soil sample results are presented on Table 1. The metals laboratory reports are presented in Appendix C.

8.0 Monitoring Well Development

The monitoring wells were installed on May 29, 2019 and developed until dry. Groundwater contained some sediment at the time of sample collection.

9.0 Groundwater Sampling and Analysis Summary

A depth to water measurement was recorded from the top of the PVC well casing to the top of the water surface to the nearest 0.1 ft. during sampling. The depth to groundwater measured on May 29, 2019 was 14.0 ft. in MW-1 and 6.5 ft. in MW-2 as noted on each monitoring well log (see Appendix b). The depth to groundwater in the overburden deposits ranges from approximately 6.5 ft. to 14.0 ft. below ground surface.

Groundwater samples were collected from monitoring wells MW-1 and MW-2 on May 29, 2019. A disposable translucent bailer was lowered across the top of the water surface and removed to check for the presence of light non-aqueous phase liquids (LNAPL) prior to collection of groundwater samples. Prior to sampling, a bailer was lowered to the bottom of the well to check for dense non-aqueous phase liquids (DNAPL). Floating petroleum product was not observed on the well water and a DNAPL was not observed in the groundwater from each monitoring well.

Two (2) groundwater samples were submitted to Paradigm Environmental Services, Inc. for laboratory analysis in accordance with methods: U.S. EPA 8260 plus CP-51 list (solvents and gasoline chemical compounds). There was not enough groundwater in the monitoring wells at the time of sample collection for SVOC groundwater samples.

VOCs

VOCs were not detected above the laboratory method detection limits in samples MW-1 and MW-2. Therefore, levels are ND and below NYSDEC 703.5 standards. The locations of the monitoring wells are presented on Figure 2. The laboratory reports for VOCs are presented in Appendix C.

10.0 Summary and Conclusions

The following summary and conclusions are based on the PSI field sample screening, observations and laboratory sample results. The findings are from limited sampling locations and subject to our limitations (see Appendix D – Limitations).

Three (3) soil deposits encountered in test pit and soil boring locations. A historic fill deposit of placed (landfilled) regraded natural soils with cinders and ash was backfilled at the Site to make land or fill/grade the original ground surface prior to construction of the current school building in 1927. The source(s) of the historic fill materials are undocumented. A buried topsoil is a native soil layer that underlies the historic fill deposit and represents the original ground surface. Underlying the Buried Topsoil is the lacustrine deposit that is a native soil deposited in post-glacial lakes. Bedrock surface was encountered in several subsurface explorations and is exposed (bedrock outcrops) at the eastern portions of the border of the Site.

VOCs and SVOCs do not appear to be COC in subsurface soils based on the low ppm levels and low to ND frequency of detection generally below UUSCOs and below RRUSCOs for residential use. Low levels of chromium and zinc that slightly exceed UUSCOs and are below RRUSCOs were detected in historic fill and surface soil samples. The source of these metals appears to be associated with historic fill that contains cinders and ash.

The groundwater is shallow from approximately 6.5 to 14 feet below the ground surface and is not impacted with solvents or gasoline petroleum VOCs.

It appears that there has not been a release of petroleum from the heating oil UST identified by the geophysical survey and based on observation and field PID soil screening soils in the area of the heating oil UST. However, there is a potential for discovery of a petroleum release below the UST when it is removed. It appears that the 275-gallon fuel oil AST has not released based on observations of the tank and floor below the tank.

11.0 Recommendations

Although this investigation did not reveal evidence of a petroleum release, there is a potential for a release below the UST. Consult with legal counsel regarding timing for removal of the petroleum tanks with respect to ownership and potential discovery of a petroleum release when the tank is removed. When the fuel oil UST and the fuel oil AST are removed, they require registration/deregistered at the time of tank closure. NYSDEC must be notified of the tank removal date at least thirty (30) days in advance and all work for UST/AST must conform to compliance with closure requirements under 6 NYCRR Subpart 613-3 and 613-4 (October 11, 2015). The UST/AST removals and closures must also comply with all federal and local regulations. All work completed must be documented to demonstrate compliance with 6 NYCRR Subpart 613-3 and 613-4.



Bergmann recommends a Soil Management Plan (SMP) to address potential impacts and costs associated with historic fill/surface soils should future re-development require excavation and or re-grading of these soils. The SMP should be prepared by a Qualified Environmental Professional and should also address the type of reuse with respect to residential, restricted-residential, commercial or industrial.

A geotechnical investigation is recommended to address the significant areas and quantities of historic fill landfilled on the Site and areas of shallow bedrock that may impact redevelopment costs in the event that redevelopment is planned for areas outside of the existing building area.



TABLE

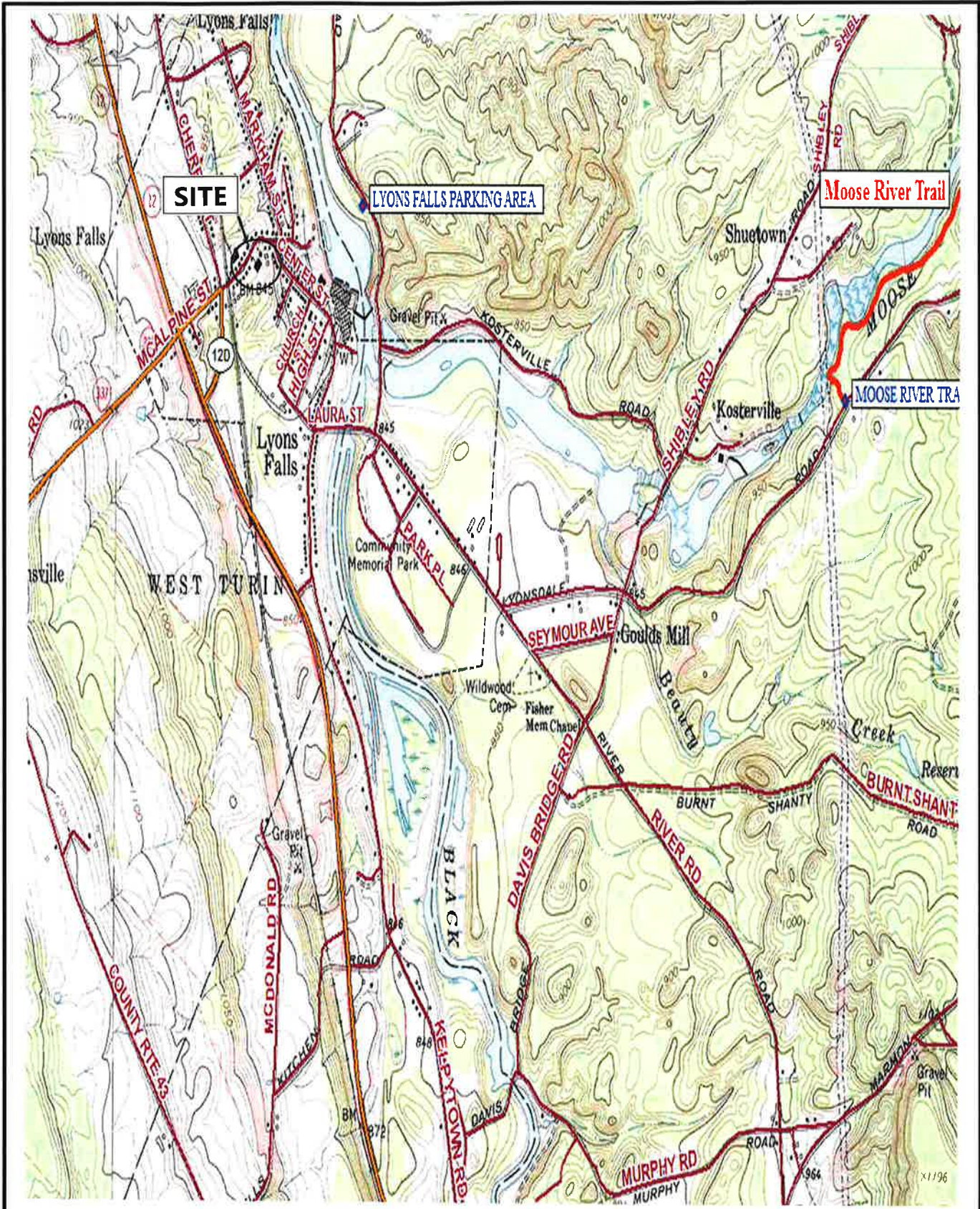
TABLE 1
SOIL SAMPLE ANALYTICAL SUMMARY - METALS
Former Lyons Falls High School Site
Mc Alpine Street
Lyons Falls, New York

Metals	SB-4 (12.0-12.5 ft.)	SB-6 (2-inch)	SB-7 (2-inch)	SB-8 (2-inch)	Unrestricted Use Soil Cleanup Objectives Residential	Residential Use Soil Cleanup Objectives	Restricted Residential Use Soil Cleanup Objectives	Commercial Use Soil Cleanup Objectives	Industrial Use Soil Cleanup Objectives	Protection of Groundwater	Protection of Ecological Resources
Aluminum	3,510	7,920	5,360	7,050	-	-	-	-	-	-	-
Antimony	<4.28	<3.60	<3.88	<3.44	-	-	-	-	-	-	-
Arsenic	2.24	1.08	0.835	1.36	13	16	16	16	16	16	13
Barium	22.5	32.5	25.4	21.1	350	350	400	400	10,000	820	433
Beryllium	<0.357	0.540	0.428	0.485	7.2	14	72	590	2,700	2,700	2,700
Cadmium	<0.357	<0.300	<0.324	<0.287	2.5	2.5	4.3	9.3	60	7.5	10
Calcium	8,190	2,680	4,900	18,500	-	-	-	-	-	-	-
Chromium	3.82	8.60	6.28	6.62	1	22	110	400	800	19	1
Cobalt	<3.57	3.39	<3.24	2.98	-	-	-	-	-	-	-
Copper	9.35	5.67	5.76	4.52	50	270	270	270	10,000	1,720	50
Iron	7,320	11,700	9,310	11,600	-	-	-	-	-	-	-
Lead	55.4	27.3	39.2	10.6	63	400	400	1,000	3,900	450	63
Magnesium	517	1,730	1,250	1,310	-	-	-	-	-	-	-
Manganese	128	319	191	187	1,600	2,000	2,000	10,000	10,000	2,000	1,600
Mercury	0.132	0.0608	0.177	0.0262	0.18	0.81	0.81	2.8	5.7	0.73	0.18
Nickel	2.90	5.72	4.13	4.77	30	140	310	310	10,000	130	30
Potassium	237	1,290	800	593	-	-	-	-	-	-	-
Selenium	<1.43	<1.20	<1.29	<1.15	3.9	36	180	1,500	6,800	4	3.9
Silver	<0.714	<0.600	<0.647	<0.573	2	36	180	1,500	6,800	8	8
Sodium	<178	<150	<162	<143	-	-	-	-	-	-	-
Thallium	<1.78	<1.50	<1.62	<1.43	-	-	-	-	-	-	-
Vanadium	16.6	13.1	10.4	12.6	-	-	-	-	-	-	-
Zinc	157	50.9	71.3	48.3	109	2,200	10,000	10,000	10,000	2,480	109

1. ND = Less than laboratory detection limits, - = No standard.
2. Bold type indicates detection above New York State Department of Environmental Conservation Unrestricted Residential Use Soil Cleanup Objective for Residential Use.
3. Concentrations are expressed in parts per million (ppm) equivalent to mg/kg.
4. Concentrations are expressed in parts per million (ppm) equivalent to mg/kg.
5. Concentrations are expressed in parts per million (ppm) equivalent to mg/kg.
6. Soil samples collected by Bergmann on June 6, 2019 and analysed by Paradigm Environmental Services, Inc. of Rochester, New York, ELAP ID # 10958.
7. Soil Cleanup Objective (SCO) values for from NYSDEC Table 375 – 6.8 (b) and from 375-6.8 (a).



FIGURES



Lewis County Former School Site Limited Subsurface Investigation Locations

SUBSURFACE
EXPLORATION PLAN

Fig. 2

1 inch = 50 feet



6832 McAlpine Street, Lyons Falls, New York





APPENDIX A



TREC Environmental Inc.

Technician: Jim Agar

Date: 5/14/19

Site Address: 6832 McAlpine St., Lyons Falls, NY

Contact Person: Steve Demeo

Scope of Work: Scan area for underground utilities and possible buried tanks, clear boring locations and scan an area of concern for soil disturbance.

Type of Service:

- Fault Detection Utility Location/GPR
 Infrastructure Assessment Utility Mapping

Type of Equipment Used:

- Mala Easy Locator HDR SPX RD 7000

Marking Used:

- Paint Flags Chalk Updated Existing Maps Other

Instructions from Onsite Contact: Locate possible underground storage tanks.

Notes: Some internal utilities were located and marked with paint and identified on the attached map.

An underground tank was located off the east corner of the building, approximately 75' to fill port. The tank measurements were as follows:

Top of fill port to bottom of tank was 143", the fill port pipe is believed to be 48" long and 3" in diameter and the size of the tank is believed to be 8' in diameter by 22' in length. As a side note, there is 10" of liquid in the bottom of the tank.

Two anomalies were identified on the south corner of the building at a depth of 3.5'. These were identified as bedrock by visually confirmed by two test pits.

A drain line was identified in proximity to the tank and related piping. The origin could not be located due to the amount of debris around the building and the termination point could not be located due to the thickness of the brush/trees. It ran in a north/south direction.

An area of concern (AOC) was scanned to determine any soil disturbance. The AOC was an area of placed stones and a crudely fabricated cross standing upright within the stones. The location was 45' due south of the pavement. There does appear to be a disturbed area of roughly 3'X4' with a depth of 2.5' - 3'.

Gpr images:

Image 1 represents the background of the site scanned. This was over asphalt behind the building. Bedrock and/or outcroppings range from 2-4'.

Image 2 shows the tank at a depth of 3.5". There are 3 images of the tank on this image due to the repeated short scan line caused by thick vegetation.

Images 3 and 4 showing anomalies 2 and 3 at a depth of 3.5'. These anomalies were visually identified as bedrock/out cropping.

Image 5 Covers the AOC, the scan runs in a north/south direction directly in front of the make shift cross. The stone pile is shown at footage marker 559 – 562' and there is an anomaly at 2-2.5'.

Image 6 Also covers the AOC, the scan runs in an east/west direction. The disturbance is located at footage mark 622 – 627' with a faint anomaly at 624' at a depth of 2.5'.

Image 7 shows background soil conditions. Shallow bedrock is seen fluctuating between 3' – 6'.

Information Relayed on site:

Verbal GPR Photos Digital Photos Hand drawn Map

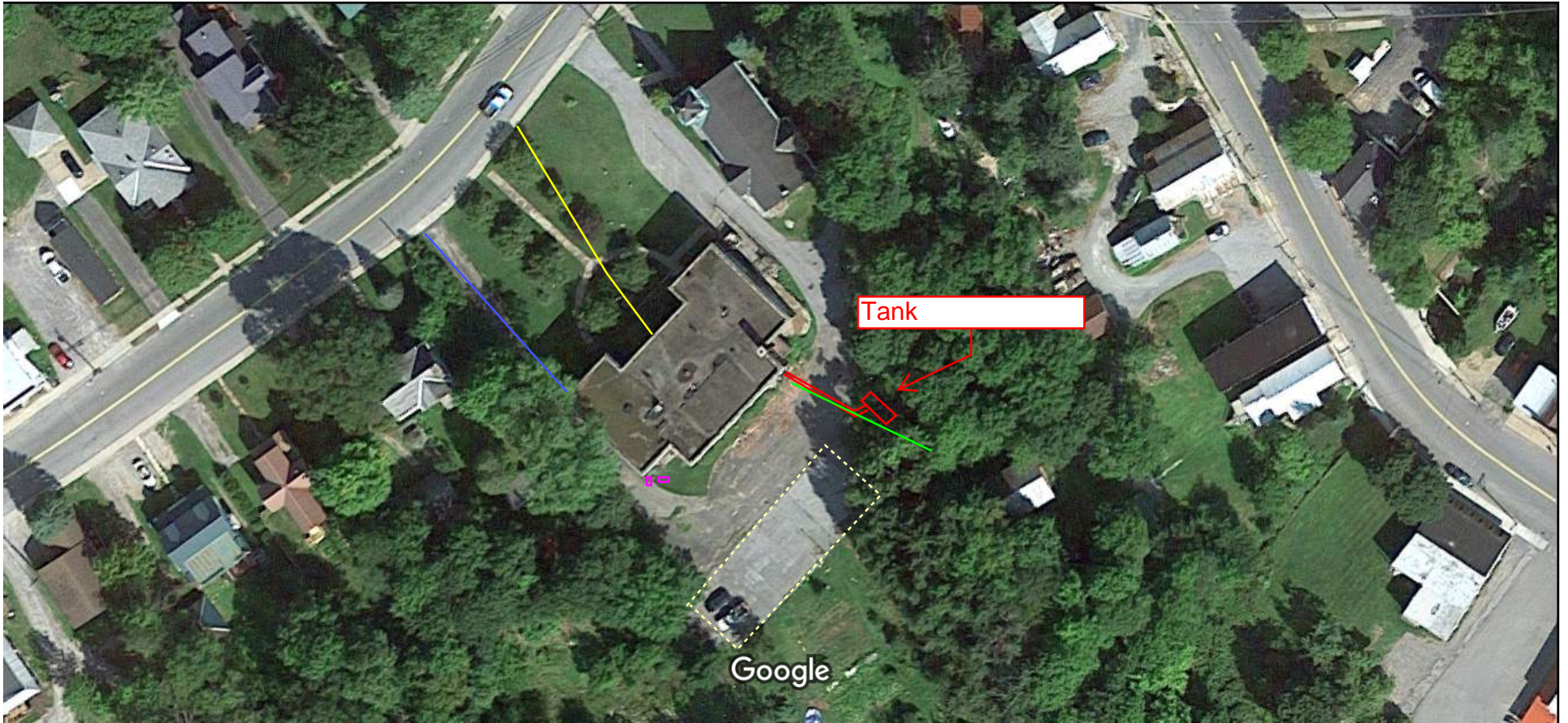
Reporting Options:

Letter Report







Comprehensive Report

TREC will guarantee the accuracy of utility markings only when subsurface utility location methods are used which meet the ASCE's *Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data CI/ASCE 38-02*, Quality Level A. This process exposes subsurface utility systems to confirm location, size and identity.

6832 McAlpine St.



Imagery ©2019 Google, Map data ©2019 Google 50 ft

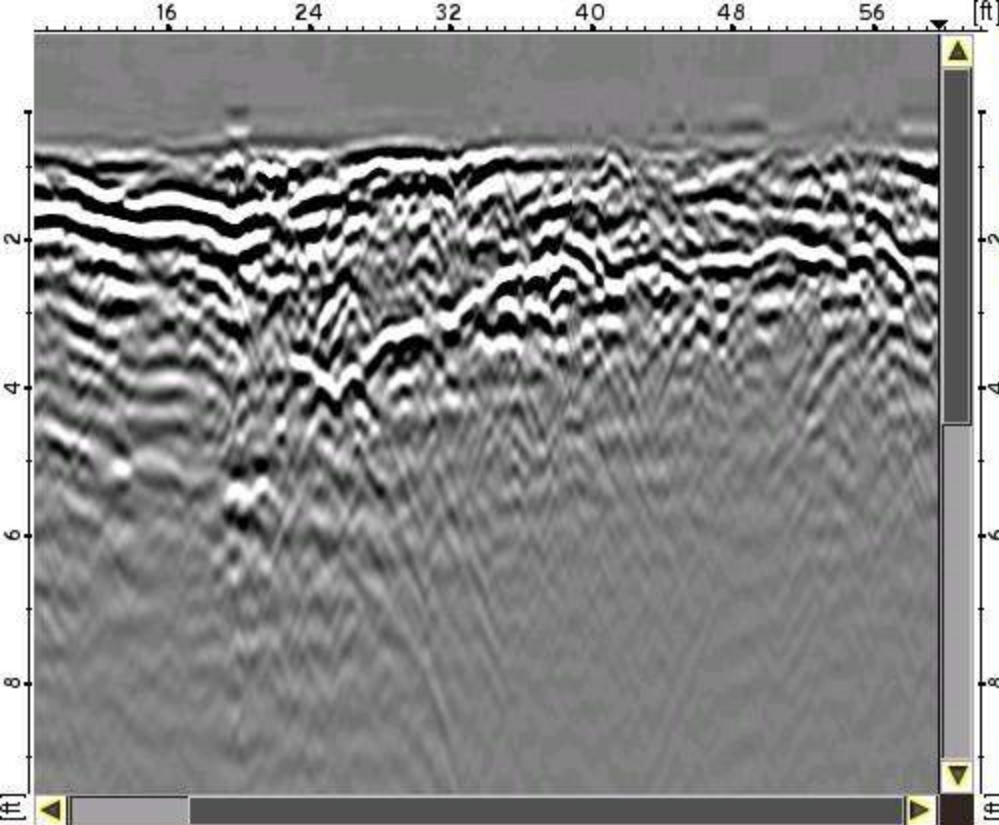
		Feed/Return Lines
		Concrete Under Asphalt
		Anomalies

6832 McAlpine St., Lyons Falls, NY - 2



Imagery ©2019 Google, Map data ©2019 50 ft

	Area of Concern
-------------------------------------------------------------------------------------	-----------------



Color calibration bar:

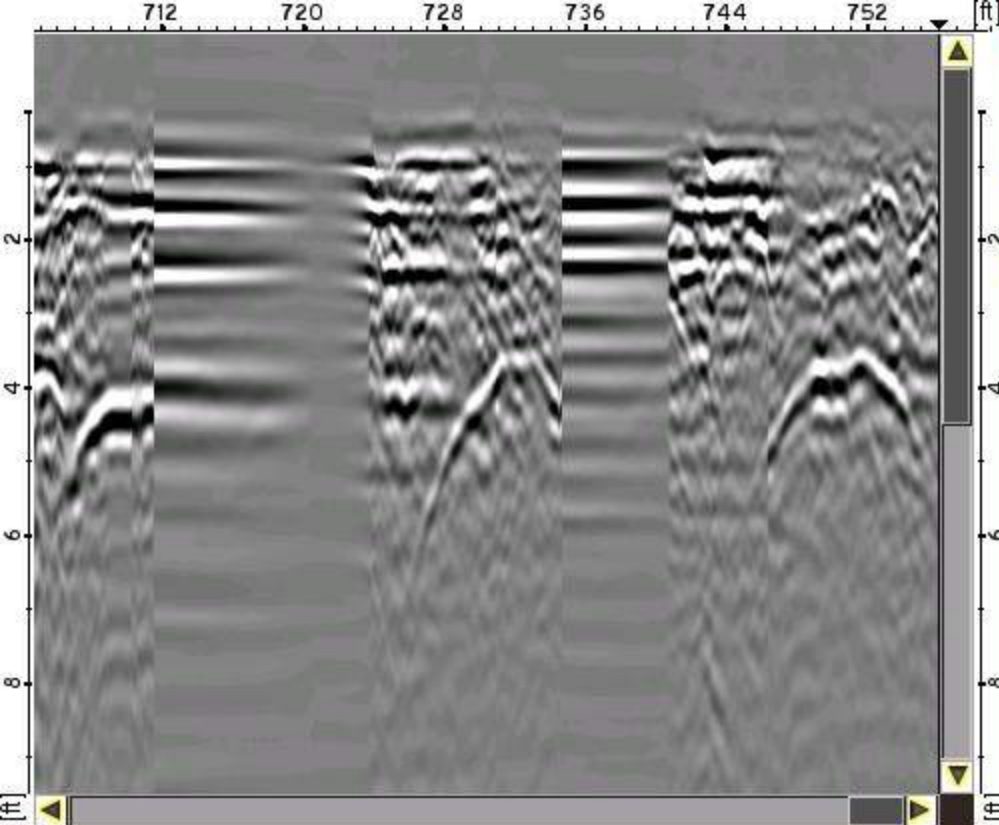
Stop

Camera

GPS Marker

File: 190514_080848.jpg 43.61933683N 75.36463117W

Soil: 300 ft/ μ s Antenna: HDR-Mid MI Trigger type: RTC Forward



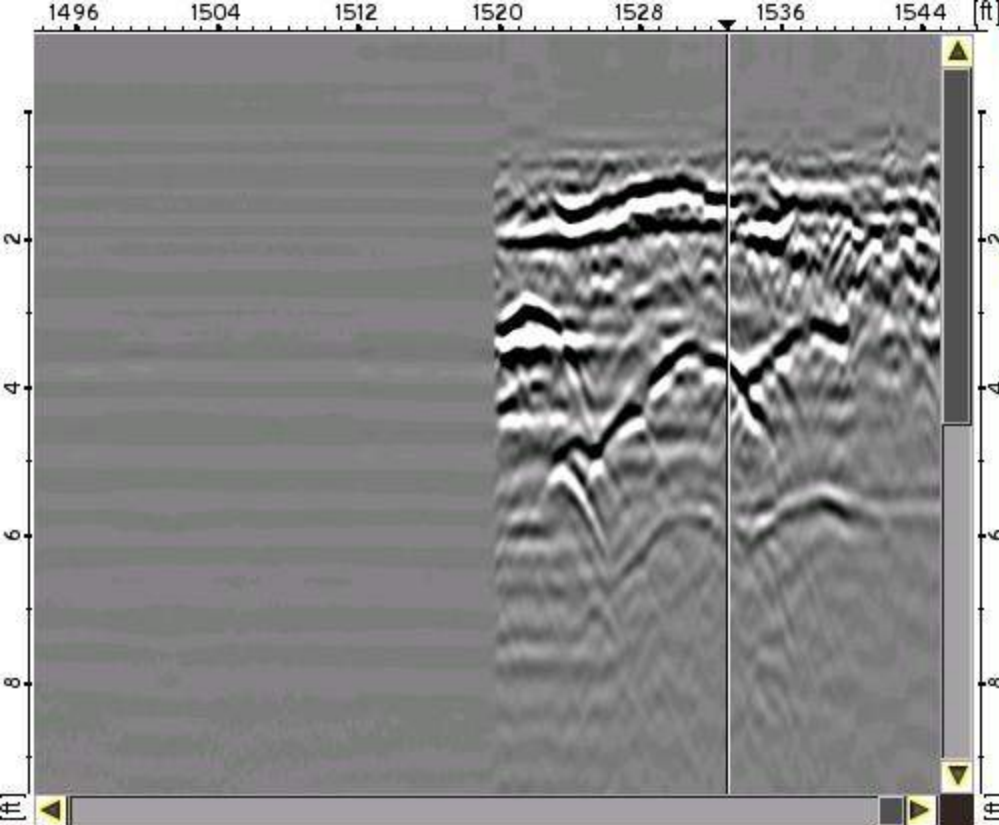
Color calibration bar:

Stop

GPS Marker

File: 190514_082602.jpg NO COORDINATES

Soil: 300 ft/ μ s Antenna: HDR-Mid MI Trigger type: RTC Forward



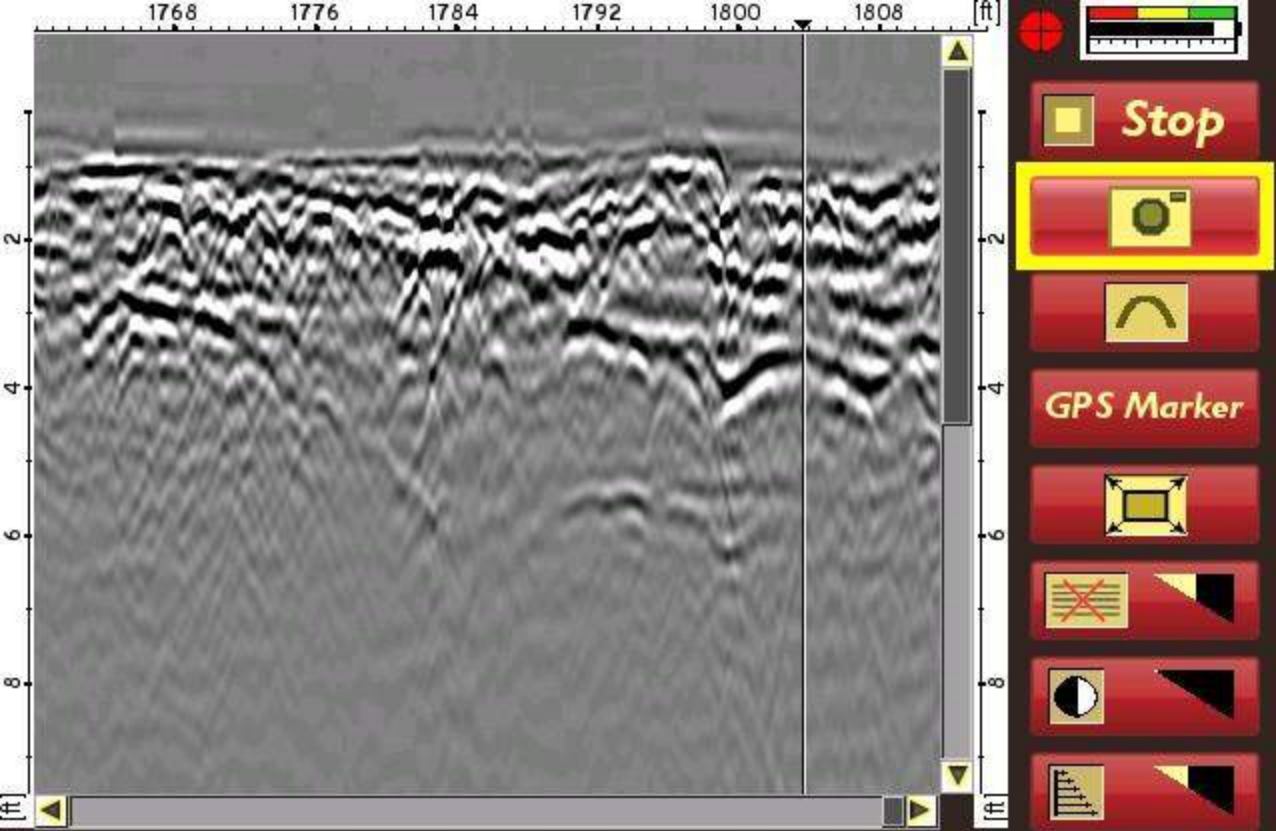
Color calibration bar:


Stop

GPS Marker

File: 190514_084553.jpg NO COORDINATES

Soil: 300 ft/ μ s Antenna: HDR-Mid MI Trigger type: RTC Forward



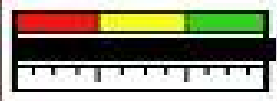
 File: 190514_085415.jpg NO COORDINATES

Soil: 300 ft/ μ s

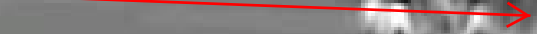
Antenna: HDR-Mid MI

Trigger type: RTC Forward

520 528 536 544 552 560 568 [ft]



Soil Disturbance
559'-562'. Anomaly at 2'



Stop

GPS Marker

Soil Disturbance

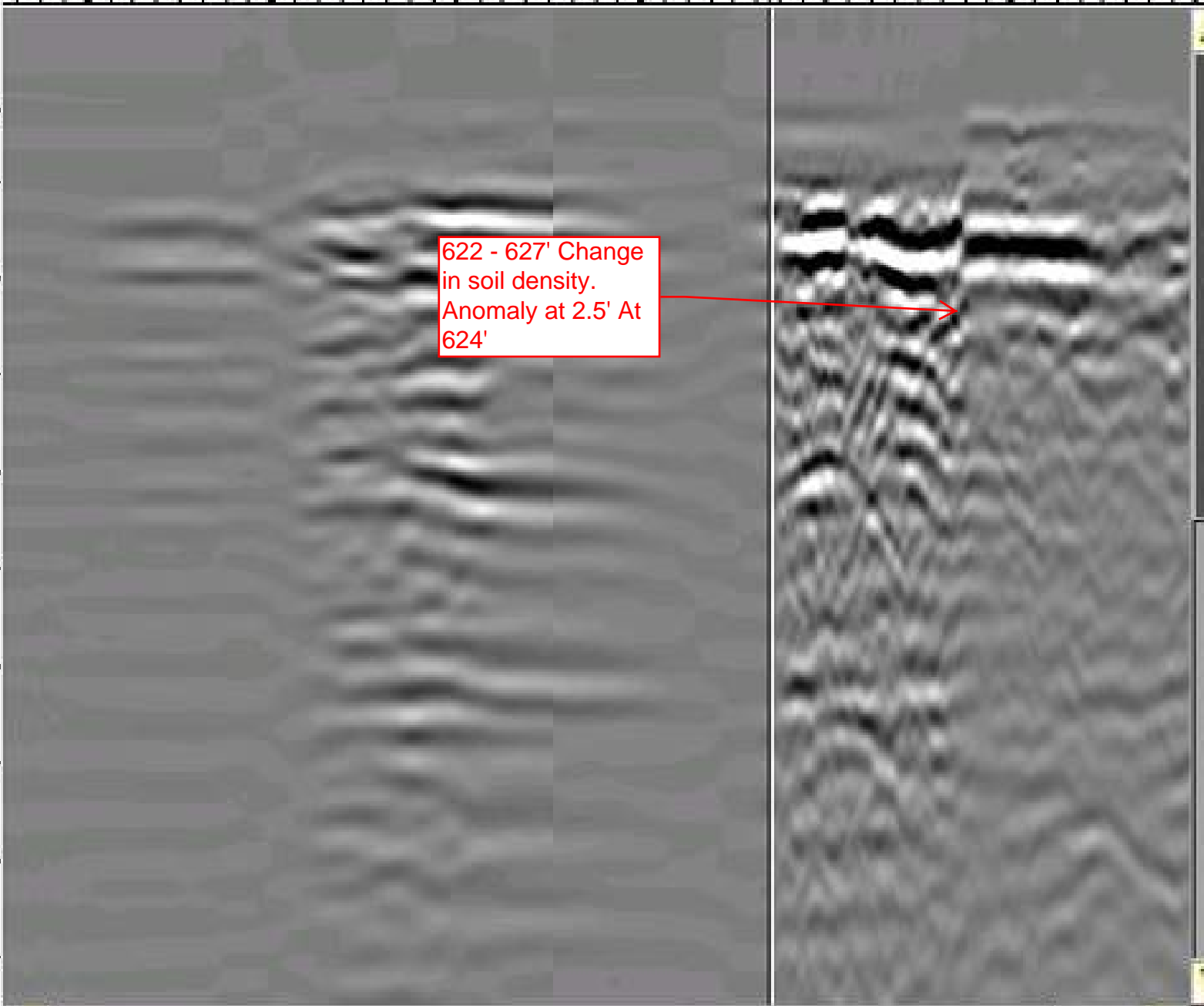
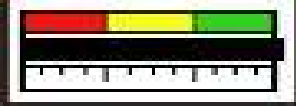
Antenna

Trigger type

File: 190529_083826.jpg NO COORDINATES

Soil: 300 ft/ μ s Antenna: HDR-Mid MI Trigger type: RTC Forward

584 592 600 608 616 624 632 [ft]



622 - 627' Change in soil density. Anomaly at 2.5' At 624'

2
4
6
8
[ft]

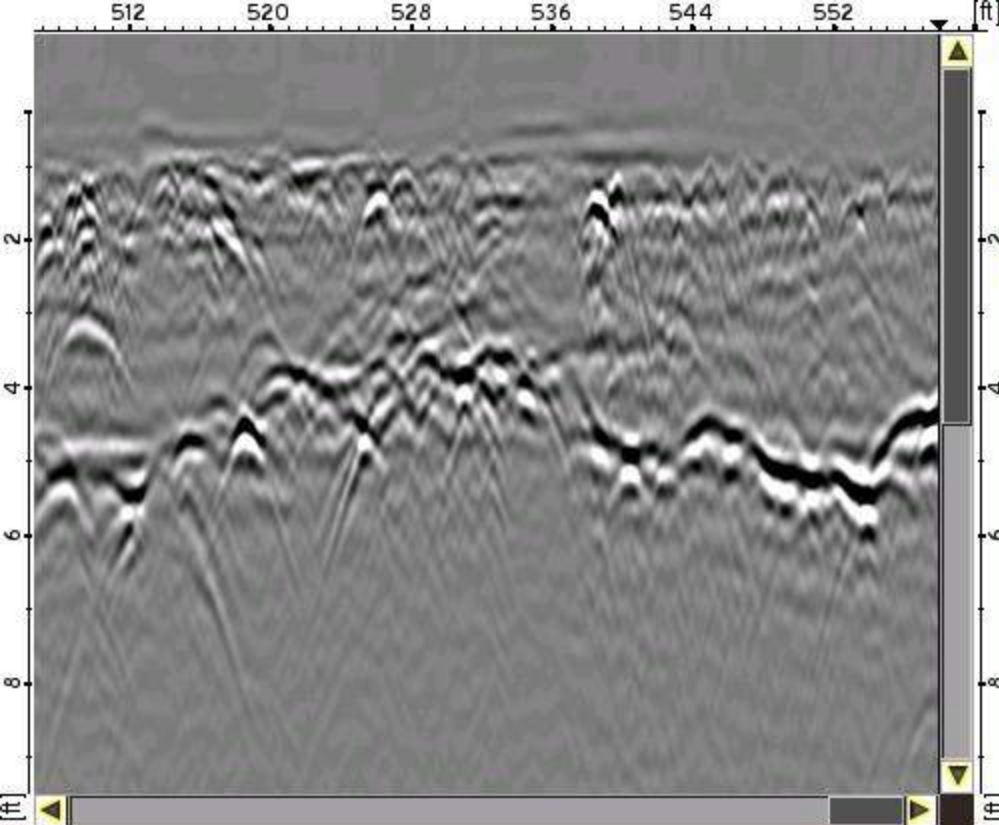
Stop

GPS Marker

Icons: Camera, Curved arrow, Square with arrows, Crossed-out list, Circle with arrow, Circle with arrow, Bar chart

File: 190529_084133.jpg NO COORDINATES

Soil: 300 ft/ μ s Antenna: HDR-Mid MI Trigger type: RTC Forward



Control panel for the GPR software, featuring a color calibration bar at the top right and a green circle icon. Below these are several red buttons with yellow icons:

- Stop**: A button with a yellow square icon.
- Camera**: A button with a yellow camera icon, highlighted with a yellow border.
- GPS Marker**: A button with a yellow curved arrow icon.
- Measurement**: A button with a yellow square and four arrows pointing outwards.
- Annotations**: A button with a yellow rectangle containing a red 'X' and a yellow triangle.
- Scale**: A button with a yellow circle and a black triangle.
- Layers**: A button with a yellow rectangle containing a black triangle and a white circle.

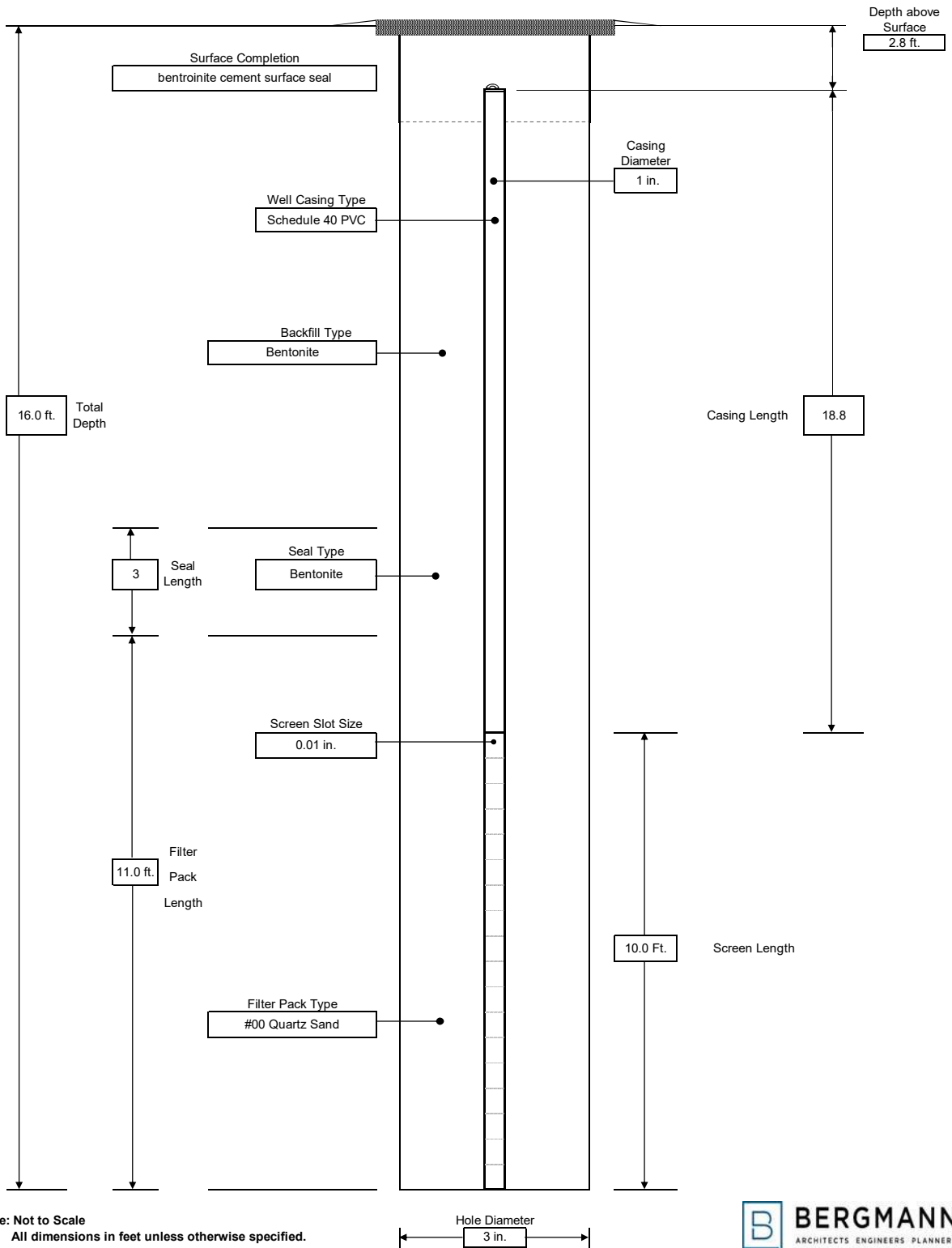
File: 190529_084412.jpg 43.61947783N 75.36516283W

Soil: 300 ft/ μ s Antenna: HDR-Mid MI Trigger type: RTC Forward



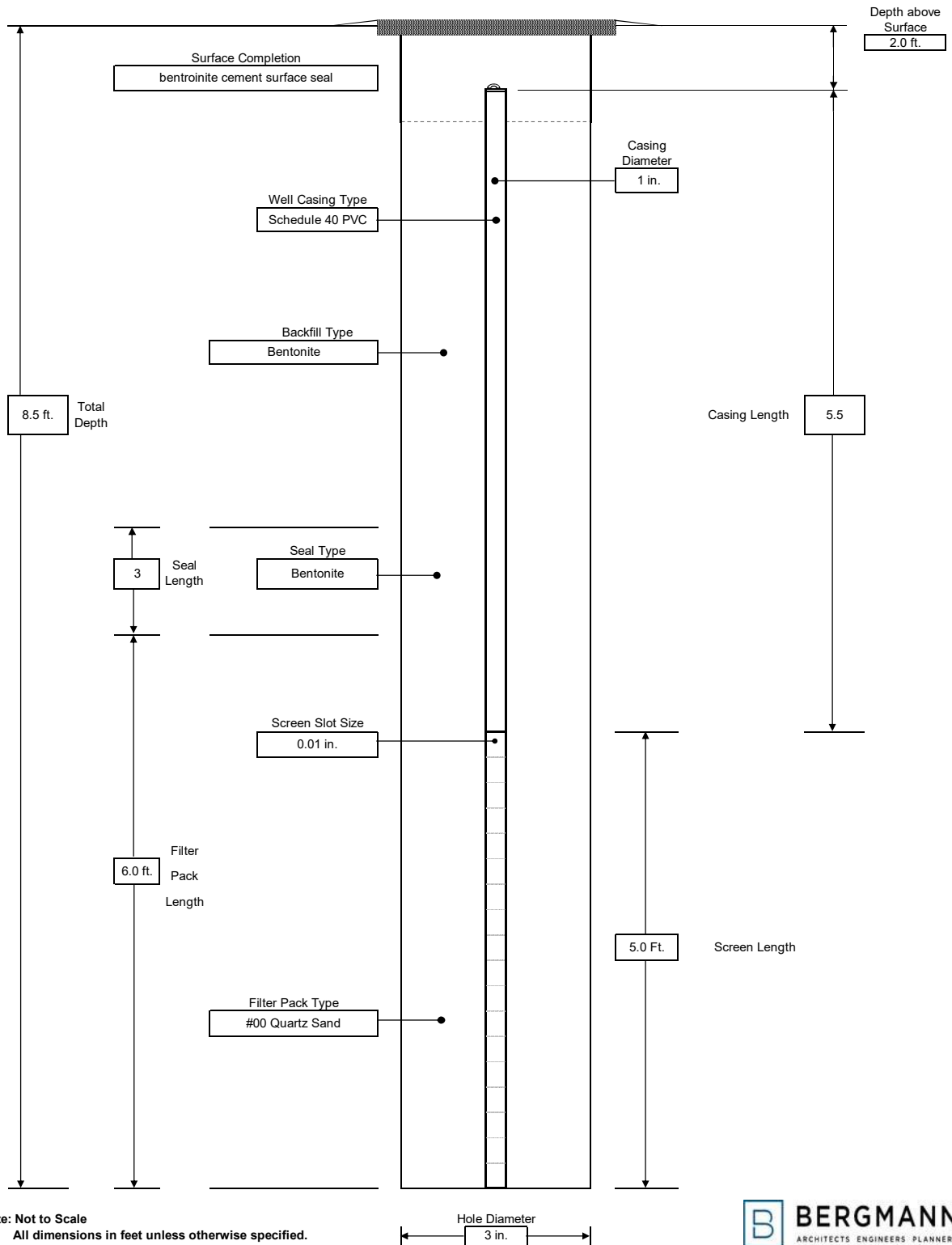
APPENDIX B

Project:	Limited Subsurface Investigation	Well Name:	MW - 1	WELL COMPLETION LOG	
Job No.:	Former Lyons Falls High School 6382 McAlpine St.	Date Installed :	May 29 2019	GW Depth / Date:	14.5 ft. 5/29/19
Development:	Surge and bailed	Formation of Completion:	Histroic Fill	Top of Casing Elevation:	NA
Comments:	Monitoring Well was installed in soil boring SB-5			Survey Date:	NA
Driller:	E. Hammond - TREC Environmental, Inc.			Drill Method	Direct push



Note: Not to Scale
All dimensions in feet unless otherwise specified.

Project:	Limited Subsurface Investigation	Well Name:	MW - 2	WELL COMPLETION LOG
Job No.:	Former Lyons Falls High School 6382 McAlpine St.	Date Installed:	May 29 2019	
Development:	Surge and bailed	GW Depth / Date:	8.0 ft. 5/29/19	
Formation of Completion:	Histroic Fill / Buried Topsoil / Lacustrine	Top of Casing Elevation:	NA	
Comments:	Monitoring Well was installed in soil boring SB-8	Survey Date:	NA	
Driller:	E. Hammond - TREC Environmental, Inc.	Drill Method:	Direct push	



Project: Limited Subsurface Investigation Former Lyons Falls School 6832 McAlpine Street Lyons Falls, NY
 Client: Lewis County
 Contractor: TREC Environmental, Inc.

File No: 10817
 Sheet No: 1 of 1
 Location: See Plan

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures	Elevation:
Type:	Macro	Macro	NA	Rig Type: Geoprobe 6400, track mounted	
Inside Diameter (IN):	1.8	1.8	NA	Bit Type: Direct Push	Datum:
Hemmer Weight (LB):	direct push	NA	NA	Drill Mud: None	Start: 5/29/2019
Hammer Fall (IN):	NA	NA	NA	Other:	5/29/2019
Other:	NA	NA	NA		Driller: J. Hammond
					Bergmann Rep: S. DeMeo

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0	0				0.2	Asphalt -PAVEMENT-
2			ND	S1		Light brown medium to fine SAND, trace cinders, moist. - HISTORIC FILL -
4	4	NA		25%	4	- HISTORIC FILL -
6	4		ND	S2		Gray and brown GRAVEL, little coarse to fine sand, trace silt, damp.
8	7	NA		20%	7.0	- LACUSTRINE-
10						Refusal of the geoprobe drilling equipment at 7.0 ft. (apparent top of bedrock)
12						Bottom of soil boring at 7.0ft.
14						
16						
18						
20						

Ground Water Data						Summary	
Date	Time	Elapsed Time (HR)	Bottom Of Casing	Bottom Of Hole	Groundwater Encountered	Overburden (Lin FT)	Rock Cored (Lin FT)
5/29/2019	1000	none	7.0 ft.	7.0 ft.	No	7.0	NA
						Samples: S2	



Project: Limited Subsurface Investigation Former Lyons Falls School 6832 McAlpine Street Lyons Falls, NY
 Client: Lewis County
 Contractor: TREC Environmental, Inc.

File No: 10817
 Sheet No: 1 of 1
 Location: See Plan

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures	Elevation:
Type:	Macro	Macro	NA	Rig Type: Geoprobe 6400, track mounted	
Inside Diameter (IN):	1.8	1.8	NA	Bit Type: Direct Push	Datum:
Hemmer Weight (LB):	direct push	NA	NA	Drill Mud: None	Start: 5/29/2019
Hammer Fall (IN):	NA	NA	NA	Other:	5/29/2019
Other:	NA	NA	NA		Driller: J. Hammond
					Bergmann Rep: S. DeMeo

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inches	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0	0				0.2	Asphalt -PAVEMENT-
2			ND	S1 25%		Light brown medium to fine SAND, trace cinders, moist. - HISTORIC FILL -
4	4	NA			4	- HISTORIC FILL -
6	4		ND	S2 50%		Gray and brown GRAVEL, little coarse to fine sand, trace silt, damp.
8	8	NA			7.0	- HISTORIC FILL -
10						Brown to gray CINDERS and ASH, damp. - HISTORIC FILL -
12						Bottom of soil boring at 8.0ft.
14						
16						
18						
20						

Ground Water Data						Summary	
Date	Time	Elapsed Time (HR)	Bottom Of Casing	Bottom Of Hole	Groundwater Encountered	Overburden (Lin FT)	Rock Cored (Lin FT)
5/29/2019	1030	none	8.0 ft.	8.0 ft.	No	8.0	NA
						Samples: S2	



Project: Limited Subsurface Investigation Former Lyons Falls School 6832 McAlpine Street Lyons Falls, NY
 Client: Lewis County
 Contractor: TREC Environmental, Inc.

File No: 10817
 Sheet No: 1 of 1
 Location: See Plan

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures	Elevation:
Type:	Macro	Macro	NA	Rig Type: Geoprobe 6400, track mounted	Datum:
Inside Diameter (IN):	1.8	1.8	NA	Bit Type: Direct Push	Start: 5/29/2019
Hemmer Weight (LB):	direct push	NA	NA	Drill Mud: None	5/29/2019
Hammer Fall (IN):	NA	NA	NA	Other:	
Other:	NA	NA	NA		Driller: J. Hammond
					Bergmann Rep: S. DeMeo

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0	0				0.2	Asphalt -PAVEMENT- Brown medium to fine SAND, trace silt and cinders, trace gray gravel, moist.
2			ND	S1 25%		- HISTORIC FILL -
4	4	NA			4	Brown to gray CINDERS and ASH, trace gravel, damp.
6			ND	S2 20%		- HISTORIC FILL -
8	8					Same.
10			ND	S3 60%		- HISTORIC FILL -
12	12	NA				Bottom of soil boring at 12.0 ft. Backfilled boring with soil cuttings.
14						
16						
18						
20						

Ground Water Data						Summary	
Date	Time	Elapsed Time (HR)	Bottom Of Casing	Bottom Of Hole	Groundwater Encountered	Overburden (Lin FT)	Rock Cored (Lin FT)
5/29/2019	1100	none	12.0 ft.	12.0 ft.	No	12.0	NA
						Samples: S3	



Project: Limited Subsurface Investigation Former Lyons Falls School 6832 McAlpine Street Lyons Falls, NY
 Client: Lewis County
 Contractor: TREC Environmental, Inc.

File No: 10817
 Sheet No: 1 of 1
 Location: See Plan

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures	Elevation:
Type:	Macro	Macro	NA	Rig Type: Geoprobe 6400, track mounted	Datum:
Inside Diameter (IN):	1.8	1.8	NA	Bit Type: Direct Push	Start: 5/29/2019
Hemmer Weight (LB):	direct push	NA	NA	Drill Mud: None	5/29/2019
Hammer Fall (IN):	NA	NA	NA	Other:	
Other:	NA	NA	NA		Driller: J. Hammond
					Bergmann Rep: S. DeMeo

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0	0		ND	S1		Brown medium to fine SAND, trace silt, damp. - HISTORIC FILL -
2				25%		- HISTORIC FILL -
4	4	NA				
4	4		ND	S2		Brown medium to fine SAND, trace gravel, damp., trace gravel, damp.
6		NA		20%		- HISTORIC FILL-
8	8					
8	8					Brown medium to fine SAND, little gray gravel, trace silt, damp.
10			ND	S3		- HISTORIC FILL -
12	12	NA				s
12	12					
14			ND	S4		
14	15			70%	14.5	
14	15	NA				Dark brown SILT, with root fibers.
16						Refusal of the geoprobe drilling equipment (apparent top of bedrock).
18						
20						

Ground Water Data						Summary	
			Depth			Overburden (Lin FT)	15.0
Date	Time	Elapsed Time (HR)	Bottom Of Casing	Bottom Of Hole	Groundwater Encountered	Rock Cored (Lin FT)	NA
5/29/2019	1100	none	15.0 ft.	15.0 ft.	No	Samples: S3	



Project: Limited Subsurface Investigation Former Lyons Falls School 6832 McAlpine Street Lyons Falls, NY
 Client: Lewis County
 Contractor: TREC Environmental, Inc.

File No: 10817
 Sheet No: 1 of 1
 Location: See Plan

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures	Elevation:
Type:	Macro	Macro	NA	Rig Type: Geoprobe 6400, track mounted	Datum:
Inside Diameter (IN):	1.8	1.8	NA	Bit Type: Direct Push	Start: 5/29/2019
Hemmer Weight (LB):	direct push	NA	NA	Drill Mud: None	5/29/2019
Hammer Fall (IN):	NA	NA	NA	Other:	
Other:	NA	NA	NA		Driller: J. Hammond
					Bergmann Rep: S. DeMeo

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0	0		ND	S1		Brown medium to fine SAND, trace silt, damp. - HISTORIC FILL -
2				25%		- HISTORIC FILL -
4	4	NA				Same.
6	4		ND	S2		- HISTORIC FILL -
8	8	NA		20%		Same.
10	8		ND	S3		- HISTORIC FILL -
12	12	NA		60%		Same.
14	12		ND	S4		- HISTORIC FILL -
16	15	NA		70%	14.5	Gray CINDERS and ASH, moist.
18						Refusal of the geoprobe drilling equipment at 15.0 ft. (apparent top of bedrock). Botom of soil boring at 15.0 Ft. Backfill soil boring to ground surface with soil cuttings.
20						Installed monitoring well MW-1 in completed borehole, see well report.

Ground Water Data						Summary	
			Depth			Overburden (Lin FT)	15.0
Date	Time	Elapsed Time (HR)	Bottom Of Casing	Bottom Of Hole	Groundwater Encountered	Rock Cored (Lin FT)	NA
5/29/2019	1300	none	15.0 ft.	15.0 ft.	No	Samples: S3	



Project: Limited Subsurface Investigation Former Lyons Falls School 6832 McAlpine Street Lyons Falls, NY
 Client: Lewis County
 Contractor: TREC Environmental, Inc.

File No: 10817
 Sheet No: 1 of 1
 Location: See Plan

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures	Elevation:
Type:	Macro	Macro	NA	Rig Type: Geoprobe 6400, track mounted	
Inside Diameter (IN):	1.8	1.8	NA	Bit Type: Direct Push	Datum:
Hemmer Weight (LB):	direct push	NA	NA	Drill Mud: None	Start: 5/29/2019
Hammer Fall (IN):	NA	NA	NA	Other:	5/29/2019
Other:	NA	NA	NA		Driller: J. Hammond
					Bergmann Rep: S. DeMeo

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0	0		ND	S1	0.5	Dark brown SILT, with root fibers, damp. - TOPSOIL - Brown medium to fine SAND, trace silt, damp.
2						Dark brown SILT, with root fibers, moist.
4						Refusal of the geoprobe drilling equipment at 3.0 ft. (apparent top of Rock) Bottom of soil boring at 3.0 ft. and backfilled to ground surface with soil cuttings.
6						
8						
10						
12						
14						
16						
18						
20						

Ground Water Data						Summary	
Date	Time	Elapsed Time (HR)	Bottom Of Casing	Bottom Of Hole	Groundwater Encountered	Overburden (Lin FT)	Rock Cored (Lin FT)
5/29/2019	1400	none	3.0 ft.	3.0 ft.	No	3.0	NA
						Samples: S1	



Project: Limited Subsurface Investigation Former Lyons Falls School 6832 McAlpine Street Lyons Falls, NY
 Client: Lewis County
 Contractor: TREC Environmental, Inc.

File No: 10817
 Sheet No: 1 of 1
 Location: See Plan

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures	Elevation:
Type:	Macro	Macro	NA	Rig Type: Geoprobe 6400, track mounted	
Inside Diameter (IN):	1.8	1.8	NA	Bit Type: Direct Push	Datum:
Hemmer Weight (LB):	direct push	NA	NA	Drill Mud: None	Start: 5/29/2019
Hammer Fall (IN):	NA	NA	NA	Other:	5/29/2019
Other:	NA	NA	NA		Driller: J. Hammond
					Bergmann Rep: S. DeMeo

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0	0		ND	S1	0.5	Dark brown SILT, with root fibers, damp. - TOPSOIL -
2					2.5	Brown medium to fine SAND, trace silt, damp. Dark brown SILT, with root fibers, moist.
4						Refusal of the geoprobe drilling equipment at 3.0 ft. (apparent top of Rock) Bottom of soil boring at 3.0 ft. and backfilled to ground surface with soil cuttings.
6						
8						
10						
12						
14						
16						
18						
20						

Ground Water Data						Summary	
Date	Time	Elapsed Time (HR)	Bottom Of Casing	Bottom Of Hole	Groundwater Encountered	Overburden (Lin FT)	Rock Cored (Lin FT)
5/29/2019	1400	none	3.0 ft.	3.0 ft.	No	3.0	NA
						Samples: S1	



Project: Limited Subsurface Investigation Former Lyons Falls School 6832 McAlpine Street Lyons Falls, NY
 Client: Lewis County
 Contractor: TREC Environmental, Inc.

File No: 10817
 Sheet No: 1 of 1
 Location: See Plan

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures	Elevation:
Type:	Macro	Macro	NA	Rig Type: Geoprobe 6400, track mounted	Datum:
Inside Diameter (IN):	1.8	1.8	NA	Bit Type: Direct Push	Start: 5/29/2019
Hemmer Weight (LB):	direct push	NA	NA	Drill Mud: None	5/29/2019
Hammer Fall (IN):	NA	NA	NA	Other:	
Other:	NA	NA	NA		Driller: J. Hammond
					Bergmann Rep: S. DeMeo

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0	0				0.5	Dark brown SILT, with root fibers, damp. - TOPSOIL -
2			ND	S1		Brown medium to fine SAND, trace silt, damp. - HISTORIC FILL -
4	4	NA		40%		
6						Same. - HISTORIC FILL -
8	8	NA	ND	S2		Dark brown to gray SILT, some medium to fine sand, wet. - BURIED TOPSOIL -
8	8.5	NA	ND	S3 100%		Light brown medium to fine SAND, wet. - LACUSTRINE -
10						Refusal of the geoprobe drilling equipment at 8.5 ft. (apparent top of bedrock) Installed monitoring well MW-2 in completed borehole, see well report.
12						
14						
16						
18						
20						

Ground Water Data						Summary	
Date	Time	Elapsed Time (HR)	Bottom Of Casing	Bottom Of Hole	Groundwater Encountered	Overburden (Lin FT)	Rock Cored (Lin FT)
5/29/2019	1300	none	8.5 ft.	8.5 ft.	yes at 5.0 ft.	3.0	NA
						Samples: S1	



Project: Limited Subsurface Investigation Former Lyons Falls School 6832 McAlpine Street Lyons Falls, NY
 Client: Lewis County
 Contractor: TREC Environmental, Inc.

File No: 10817
 Sheet No: 1 of 1
 Location: See Plan

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures	Elevation:
Type:	Macro	Macro	NA	Rig Type: Geoprobe 6400, track mounted	
Inside Diameter (IN):	1.8	1.8	NA	Bit Type: Direct Push	Datum:
Hemmer Weight (LB):	direct push	NA	NA	Drill Mud: None	Start: 5/29/2019
Hammer Fall (IN):	NA	NA	NA	Other:	5/29/2019
Other:	NA	NA	NA		Driller: J. Hammond
					Bergmann Rep: S. DeMeo

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0	0		ND	S1		Brown medium to fine SAND, trace gravel, trace silt, damp.
2				50%		- HISTROIC FILL -
4	4	NA				Same, except with trace cinders.
6			ND	S2		- HISTROIC FILL -
8	8	NA	ND	75%		same,
10			ND	S3		- HISTROIC FILL -
12	11.5	NA				Refusal of the geoprobe drilling equipment at 11.5 ft. Bottom of the boring at 11.5 ft. and backfilled boring to ground surface with soil cuttings.
14						
16						
18						
20						

Ground Water Data						Summary	
Date	Time	Elapsed Time (HR)	Bottom Of Casing	Bottom Of Hole	Groundwater Encountered	Overburden (Lin FT)	Rock Cored (Lin FT)
5/29/2019	1500	none	11.5 ft.	11.5 ft.	No	11.5	NA
						Samples: S3	



Project: Limited Subsurface Investigation Former Lyons Falls School 6832 McAlpine Street Lyons Falls, NY
 Client: Lewis County
 Contractor: TREC Environmental, Inc.

File No: 10817
 Sheet No: 1 of 1
 Location: See Plan

Item	Casing	Drive Sampler	Core Barrel	Excavation Equipment and Procedures	Elevation:
Type:	NA	NA	NA	Excavator: kabota	Datum:
Inside Diameter (IN):	NA	NA	NA	Reach: 12 feet	Start: 6/19/2018
Hemmer Weight (LB):	NA	NA	NA	Bucket: 12 inch.	Finish: 6/19/2018
Hammer Fall (IN):	NA	NA	NA	Other: Excavate test pits to approximately 10 ft. and backfill to ground surface	Operator: J. Ager
Other:	NA	NA	NA		Geologist: S. DeMeo

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0					0.3	Pavement
			ND		1.5	Dark brown to gray GRAVEL, some coarse to fine sand, damp. - Histroic Fill -
2						Brown GRAVEL, some coarse to fine sand with cobbles, trace brick fragmants, damp. - Histroic Fill -
			ND			
4						- Histroic Fill -
					5	
6						Light Brown GRAVEL, some coarse to fine sand with cobbles, damp.
			ND			
8						- OUTWASH -
10						
						Bottom of test pit excavation at approximately 10.0 ft.
12						Backfilled test pit to ground surface.
14						
16						
18						
20						

Groundwater Data						Summary	
			Depth			Overburden (Lin FT) 10.0	
Date	Time	Elapsed Time (HR)	Bottom Of Casing	Bottom Of Hole	Water		
6/19/2018	NA	NA	NA	10.0 ft.	NO		




Project: Limited Subsurface Investigation Former Lyons Falls School 6832 McAlpine Street Lyons Falls, NY
 Client: Lewis County
 Contractor: TREC Environmental, Inc.

File No: 10817
 Sheet No: 1 of 1
 Location: See Plan

Item	Casing	Drive Sampler	Core Barrel	Excavation Equipment and Procedures	Elevation:
Type:	NA	NA	NA	Excavator: kabota	Datum:
Inside Diameter (IN):	NA	NA	NA	Reach: 12 feet	Start: 6/19/2018
Hemmer Weight (LB):	NA	NA	NA	Bucket: 12 inch.	Finish: 6/19/2018
Hammer Fall (IN):	NA	NA	NA	Other: Excavate test pits to approximately 10 ft. and backfill to ground surface	Operator: J. Ager
Other:	NA	NA	NA		Geologist: S. DeMeo

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0					0.3	Pavement
			ND		1.0	Gray GRAVEL, some coarse to fine sand, damp. - Histroic Fill -
2					2	Gray CINDERS and ASH, damp. - Histroic Fill -
			ND			Brown GRAVEL, some coarse to fine sand with cinder and ash, trace concrete, damp.
4						- Histroic Fill -
			ND		5	Light Brown GRAVEL, some coarse to fine sand with cobbles, damp.
6						- OUTWASH -
8						
10						Bottom of test pit excavation at approximately 10.0 ft.
12						Backfilled test pit to ground surface.
14						
16						
18						
20						

Groundwater Data						Summary	
			Depth			Overburden (Lin FT) 10.0	
Date	Time	Elapsed Time (HR)	Bottom Of Casing	Bottom Of Hole	Water		
6/19/2018	NA	NA	NA	10.0 ft.	NO		



Project: Limited Subsurface Investigation Former Lyons Falls School 6832 McAlpine Street Lyons Falls, NY
 Client: Lewis County
 Contractor: TREC Environmental, Inc.

File No: 10817
 Sheet No: 1 of 1
 Location: See Plan

Item	Casing	Drive Sampler	Core Barrel	Excavation Equipment and Procedures	Elevation:
Type:	NA	NA	NA	Excavator: kabota	Datum:
Inside Diameter (IN):	NA	NA	NA	Reach: 12 feet	Start: 6/19/2018
Hemmer Weight (LB):	NA	NA	NA	Bucket: 12 inch.	Finish: 6/19/2018
Hammer Fall (IN):	NA	NA	NA	Other: Excavate test pits to approximately 10 ft. and backfill to ground surface	Operator: J. Ager
Other:	NA	NA	NA		Geologist: S. DeMeo

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0					0.3	Pavement
			ND		1.0	Gray GRAVEL, some coarse to fine sand, damp. - Historic Fill -
2					2	Brown GRAVEL, some coarse to fin sand, trace brick fragmants, damp, damp. - Historic Fill -
			ND			Brown and white STONE Rubble and BOLDERS, with cut marble stone, damp.
4					6	- Historic Fill -
						Gray SILT, with wood fragments, moist
6					8	- Historic Fill -
			ND			Brown GRAVEL, some coarse to fine sand, with coal fragmants, moist.
8						- Historic Fill -
10						Bottom of test pit excavation at approximately 10.0 ft.
12						Backfilled test pit to ground surface.
14						
16						
18						
20						

Groundwater Data					Summary	
			Depth		Overburden (Lin FT) 10.0	
Date	Time	Elapsed Time (HR)	Bottom Of Casing	Bottom Of Hole	Water	
6/19/2018	NA	NA	NA	10.0 ft.	NO	



Project: Limited Subsurface Investigation Former Lyons Falls School 6832 McAlpine Street Lyons Falls, NY
 Client: Lewis County
 Contractor: TREC Environmental, Inc.

File No: 10817
 Sheet No: 1 of 1
 Location: See Plan

Item	Casing	Drive Sampler	Core Barrel	Excavation Equipment and Procedures	Elevation:
Type:	NA	NA	NA	Excavator: kabota	Datum:
Inside Diameter (IN):	NA	NA	NA	Reach: 12 feet	Start: 6/19/2018
Hemmer Weight (LB):	NA	NA	NA	Bucket: 12 inch.	Finish: 6/19/2018
Hammer Fall (IN):	NA	NA	NA	Other: Excavate test pits to approximately 10 ft. and backfill to ground surface	Operator: J. Ager
Other:	NA	NA	NA		Geologist: S. DeMeo

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0			ND			Brown medium to fine SAND, some silt, with root fibers, damp.
2					3	- Historic Fill - Black CINDERS and ASH with coal
4			ND		4	- Historic Fill - Gray to Black SILT, with wood chips and wood, wet.
6			1.1			- Historic Fill -
8			ND		8	- Historic Fill - Brown SAND, some gravel, trace silt, wet.
10						- ALLUVIUM -
12						Bottom of test pit excavation at approximately 10.0 ft. Backfilled test pit to ground surface.
14						
16						
18						
20						

Groundwater Data						Summary	
			Depth			Overburden (Lin FT)	10.0
Date	Time	Elapsed Time (HR)	Bottom Of Casing	Bottom Of Hole	Water		
6/19/2018	NA	NA	NA	5.0 ft.	Yes		





APPENDIX C



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
Bergmann Associates

For Lab Project ID

192418

Referencing

Former Lyons Falls High School Lyons Falls NY

Prepared

Thursday, June 6, 2019

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, appearing to read "J. Neutcher", is written over a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

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Report Prepared Thursday, June 6, 2019

Page 1 of 49

Client: Bergmann Associates
Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-5 (11.5-12.0 ft.)

Lab Sample ID: 192418-01

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Semi-Volatile Organics (Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 307	ug/Kg		5/31/2019 15:48
1,2,4,5-Tetrachlorobenzene	< 307	ug/Kg		5/31/2019 15:48
1,2,4-Trichlorobenzene	< 307	ug/Kg		5/31/2019 15:48
1,2-Dichlorobenzene	< 307	ug/Kg		5/31/2019 15:48
1,3-Dichlorobenzene	< 307	ug/Kg		5/31/2019 15:48
1,4-Dichlorobenzene	< 307	ug/Kg		5/31/2019 15:48
2,2-Oxybis (1-chloropropane)	< 307	ug/Kg		5/31/2019 15:48
2,4-Dinitrotoluene	< 307	ug/Kg		5/31/2019 15:48
2,6-Dinitrotoluene	< 307	ug/Kg		5/31/2019 15:48
2-Chloronaphthalene	< 307	ug/Kg		5/31/2019 15:48
2-Methylnaphthalene	< 307	ug/Kg		5/31/2019 15:48
2-Nitroaniline	< 307	ug/Kg		5/31/2019 15:48
3,3'-Dichlorobenzidine	< 307	ug/Kg		5/31/2019 15:48
3-Nitroaniline	< 307	ug/Kg		5/31/2019 15:48
4-Bromophenyl phenyl ether	< 307	ug/Kg		5/31/2019 15:48
4-Chloroaniline	< 307	ug/Kg		5/31/2019 15:48
4-Chlorophenyl phenyl ether	< 307	ug/Kg		5/31/2019 15:48
4-Nitroaniline	< 307	ug/Kg		5/31/2019 15:48
Acenaphthene	< 307	ug/Kg		5/31/2019 15:48
Acenaphthylene	< 307	ug/Kg		5/31/2019 15:48
Acetophenone	< 307	ug/Kg		5/31/2019 15:48
Anthracene	< 307	ug/Kg		5/31/2019 15:48
Atrazine	< 307	ug/Kg		5/31/2019 15:48
Benzaldehyde	< 307	ug/Kg		5/31/2019 15:48
Benzo (a) anthracene	< 307	ug/Kg		5/31/2019 15:48
Benzo (a) pyrene	< 307	ug/Kg		5/31/2019 15:48
Benzo (b) fluoranthene	< 307	ug/Kg		5/31/2019 15:48
Benzo (g,h,i) perylene	< 307	ug/Kg		5/31/2019 15:48

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Client: Bergmann Associates
Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-5 (11.5-12.0 ft.)

Lab Sample ID: 192418-01

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Benzo (k) fluoranthene	< 307	ug/Kg	5/31/2019	15:48
Bis (2-chloroethoxy) methane	< 307	ug/Kg	5/31/2019	15:48
Bis (2-chloroethyl) ether	< 307	ug/Kg	5/31/2019	15:48
Bis (2-ethylhexyl) phthalate	< 307	ug/Kg	5/31/2019	15:48
Butylbenzylphthalate	< 307	ug/Kg	5/31/2019	15:48
Caprolactam	< 307	ug/Kg	5/31/2019	15:48
Carbazole	< 307	ug/Kg	5/31/2019	15:48
Chrysene	< 307	ug/Kg	5/31/2019	15:48
Dibenz (a,h) anthracene	< 307	ug/Kg	5/31/2019	15:48
Dibenzofuran	< 307	ug/Kg	5/31/2019	15:48
Diethyl phthalate	< 307	ug/Kg	5/31/2019	15:48
Dimethyl phthalate	< 307	ug/Kg	5/31/2019	15:48
Di-n-butyl phthalate	< 307	ug/Kg	5/31/2019	15:48
Di-n-octylphthalate	< 307	ug/Kg	5/31/2019	15:48
Fluoranthene	< 307	ug/Kg	5/31/2019	15:48
Fluorene	< 307	ug/Kg	5/31/2019	15:48
Hexachlorobenzene	< 307	ug/Kg	5/31/2019	15:48
Hexachlorobutadiene	< 307	ug/Kg	5/31/2019	15:48
Hexachlorocyclopentadiene	< 1230	ug/Kg	5/31/2019	15:48
Hexachloroethane	< 307	ug/Kg	5/31/2019	15:48
Indeno (1,2,3-cd) pyrene	< 307	ug/Kg	5/31/2019	15:48
Isophorone	< 307	ug/Kg	5/31/2019	15:48
Naphthalene	< 307	ug/Kg	5/31/2019	15:48
Nitrobenzene	< 307	ug/Kg	5/31/2019	15:48
N-Nitroso-di-n-propylamine	< 307	ug/Kg	5/31/2019	15:48
N-Nitrosodiphenylamine	< 307	ug/Kg	5/31/2019	15:48
Phenanthrene	< 307	ug/Kg	5/31/2019	15:48
Pyrene	< 307	ug/Kg	5/31/2019	15:48

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Client: Bergmann Associates

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-5 (11.5-12.0 ft.)

Lab Sample ID: 192418-01

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
2-Fluorobiphenyl	61.6	34.1 - 82		5/31/2019 15:48
Nitrobenzene-d5	61.9	31.2 - 77.2		5/31/2019 15:48
Terphenyl-d14	74.0	37.7 - 94.8		5/31/2019 15:48

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 5/31/2019
Data File: B37473.D

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,1,1-Trichloroethane	< 7.69	ug/Kg		6/4/2019 17:13
1,1,2,2-Tetrachloroethane	< 7.69	ug/Kg		6/4/2019 17:13
1,1,2-Trichloroethane	< 7.69	ug/Kg		6/4/2019 17:13
1,1-Dichloroethane	< 7.69	ug/Kg		6/4/2019 17:13
1,1-Dichloroethene	< 7.69	ug/Kg		6/4/2019 17:13
1,2,3-Trichlorobenzene	< 19.2	ug/Kg		6/4/2019 17:13
1,2,4-Trichlorobenzene	< 19.2	ug/Kg		6/4/2019 17:13
1,2,4-Trimethylbenzene	< 7.69	ug/Kg		6/4/2019 17:13
1,2-Dibromo-3-Chloropropane	< 38.4	ug/Kg		6/4/2019 17:13
1,2-Dibromoethane	< 7.69	ug/Kg		6/4/2019 17:13
1,2-Dichlorobenzene	< 7.69	ug/Kg		6/4/2019 17:13
1,2-Dichloroethane	< 7.69	ug/Kg		6/4/2019 17:13
1,2-Dichloropropane	< 7.69	ug/Kg		6/4/2019 17:13
1,3,5-Trimethylbenzene	< 7.69	ug/Kg		6/4/2019 17:13
1,3-Dichlorobenzene	< 7.69	ug/Kg		6/4/2019 17:13
1,4-Dichlorobenzene	< 7.69	ug/Kg		6/4/2019 17:13
1,4-Dioxane	< 76.9	ug/Kg		6/4/2019 17:13
2-Butanone	< 38.4	ug/Kg		6/4/2019 17:13
2-Hexanone	< 19.2	ug/Kg		6/4/2019 17:13
4-Methyl-2-pentanone	< 19.2	ug/Kg		6/4/2019 17:13
Acetone	< 38.4	ug/Kg		6/4/2019 17:13

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Client: Bergmann Associates
Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-5 (11.5-12.0 ft.)

Lab Sample ID: 192418-01

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Benzene	< 7.69	ug/Kg	6/4/2019 17:13
Bromochloromethane	< 19.2	ug/Kg	6/4/2019 17:13
Bromodichloromethane	< 7.69	ug/Kg	6/4/2019 17:13
Bromoform	< 19.2	ug/Kg	6/4/2019 17:13
Bromomethane	< 7.69	ug/Kg	6/4/2019 17:13
Carbon disulfide	< 7.69	ug/Kg	6/4/2019 17:13
Carbon Tetrachloride	< 7.69	ug/Kg	6/4/2019 17:13
Chlorobenzene	< 7.69	ug/Kg	6/4/2019 17:13
Chloroethane	< 7.69	ug/Kg	6/4/2019 17:13
Chloroform	< 7.69	ug/Kg	6/4/2019 17:13
Chloromethane	< 7.69	ug/Kg	6/4/2019 17:13
cis-1,2-Dichloroethene	< 7.69	ug/Kg	6/4/2019 17:13
cis-1,3-Dichloropropene	< 7.69	ug/Kg	6/4/2019 17:13
Cyclohexane	< 38.4	ug/Kg	6/4/2019 17:13
Dibromochloromethane	< 7.69	ug/Kg	6/4/2019 17:13
Dichlorodifluoromethane	< 7.69	ug/Kg	6/4/2019 17:13
Ethylbenzene	< 7.69	ug/Kg	6/4/2019 17:13
Freon 113	< 7.69	ug/Kg	6/4/2019 17:13
Isopropylbenzene	< 7.69	ug/Kg	6/4/2019 17:13
m,p-Xylene	< 7.69	ug/Kg	6/4/2019 17:13
Methyl acetate	< 7.69	ug/Kg	6/4/2019 17:13
Methyl tert-butyl Ether	< 7.69	ug/Kg	6/4/2019 17:13
Methylcyclohexane	< 7.69	ug/Kg	6/4/2019 17:13
Methylene chloride	< 19.2	ug/Kg	6/4/2019 17:13
Naphthalene	< 19.2	ug/Kg	6/4/2019 17:13
n-Butylbenzene	< 7.69	ug/Kg	6/4/2019 17:13
n-Propylbenzene	< 7.69	ug/Kg	6/4/2019 17:13
o-Xylene	< 7.69	ug/Kg	6/4/2019 17:13
p-Isopropyltoluene	< 7.69	ug/Kg	6/4/2019 17:13
sec-Butylbenzene	< 7.69	ug/Kg	6/4/2019 17:13

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Client: Bergmann Associates

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-5 (11.5-12.0 ft.)

Lab Sample ID: 192418-01

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Styrene	< 19.2	ug/Kg	6/4/2019 17:13
tert-Butylbenzene	< 7.69	ug/Kg	6/4/2019 17:13
Tetrachloroethene	< 7.69	ug/Kg	6/4/2019 17:13
Toluene	< 7.69	ug/Kg	6/4/2019 17:13
trans-1,2-Dichloroethene	< 7.69	ug/Kg	6/4/2019 17:13
trans-1,3-Dichloropropene	< 7.69	ug/Kg	6/4/2019 17:13
Trichloroethene	< 7.69	ug/Kg	6/4/2019 17:13
Trichlorofluoromethane	< 7.69	ug/Kg	6/4/2019 17:13
Vinyl chloride	< 7.69	ug/Kg	6/4/2019 17:13

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	109	70.5 - 138		6/4/2019 17:13
4-Bromofluorobenzene	89.4	66.2 - 124		6/4/2019 17:13
Pentafluorobenzene	94.9	86 - 110		6/4/2019 17:13
Toluene-D8	95.0	81.6 - 113		6/4/2019 17:13

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x61539.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

Client: Bergmann Associates
Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-9 (11.0-11.5 ft.)

Lab Sample ID: 192418-02

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Semi-Volatile Organics (Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 310	ug/Kg		5/31/2019 16:18
1,2,4,5-Tetrachlorobenzene	< 310	ug/Kg		5/31/2019 16:18
1,2,4-Trichlorobenzene	< 310	ug/Kg		5/31/2019 16:18
1,2-Dichlorobenzene	< 310	ug/Kg		5/31/2019 16:18
1,3-Dichlorobenzene	< 310	ug/Kg		5/31/2019 16:18
1,4-Dichlorobenzene	< 310	ug/Kg		5/31/2019 16:18
2,2-Oxybis (1-chloropropane)	< 310	ug/Kg		5/31/2019 16:18
2,4-Dinitrotoluene	< 310	ug/Kg		5/31/2019 16:18
2,6-Dinitrotoluene	< 310	ug/Kg		5/31/2019 16:18
2-Chloronaphthalene	< 310	ug/Kg		5/31/2019 16:18
2-Methylnaphthalene	< 310	ug/Kg		5/31/2019 16:18
2-Nitroaniline	< 310	ug/Kg		5/31/2019 16:18
3,3'-Dichlorobenzidine	< 310	ug/Kg		5/31/2019 16:18
3-Nitroaniline	< 310	ug/Kg		5/31/2019 16:18
4-Bromophenyl phenyl ether	< 310	ug/Kg		5/31/2019 16:18
4-Chloroaniline	< 310	ug/Kg		5/31/2019 16:18
4-Chlorophenyl phenyl ether	< 310	ug/Kg		5/31/2019 16:18
4-Nitroaniline	< 310	ug/Kg		5/31/2019 16:18
Acenaphthene	< 310	ug/Kg		5/31/2019 16:18
Acenaphthylene	< 310	ug/Kg		5/31/2019 16:18
Acetophenone	< 310	ug/Kg		5/31/2019 16:18
Anthracene	< 310	ug/Kg		5/31/2019 16:18
Atrazine	< 310	ug/Kg		5/31/2019 16:18
Benzaldehyde	< 310	ug/Kg		5/31/2019 16:18
Benzo (a) anthracene	< 310	ug/Kg		5/31/2019 16:18
Benzo (a) pyrene	< 310	ug/Kg		5/31/2019 16:18
Benzo (b) fluoranthene	< 310	ug/Kg		5/31/2019 16:18
Benzo (g,h,i) perylene	< 310	ug/Kg		5/31/2019 16:18

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Client: Bergmann Associates
Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-9 (11.0-11.5 ft.)

Lab Sample ID: 192418-02

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Benzo (k) fluoranthene	< 310	ug/Kg	5/31/2019 16:18
Bis (2-chloroethoxy) methane	< 310	ug/Kg	5/31/2019 16:18
Bis (2-chloroethyl) ether	< 310	ug/Kg	5/31/2019 16:18
Bis (2-ethylhexyl) phthalate	< 310	ug/Kg	5/31/2019 16:18
Butylbenzylphthalate	< 310	ug/Kg	5/31/2019 16:18
Caprolactam	< 310	ug/Kg	5/31/2019 16:18
Carbazole	< 310	ug/Kg	5/31/2019 16:18
Chrysene	< 310	ug/Kg	5/31/2019 16:18
Dibenz (a,h) anthracene	< 310	ug/Kg	5/31/2019 16:18
Dibenzofuran	< 310	ug/Kg	5/31/2019 16:18
Diethyl phthalate	< 310	ug/Kg	5/31/2019 16:18
Dimethyl phthalate	< 310	ug/Kg	5/31/2019 16:18
Di-n-butyl phthalate	< 310	ug/Kg	5/31/2019 16:18
Di-n-octylphthalate	< 310	ug/Kg	5/31/2019 16:18
Fluoranthene	< 310	ug/Kg	5/31/2019 16:18
Fluorene	< 310	ug/Kg	5/31/2019 16:18
Hexachlorobenzene	< 310	ug/Kg	5/31/2019 16:18
Hexachlorobutadiene	< 310	ug/Kg	5/31/2019 16:18
Hexachlorocyclopentadiene	< 1240	ug/Kg	5/31/2019 16:18
Hexachloroethane	< 310	ug/Kg	5/31/2019 16:18
Indeno (1,2,3-cd) pyrene	< 310	ug/Kg	5/31/2019 16:18
Isophorone	< 310	ug/Kg	5/31/2019 16:18
Naphthalene	< 310	ug/Kg	5/31/2019 16:18
Nitrobenzene	< 310	ug/Kg	5/31/2019 16:18
N-Nitroso-di-n-propylamine	< 310	ug/Kg	5/31/2019 16:18
N-Nitrosodiphenylamine	< 310	ug/Kg	5/31/2019 16:18
Phenanthrene	< 310	ug/Kg	5/31/2019 16:18
Pyrene	< 310	ug/Kg	5/31/2019 16:18

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Client: Bergmann Associates
Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-9 (11.0-11.5 ft.)

Lab Sample ID: 192418-02

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
2-Fluorobiphenyl	67.4	34.1 - 82		5/31/2019 16:18
Nitrobenzene-d5	68.0	31.2 - 77.2		5/31/2019 16:18
Terphenyl-d14	75.2	37.7 - 94.8		5/31/2019 16:18

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 5/31/2019

Data File: B37474.D

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,1,1-Trichloroethane	< 6.38	ug/Kg		6/4/2019 17:36
1,1,2,2-Tetrachloroethane	< 6.38	ug/Kg		6/4/2019 17:36
1,1,2-Trichloroethane	< 6.38	ug/Kg		6/4/2019 17:36
1,1-Dichloroethane	< 6.38	ug/Kg		6/4/2019 17:36
1,1-Dichloroethene	< 6.38	ug/Kg		6/4/2019 17:36
1,2,3-Trichlorobenzene	< 16.0	ug/Kg		6/4/2019 17:36
1,2,4-Trichlorobenzene	< 16.0	ug/Kg		6/4/2019 17:36
1,2,4-Trimethylbenzene	< 6.38	ug/Kg		6/4/2019 17:36
1,2-Dibromo-3-Chloropropane	< 31.9	ug/Kg		6/4/2019 17:36
1,2-Dibromoethane	< 6.38	ug/Kg		6/4/2019 17:36
1,2-Dichlorobenzene	< 6.38	ug/Kg		6/4/2019 17:36
1,2-Dichloroethane	< 6.38	ug/Kg		6/4/2019 17:36
1,2-Dichloropropane	< 6.38	ug/Kg		6/4/2019 17:36
1,3,5-Trimethylbenzene	< 6.38	ug/Kg		6/4/2019 17:36
1,3-Dichlorobenzene	< 6.38	ug/Kg		6/4/2019 17:36
1,4-Dichlorobenzene	< 6.38	ug/Kg		6/4/2019 17:36
1,4-Dioxane	< 63.8	ug/Kg		6/4/2019 17:36
2-Butanone	< 31.9	ug/Kg		6/4/2019 17:36
2-Hexanone	< 16.0	ug/Kg		6/4/2019 17:36
4-Methyl-2-pentanone	< 16.0	ug/Kg		6/4/2019 17:36
Acetone	< 31.9	ug/Kg		6/4/2019 17:36

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 192418

Client: **Bergmann Associates**

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-9 (11.0-11.5 ft.)

Lab Sample ID: 192418-02

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Benzene	< 6.38	ug/Kg	6/4/2019 17:36
Bromochloromethane	< 16.0	ug/Kg	6/4/2019 17:36
Bromodichloromethane	< 6.38	ug/Kg	6/4/2019 17:36
Bromoform	< 16.0	ug/Kg	6/4/2019 17:36
Bromomethane	< 6.38	ug/Kg	6/4/2019 17:36
Carbon disulfide	< 6.38	ug/Kg	6/4/2019 17:36
Carbon Tetrachloride	< 6.38	ug/Kg	6/4/2019 17:36
Chlorobenzene	< 6.38	ug/Kg	6/4/2019 17:36
Chloroethane	< 6.38	ug/Kg	6/4/2019 17:36
Chloroform	< 6.38	ug/Kg	6/4/2019 17:36
Chloromethane	< 6.38	ug/Kg	6/4/2019 17:36
cis-1,2-Dichloroethene	< 6.38	ug/Kg	6/4/2019 17:36
cis-1,3-Dichloropropene	< 6.38	ug/Kg	6/4/2019 17:36
Cyclohexane	< 31.9	ug/Kg	6/4/2019 17:36
Dibromochloromethane	< 6.38	ug/Kg	6/4/2019 17:36
Dichlorodifluoromethane	< 6.38	ug/Kg	6/4/2019 17:36
Ethylbenzene	< 6.38	ug/Kg	6/4/2019 17:36
Freon 113	< 6.38	ug/Kg	6/4/2019 17:36
Isopropylbenzene	< 6.38	ug/Kg	6/4/2019 17:36
m,p-Xylene	< 6.38	ug/Kg	6/4/2019 17:36
Methyl acetate	< 6.38	ug/Kg	6/4/2019 17:36
Methyl tert-butyl Ether	< 6.38	ug/Kg	6/4/2019 17:36
Methylcyclohexane	< 6.38	ug/Kg	6/4/2019 17:36
Methylene chloride	< 16.0	ug/Kg	6/4/2019 17:36
Naphthalene	< 16.0	ug/Kg	6/4/2019 17:36
n-Butylbenzene	< 6.38	ug/Kg	6/4/2019 17:36
n-Propylbenzene	< 6.38	ug/Kg	6/4/2019 17:36
o-Xylene	< 6.38	ug/Kg	6/4/2019 17:36
p-Isopropyltoluene	< 6.38	ug/Kg	6/4/2019 17:36
sec-Butylbenzene	< 6.38	ug/Kg	6/4/2019 17:36

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Lab Project ID: 192418

Client: **Bergmann Associates**

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-9 (11.0-11.5 ft.)

Lab Sample ID: 192418-02

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Styrene	< 16.0	ug/Kg	6/4/2019	17:36
tert-Butylbenzene	< 6.38	ug/Kg	6/4/2019	17:36
Tetrachloroethene	< 6.38	ug/Kg	6/4/2019	17:36
Toluene	< 6.38	ug/Kg	6/4/2019	17:36
trans-1,2-Dichloroethene	< 6.38	ug/Kg	6/4/2019	17:36
trans-1,3-Dichloropropene	< 6.38	ug/Kg	6/4/2019	17:36
Trichloroethene	< 6.38	ug/Kg	6/4/2019	17:36
Trichlorofluoromethane	< 6.38	ug/Kg	6/4/2019	17:36
Vinyl chloride	< 6.38	ug/Kg	6/4/2019	17:36

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	111	70.5 - 138		6/4/2019 17:36
4-Bromofluorobenzene	91.3	66.2 - 124		6/4/2019 17:36
Pentafluorobenzene	94.6	86 - 110		6/4/2019 17:36
Toluene-D8	93.0	81.6 - 113		6/4/2019 17:36

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x61540.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

Client: Bergmann Associates
Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-6 (2.5-3.0 ft.)

Lab Sample ID: 192418-03

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Semi-Volatile Organics (Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 306	ug/Kg		5/31/2019 16:47
1,2,4,5-Tetrachlorobenzene	< 306	ug/Kg		5/31/2019 16:47
1,2,4-Trichlorobenzene	< 306	ug/Kg		5/31/2019 16:47
1,2-Dichlorobenzene	< 306	ug/Kg		5/31/2019 16:47
1,3-Dichlorobenzene	< 306	ug/Kg		5/31/2019 16:47
1,4-Dichlorobenzene	< 306	ug/Kg		5/31/2019 16:47
2,2-Oxybis (1-chloropropane)	< 306	ug/Kg		5/31/2019 16:47
2,4-Dinitrotoluene	< 306	ug/Kg		5/31/2019 16:47
2,6-Dinitrotoluene	< 306	ug/Kg		5/31/2019 16:47
2-Chloronaphthalene	< 306	ug/Kg		5/31/2019 16:47
2-Methylnaphthalene	< 306	ug/Kg		5/31/2019 16:47
2-Nitroaniline	< 306	ug/Kg		5/31/2019 16:47
3,3'-Dichlorobenzidine	< 306	ug/Kg		5/31/2019 16:47
3-Nitroaniline	< 306	ug/Kg		5/31/2019 16:47
4-Bromophenyl phenyl ether	< 306	ug/Kg		5/31/2019 16:47
4-Chloroaniline	< 306	ug/Kg		5/31/2019 16:47
4-Chlorophenyl phenyl ether	< 306	ug/Kg		5/31/2019 16:47
4-Nitroaniline	< 306	ug/Kg		5/31/2019 16:47
Acenaphthene	< 306	ug/Kg		5/31/2019 16:47
Acenaphthylene	< 306	ug/Kg		5/31/2019 16:47
Acetophenone	< 306	ug/Kg		5/31/2019 16:47
Anthracene	< 306	ug/Kg		5/31/2019 16:47
Atrazine	< 306	ug/Kg		5/31/2019 16:47
Benzaldehyde	< 306	ug/Kg		5/31/2019 16:47
Benzo (a) anthracene	< 306	ug/Kg		5/31/2019 16:47
Benzo (a) pyrene	< 306	ug/Kg		5/31/2019 16:47
Benzo (b) fluoranthene	< 306	ug/Kg		5/31/2019 16:47
Benzo (g,h,i) perylene	< 306	ug/Kg		5/31/2019 16:47

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Client: Bergmann Associates
Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-6 (2.5-3.0 ft.)

Lab Sample ID: 192418-03

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Benzo (k) fluoranthene	< 306	ug/Kg	5/31/2019 16:47
Bis (2-chloroethoxy) methane	< 306	ug/Kg	5/31/2019 16:47
Bis (2-chloroethyl) ether	< 306	ug/Kg	5/31/2019 16:47
Bis (2-ethylhexyl) phthalate	< 306	ug/Kg	5/31/2019 16:47
Butylbenzylphthalate	< 306	ug/Kg	5/31/2019 16:47
Caprolactam	< 306	ug/Kg	5/31/2019 16:47
Carbazole	< 306	ug/Kg	5/31/2019 16:47
Chrysene	< 306	ug/Kg	5/31/2019 16:47
Dibenz (a,h) anthracene	< 306	ug/Kg	5/31/2019 16:47
Dibenzofuran	< 306	ug/Kg	5/31/2019 16:47
Diethyl phthalate	< 306	ug/Kg	5/31/2019 16:47
Dimethyl phthalate	< 306	ug/Kg	5/31/2019 16:47
Di-n-butyl phthalate	< 306	ug/Kg	5/31/2019 16:47
Di-n-octylphthalate	< 306	ug/Kg	5/31/2019 16:47
Fluoranthene	< 306	ug/Kg	5/31/2019 16:47
Fluorene	< 306	ug/Kg	5/31/2019 16:47
Hexachlorobenzene	< 306	ug/Kg	5/31/2019 16:47
Hexachlorobutadiene	< 306	ug/Kg	5/31/2019 16:47
Hexachlorocyclopentadiene	< 1220	ug/Kg	5/31/2019 16:47
Hexachloroethane	< 306	ug/Kg	5/31/2019 16:47
Indeno (1,2,3-cd) pyrene	< 306	ug/Kg	5/31/2019 16:47
Isophorone	< 306	ug/Kg	5/31/2019 16:47
Naphthalene	< 306	ug/Kg	5/31/2019 16:47
Nitrobenzene	< 306	ug/Kg	5/31/2019 16:47
N-Nitroso-di-n-propylamine	< 306	ug/Kg	5/31/2019 16:47
N-Nitrosodiphenylamine	< 306	ug/Kg	5/31/2019 16:47
Phenanthrene	< 306	ug/Kg	5/31/2019 16:47
Pyrene	< 306	ug/Kg	5/31/2019 16:47

Client: Bergmann Associates
Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-6 (2.5-3.0 ft.)

Lab Sample ID: 192418-03

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
2-Fluorobiphenyl	51.4	34.1 - 82		5/31/2019 16:47
Nitrobenzene-d5	53.2	31.2 - 77.2		5/31/2019 16:47
Terphenyl-d14	62.9	37.7 - 94.8		5/31/2019 16:47

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 5/31/2019

Data File: B37475.D

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,1,1-Trichloroethane	< 7.75	ug/Kg		6/4/2019 18:00
1,1,2,2-Tetrachloroethane	< 7.75	ug/Kg		6/4/2019 18:00
1,1,2-Trichloroethane	< 7.75	ug/Kg		6/4/2019 18:00
1,1-Dichloroethane	< 7.75	ug/Kg		6/4/2019 18:00
1,1-Dichloroethene	< 7.75	ug/Kg		6/4/2019 18:00
1,2,3-Trichlorobenzene	< 19.4	ug/Kg		6/4/2019 18:00
1,2,4-Trichlorobenzene	< 19.4	ug/Kg		6/4/2019 18:00
1,2,4-Trimethylbenzene	< 7.75	ug/Kg		6/4/2019 18:00
1,2-Dibromo-3-Chloropropane	< 38.8	ug/Kg		6/4/2019 18:00
1,2-Dibromoethane	< 7.75	ug/Kg		6/4/2019 18:00
1,2-Dichlorobenzene	< 7.75	ug/Kg		6/4/2019 18:00
1,2-Dichloroethane	< 7.75	ug/Kg		6/4/2019 18:00
1,2-Dichloropropane	< 7.75	ug/Kg		6/4/2019 18:00
1,3,5-Trimethylbenzene	< 7.75	ug/Kg		6/4/2019 18:00
1,3-Dichlorobenzene	< 7.75	ug/Kg		6/4/2019 18:00
1,4-Dichlorobenzene	< 7.75	ug/Kg		6/4/2019 18:00
1,4-Dioxane	< 77.5	ug/Kg		6/4/2019 18:00
2-Butanone	< 38.8	ug/Kg		6/4/2019 18:00
2-Hexanone	< 19.4	ug/Kg		6/4/2019 18:00
4-Methyl-2-pentanone	< 19.4	ug/Kg		6/4/2019 18:00
Acetone	< 38.8	ug/Kg		6/4/2019 18:00

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 192418

Client: Bergmann Associates

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-6 (2.5-3.0 ft.)

Lab Sample ID: 192418-03

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Benzene	< 7.75	ug/Kg	6/4/2019 18:00
Bromochloromethane	< 19.4	ug/Kg	6/4/2019 18:00
Bromodichloromethane	< 7.75	ug/Kg	6/4/2019 18:00
Bromoform	< 19.4	ug/Kg	6/4/2019 18:00
Bromomethane	< 7.75	ug/Kg	6/4/2019 18:00
Carbon disulfide	< 7.75	ug/Kg	6/4/2019 18:00
Carbon Tetrachloride	< 7.75	ug/Kg	6/4/2019 18:00
Chlorobenzene	< 7.75	ug/Kg	6/4/2019 18:00
Chloroethane	< 7.75	ug/Kg	6/4/2019 18:00
Chloroform	< 7.75	ug/Kg	6/4/2019 18:00
Chloromethane	< 7.75	ug/Kg	6/4/2019 18:00
cis-1,2-Dichloroethene	< 7.75	ug/Kg	6/4/2019 18:00
cis-1,3-Dichloropropene	< 7.75	ug/Kg	6/4/2019 18:00
Cyclohexane	< 38.8	ug/Kg	6/4/2019 18:00
Dibromochloromethane	< 7.75	ug/Kg	6/4/2019 18:00
Dichlorodifluoromethane	< 7.75	ug/Kg	6/4/2019 18:00
Ethylbenzene	< 7.75	ug/Kg	6/4/2019 18:00
Freon 113	< 7.75	ug/Kg	6/4/2019 18:00
Isopropylbenzene	< 7.75	ug/Kg	6/4/2019 18:00
m,p-Xylene	< 7.75	ug/Kg	6/4/2019 18:00
Methyl acetate	< 7.75	ug/Kg	6/4/2019 18:00
Methyl tert-butyl Ether	< 7.75	ug/Kg	6/4/2019 18:00
Methylcyclohexane	< 7.75	ug/Kg	6/4/2019 18:00
Methylene chloride	< 19.4	ug/Kg	6/4/2019 18:00
Naphthalene	< 19.4	ug/Kg	6/4/2019 18:00
n-Butylbenzene	< 7.75	ug/Kg	6/4/2019 18:00
n-Propylbenzene	< 7.75	ug/Kg	6/4/2019 18:00
o-Xylene	< 7.75	ug/Kg	6/4/2019 18:00
p-Isopropyltoluene	< 7.75	ug/Kg	6/4/2019 18:00
sec-Butylbenzene	< 7.75	ug/Kg	6/4/2019 18:00

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Client: Bergmann Associates

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-6 (2.5-3.0 ft.)

Lab Sample ID: 192418-03

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Styrene	< 19.4	ug/Kg	6/4/2019	18:00
tert-Butylbenzene	< 7.75	ug/Kg	6/4/2019	18:00
Tetrachloroethene	< 7.75	ug/Kg	6/4/2019	18:00
Toluene	< 7.75	ug/Kg	6/4/2019	18:00
trans-1,2-Dichloroethene	< 7.75	ug/Kg	6/4/2019	18:00
trans-1,3-Dichloropropene	< 7.75	ug/Kg	6/4/2019	18:00
Trichloroethene	< 7.75	ug/Kg	6/4/2019	18:00
Trichlorofluoromethane	< 7.75	ug/Kg	6/4/2019	18:00
Vinyl chloride	< 7.75	ug/Kg	6/4/2019	18:00

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	113	70.5 - 138		6/4/2019 18:00
4-Bromofluorobenzene	70.8	66.2 - 124		6/4/2019 18:00
Pentafluorobenzene	98.2	86 - 110		6/4/2019 18:00
Toluene-D8	89.7	81.6 - 113		6/4/2019 18:00

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x61541.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Client: Bergmann Associates

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-6 (2-inch)

Lab Sample ID: 192418-04

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Mercury	0.0608	mg/Kg		6/4/2019 12:14
Method Reference(s):	EPA 7471B			
Preparation Date:	6/3/2019			
Data File:	Hg190604C			

TAL Metals (ICP)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Aluminum	7920	mg/Kg		6/3/2019 16:35
Antimony	< 3.60	mg/Kg		6/3/2019 16:35
Arsenic	1.08	mg/Kg		6/6/2019 10:38
Barium	32.5	mg/Kg		6/3/2019 16:35
Beryllium	0.540	mg/Kg		6/3/2019 16:35
Cadmium	< 0.300	mg/Kg		6/3/2019 16:35
Calcium	2680	mg/Kg		6/3/2019 16:35
Chromium	8.60	mg/Kg		6/3/2019 16:35
Cobalt	3.39	mg/Kg		6/3/2019 16:35
Copper	5.67	mg/Kg		6/3/2019 16:35
Iron	11700	mg/Kg		6/3/2019 16:35
Lead	27.3	mg/Kg		6/3/2019 16:35
Magnesium	1730	mg/Kg		6/3/2019 16:35
Manganese	319	mg/Kg		6/3/2019 16:35
Nickel	5.72	mg/Kg		6/3/2019 16:35
Potassium	1290	mg/Kg		6/3/2019 16:35
Selenium	< 1.20	mg/Kg		6/3/2019 16:35
Silver	< 0.600	mg/Kg		6/3/2019 16:35
Sodium	< 150	mg/Kg		6/3/2019 16:35
Thallium	< 1.50	mg/Kg		6/3/2019 16:35
Vanadium	13.1	mg/Kg		6/3/2019 16:35

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Client: **Bergmann Associates**

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-6 (2-inch)

Lab Sample ID: 192418-04

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Zinc

50.9

mg/Kg

6/3/2019 16:35

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 5/31/2019

Data File: 190603A

Client: Bergmann Associates
Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-4 (12-12.5 ft.)

Lab Sample ID: 192418-05

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Mercury	0.132	mg/Kg		6/4/2019 12:16
Method Reference(s):	EPA 7471B			
Preparation Date:	6/3/2019			
Data File:	Hg190604C			

TAL Metals (ICP)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Aluminum	3510	mg/Kg		6/3/2019 16:39
Antimony	< 4.28	mg/Kg		6/3/2019 16:39
Arsenic	2.24	mg/Kg		6/6/2019 10:42
Barium	22.5	mg/Kg		6/3/2019 16:39
Beryllium	< 0.357	mg/Kg		6/3/2019 16:39
Cadmium	< 0.357	mg/Kg		6/3/2019 16:39
Calcium	8190	mg/Kg		6/3/2019 16:39
Chromium	3.82	mg/Kg		6/3/2019 16:39
Cobalt	< 3.57	mg/Kg		6/3/2019 16:39
Copper	9.35	mg/Kg		6/3/2019 16:39
Iron	7320	mg/Kg		6/3/2019 16:39
Lead	55.4	mg/Kg		6/3/2019 16:39
Magnesium	517	mg/Kg		6/3/2019 16:39
Manganese	128	mg/Kg		6/3/2019 16:39
Nickel	2.90	mg/Kg		6/3/2019 16:39
Potassium	237	mg/Kg		6/3/2019 16:39
Selenium	< 1.43	mg/Kg		6/3/2019 16:39
Silver	< 0.714	mg/Kg		6/3/2019 16:39
Sodium	< 178	mg/Kg		6/3/2019 16:39
Thallium	< 1.78	mg/Kg		6/3/2019 16:39
Vanadium	16.6	mg/Kg		6/3/2019 16:39

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Client: Bergmann Associates

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-4 (12-12.5 ft.)

Lab Sample ID: 192418-05

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Zinc **157** mg/Kg 6/3/2019 16:39

Method Reference(s): EPA 6010C
EPA 3050B

Preparation Date: 5/31/2019

Data File: 190603A

Semi-Volatile Organics (Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 418	ug/Kg		5/31/2019 17:17
1,2,4,5-Tetrachlorobenzene	< 418	ug/Kg		5/31/2019 17:17
1,2,4-Trichlorobenzene	< 418	ug/Kg		5/31/2019 17:17
1,2-Dichlorobenzene	< 418	ug/Kg		5/31/2019 17:17
1,3-Dichlorobenzene	< 418	ug/Kg		5/31/2019 17:17
1,4-Dichlorobenzene	< 418	ug/Kg		5/31/2019 17:17
2,2-Oxybis (1-chloropropane)	< 418	ug/Kg		5/31/2019 17:17
2,4-Dinitrotoluene	< 418	ug/Kg		5/31/2019 17:17
2,6-Dinitrotoluene	< 418	ug/Kg		5/31/2019 17:17
2-Chloronaphthalene	< 418	ug/Kg		5/31/2019 17:17
2-Methylnaphthalene	< 418	ug/Kg		5/31/2019 17:17
2-Nitroaniline	< 418	ug/Kg		5/31/2019 17:17
3,3'-Dichlorobenzidine	< 418	ug/Kg		5/31/2019 17:17
3-Nitroaniline	< 418	ug/Kg		5/31/2019 17:17
4-Bromophenyl phenyl ether	< 418	ug/Kg		5/31/2019 17:17
4-Chloroaniline	< 418	ug/Kg		5/31/2019 17:17
4-Chlorophenyl phenyl ether	< 418	ug/Kg		5/31/2019 17:17
4-Nitroaniline	< 418	ug/Kg		5/31/2019 17:17
Acenaphthene	< 418	ug/Kg		5/31/2019 17:17
Acenaphthylene	< 418	ug/Kg		5/31/2019 17:17
Acetophenone	< 418	ug/Kg		5/31/2019 17:17
Anthracene	< 418	ug/Kg		5/31/2019 17:17
Atrazine	< 418	ug/Kg		5/31/2019 17:17
Benzaldehyde	< 418	ug/Kg		5/31/2019 17:17

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Client: Bergmann Associates
Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-4 (12-12.5 ft.)

Lab Sample ID: 192418-05

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Benzo (a) anthracene	< 418	ug/Kg	5/31/2019 17:17
Benzo (a) pyrene	< 418	ug/Kg	5/31/2019 17:17
Benzo (b) fluoranthene	< 418	ug/Kg	5/31/2019 17:17
Benzo (g,h,i) perylene	< 418	ug/Kg	5/31/2019 17:17
Benzo (k) fluoranthene	< 418	ug/Kg	5/31/2019 17:17
Bis (2-chloroethoxy) methane	< 418	ug/Kg	5/31/2019 17:17
Bis (2-chloroethyl) ether	< 418	ug/Kg	5/31/2019 17:17
Bis (2-ethylhexyl) phthalate	< 418	ug/Kg	5/31/2019 17:17
Butylbenzylphthalate	< 418	ug/Kg	5/31/2019 17:17
Caprolactam	< 418	ug/Kg	5/31/2019 17:17
Carbazole	< 418	ug/Kg	5/31/2019 17:17
Chrysene	< 418	ug/Kg	5/31/2019 17:17
Dibenz (a,h) anthracene	< 418	ug/Kg	5/31/2019 17:17
Dibenzofuran	< 418	ug/Kg	5/31/2019 17:17
Diethyl phthalate	< 418	ug/Kg	5/31/2019 17:17
Dimethyl phthalate	< 418	ug/Kg	5/31/2019 17:17
Di-n-butyl phthalate	< 418	ug/Kg	5/31/2019 17:17
Di-n-octylphthalate	< 418	ug/Kg	5/31/2019 17:17
Fluoranthene	< 418	ug/Kg	5/31/2019 17:17
Fluorene	< 418	ug/Kg	5/31/2019 17:17
Hexachlorobenzene	< 418	ug/Kg	5/31/2019 17:17
Hexachlorobutadiene	< 418	ug/Kg	5/31/2019 17:17
Hexachlorocyclopentadiene	< 1670	ug/Kg	5/31/2019 17:17
Hexachloroethane	< 418	ug/Kg	5/31/2019 17:17
Indeno (1,2,3-cd) pyrene	< 418	ug/Kg	5/31/2019 17:17
Isophorone	< 418	ug/Kg	5/31/2019 17:17
Naphthalene	< 418	ug/Kg	5/31/2019 17:17
Nitrobenzene	< 418	ug/Kg	5/31/2019 17:17
N-Nitroso-di-n-propylamine	< 418	ug/Kg	5/31/2019 17:17
N-Nitrosodiphenylamine	< 418	ug/Kg	5/31/2019 17:17

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Client: Bergmann Associates

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-4 (12-12.5 ft.)

Lab Sample ID: 192418-05

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Phenanthrene	< 418	ug/Kg	5/31/2019	17:17
Pyrene	< 418	ug/Kg	5/31/2019	17:17

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
2-Fluorobiphenyl	54.8	34.1 - 82		5/31/2019 17:17
Nitrobenzene-d5	53.9	31.2 - 77.2		5/31/2019 17:17
Terphenyl-d14	62.9	37.7 - 94.8		5/31/2019 17:17

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 5/31/2019
Data File: B37476.D

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,1,1-Trichloroethane	< 8.86	ug/Kg		6/4/2019 18:23
1,1,2,2-Tetrachloroethane	< 8.86	ug/Kg		6/4/2019 18:23
1,1,2-Trichloroethane	< 8.86	ug/Kg		6/4/2019 18:23
1,1-Dichloroethane	< 8.86	ug/Kg		6/4/2019 18:23
1,1-Dichloroethene	< 8.86	ug/Kg		6/4/2019 18:23
1,2,3-Trichlorobenzene	< 22.1	ug/Kg		6/4/2019 18:23
1,2,4-Trichlorobenzene	< 22.1	ug/Kg		6/4/2019 18:23
1,2,4-Trimethylbenzene	< 8.86	ug/Kg		6/4/2019 18:23
1,2-Dibromo-3-Chloropropane	< 44.3	ug/Kg		6/4/2019 18:23
1,2-Dibromoethane	< 8.86	ug/Kg		6/4/2019 18:23
1,2-Dichlorobenzene	< 8.86	ug/Kg		6/4/2019 18:23
1,2-Dichloroethane	< 8.86	ug/Kg		6/4/2019 18:23
1,2-Dichloropropane	< 8.86	ug/Kg		6/4/2019 18:23
1,3,5-Trimethylbenzene	< 8.86	ug/Kg		6/4/2019 18:23
1,3-Dichlorobenzene	< 8.86	ug/Kg		6/4/2019 18:23
1,4-Dichlorobenzene	< 8.86	ug/Kg		6/4/2019 18:23
1,4-Dioxane	< 88.6	ug/Kg		6/4/2019 18:23
2-Butanone	< 44.3	ug/Kg		6/4/2019 18:23
2-Hexanone	< 22.1	ug/Kg		6/4/2019 18:23

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Client: Bergmann Associates
Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-4 (12-12.5 ft.)

Lab Sample ID: 192418-05

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

4-Methyl-2-pentanone	< 22.1	ug/Kg	6/4/2019 18:23
Acetone	< 44.3	ug/Kg	6/4/2019 18:23
Benzene	< 8.86	ug/Kg	6/4/2019 18:23
Bromochloromethane	< 22.1	ug/Kg	6/4/2019 18:23
Bromodichloromethane	< 8.86	ug/Kg	6/4/2019 18:23
Bromoform	< 22.1	ug/Kg	6/4/2019 18:23
Bromomethane	< 8.86	ug/Kg	6/4/2019 18:23
Carbon disulfide	< 8.86	ug/Kg	6/4/2019 18:23
Carbon Tetrachloride	< 8.86	ug/Kg	6/4/2019 18:23
Chlorobenzene	< 8.86	ug/Kg	6/4/2019 18:23
Chloroethane	< 8.86	ug/Kg	6/4/2019 18:23
Chloroform	< 8.86	ug/Kg	6/4/2019 18:23
Chloromethane	< 8.86	ug/Kg	6/4/2019 18:23
cis-1,2-Dichloroethene	< 8.86	ug/Kg	6/4/2019 18:23
cis-1,3-Dichloropropene	< 8.86	ug/Kg	6/4/2019 18:23
Cyclohexane	< 44.3	ug/Kg	6/4/2019 18:23
Dibromochloromethane	< 8.86	ug/Kg	6/4/2019 18:23
Dichlorodifluoromethane	< 8.86	ug/Kg	6/4/2019 18:23
Ethylbenzene	< 8.86	ug/Kg	6/4/2019 18:23
Freon 113	< 8.86	ug/Kg	6/4/2019 18:23
Isopropylbenzene	< 8.86	ug/Kg	6/4/2019 18:23
m,p-Xylene	< 8.86	ug/Kg	6/4/2019 18:23
Methyl acetate	< 8.86	ug/Kg	6/4/2019 18:23
Methyl tert-butyl Ether	< 8.86	ug/Kg	6/4/2019 18:23
Methylcyclohexane	< 8.86	ug/Kg	6/4/2019 18:23
Methylene chloride	< 22.1	ug/Kg	6/4/2019 18:23
Naphthalene	< 22.1	ug/Kg	6/4/2019 18:23
n-Butylbenzene	< 8.86	ug/Kg	6/4/2019 18:23
n-Propylbenzene	< 8.86	ug/Kg	6/4/2019 18:23
o-Xylene	< 8.86	ug/Kg	6/4/2019 18:23

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 192418

Client: **Bergmann Associates**

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-4 (12-12.5 ft.)

Lab Sample ID: 192418-05

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

p-Isopropyltoluene	< 8.86	ug/Kg	6/4/2019	18:23
sec-Butylbenzene	< 8.86	ug/Kg	6/4/2019	18:23
Styrene	< 22.1	ug/Kg	6/4/2019	18:23
tert-Butylbenzene	< 8.86	ug/Kg	6/4/2019	18:23
Tetrachloroethene	< 8.86	ug/Kg	6/4/2019	18:23
Toluene	< 8.86	ug/Kg	6/4/2019	18:23
trans-1,2-Dichloroethene	< 8.86	ug/Kg	6/4/2019	18:23
trans-1,3-Dichloropropene	< 8.86	ug/Kg	6/4/2019	18:23
Trichloroethene	< 8.86	ug/Kg	6/4/2019	18:23
Trichlorofluoromethane	< 8.86	ug/Kg	6/4/2019	18:23
Vinyl chloride	< 8.86	ug/Kg	6/4/2019	18:23

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	108	70.5 - 138		6/4/2019 18:23
4-Bromofluorobenzene	90.1	66.2 - 124		6/4/2019 18:23
Pentafluorobenzene	92.9	86 - 110		6/4/2019 18:23
Toluene-D8	93.3	81.6 - 113		6/4/2019 18:23

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x61542.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

Client: Bergmann Associates
Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-1 (6.5-7.0 ft.)

Lab Sample ID: 192418-06

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Semi-Volatile Organics (Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 355	ug/Kg		5/31/2019 17:47
1,2,4,5-Tetrachlorobenzene	< 355	ug/Kg		5/31/2019 17:47
1,2,4-Trichlorobenzene	< 355	ug/Kg		5/31/2019 17:47
1,2-Dichlorobenzene	< 355	ug/Kg		5/31/2019 17:47
1,3-Dichlorobenzene	< 355	ug/Kg		5/31/2019 17:47
1,4-Dichlorobenzene	< 355	ug/Kg		5/31/2019 17:47
2,2-Oxybis (1-chloropropane)	< 355	ug/Kg		5/31/2019 17:47
2,4-Dinitrotoluene	< 355	ug/Kg		5/31/2019 17:47
2,6-Dinitrotoluene	< 355	ug/Kg		5/31/2019 17:47
2-Chloronaphthalene	< 355	ug/Kg		5/31/2019 17:47
2-Methylnaphthalene	< 355	ug/Kg		5/31/2019 17:47
2-Nitroaniline	< 355	ug/Kg		5/31/2019 17:47
3,3'-Dichlorobenzidine	< 355	ug/Kg		5/31/2019 17:47
3-Nitroaniline	< 355	ug/Kg		5/31/2019 17:47
4-Bromophenyl phenyl ether	< 355	ug/Kg		5/31/2019 17:47
4-Chloroaniline	< 355	ug/Kg		5/31/2019 17:47
4-Chlorophenyl phenyl ether	< 355	ug/Kg		5/31/2019 17:47
4-Nitroaniline	< 355	ug/Kg		5/31/2019 17:47
Acenaphthene	< 355	ug/Kg		5/31/2019 17:47
Acenaphthylene	< 355	ug/Kg		5/31/2019 17:47
Acetophenone	< 355	ug/Kg		5/31/2019 17:47
Anthracene	< 355	ug/Kg		5/31/2019 17:47
Atrazine	< 355	ug/Kg		5/31/2019 17:47
Benzaldehyde	< 355	ug/Kg		5/31/2019 17:47
Benzo (a) anthracene	< 355	ug/Kg		5/31/2019 17:47
Benzo (a) pyrene	< 355	ug/Kg		5/31/2019 17:47
Benzo (b) fluoranthene	< 355	ug/Kg		5/31/2019 17:47
Benzo (g,h,i) perylene	< 355	ug/Kg		5/31/2019 17:47

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 192418

Client: **Bergmann Associates**

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-1 (6.5-7.0 ft.)

Lab Sample ID: 192418-06

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Benzo (k) fluoranthene	< 355	ug/Kg	5/31/2019 17:47
Bis (2-chloroethoxy) methane	< 355	ug/Kg	5/31/2019 17:47
Bis (2-chloroethyl) ether	< 355	ug/Kg	5/31/2019 17:47
Bis (2-ethylhexyl) phthalate	< 355	ug/Kg	5/31/2019 17:47
Butylbenzylphthalate	< 355	ug/Kg	5/31/2019 17:47
Caprolactam	< 355	ug/Kg	5/31/2019 17:47
Carbazole	< 355	ug/Kg	5/31/2019 17:47
Chrysene	< 355	ug/Kg	5/31/2019 17:47
Dibenz (a,h) anthracene	< 355	ug/Kg	5/31/2019 17:47
Dibenzofuran	< 355	ug/Kg	5/31/2019 17:47
Diethyl phthalate	< 355	ug/Kg	5/31/2019 17:47
Dimethyl phthalate	< 355	ug/Kg	5/31/2019 17:47
Di-n-butyl phthalate	< 355	ug/Kg	5/31/2019 17:47
Di-n-octylphthalate	< 355	ug/Kg	5/31/2019 17:47
Fluoranthene	564	ug/Kg	5/31/2019 17:47
Fluorene	< 355	ug/Kg	5/31/2019 17:47
Hexachlorobenzene	< 355	ug/Kg	5/31/2019 17:47
Hexachlorobutadiene	< 355	ug/Kg	5/31/2019 17:47
Hexachlorocyclopentadiene	< 1420	ug/Kg	5/31/2019 17:47
Hexachloroethane	< 355	ug/Kg	5/31/2019 17:47
Indeno (1,2,3-cd) pyrene	< 355	ug/Kg	5/31/2019 17:47
Isophorone	< 355	ug/Kg	5/31/2019 17:47
Naphthalene	< 355	ug/Kg	5/31/2019 17:47
Nitrobenzene	< 355	ug/Kg	5/31/2019 17:47
N-Nitroso-di-n-propylamine	< 355	ug/Kg	5/31/2019 17:47
N-Nitrosodiphenylamine	< 355	ug/Kg	5/31/2019 17:47
Phenanthrene	< 355	ug/Kg	5/31/2019 17:47
Pyrene	436	ug/Kg	5/31/2019 17:47

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Client: Bergmann Associates
Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-1 (6.5-7.0 ft.)

Lab Sample ID: 192418-06

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
2-Fluorobiphenyl	64.7	34.1 - 82		5/31/2019 17:47
Nitrobenzene-d5	55.6	31.2 - 77.2		5/31/2019 17:47
Terphenyl-d14	73.8	37.7 - 94.8		5/31/2019 17:47

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 5/31/2019

Data File: B37477.D

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,1,1-Trichloroethane	< 8.23	ug/Kg		6/4/2019 18:46
1,1,2,2-Tetrachloroethane	< 8.23	ug/Kg		6/4/2019 18:46
1,1,2-Trichloroethane	< 8.23	ug/Kg		6/4/2019 18:46
1,1-Dichloroethane	< 8.23	ug/Kg		6/4/2019 18:46
1,1-Dichloroethene	< 8.23	ug/Kg		6/4/2019 18:46
1,2,3-Trichlorobenzene	< 20.6	ug/Kg		6/4/2019 18:46
1,2,4-Trichlorobenzene	< 20.6	ug/Kg		6/4/2019 18:46
1,2,4-Trimethylbenzene	< 8.23	ug/Kg		6/4/2019 18:46
1,2-Dibromo-3-Chloropropane	< 41.1	ug/Kg		6/4/2019 18:46
1,2-Dibromoethane	< 8.23	ug/Kg		6/4/2019 18:46
1,2-Dichlorobenzene	< 8.23	ug/Kg		6/4/2019 18:46
1,2-Dichloroethane	< 8.23	ug/Kg		6/4/2019 18:46
1,2-Dichloropropane	< 8.23	ug/Kg		6/4/2019 18:46
1,3,5-Trimethylbenzene	< 8.23	ug/Kg		6/4/2019 18:46
1,3-Dichlorobenzene	< 8.23	ug/Kg		6/4/2019 18:46
1,4-Dichlorobenzene	< 8.23	ug/Kg		6/4/2019 18:46
1,4-Dioxane	< 82.3	ug/Kg		6/4/2019 18:46
2-Butanone	< 41.1	ug/Kg		6/4/2019 18:46
2-Hexanone	< 20.6	ug/Kg		6/4/2019 18:46
4-Methyl-2-pentanone	< 20.6	ug/Kg		6/4/2019 18:46
Acetone	< 41.1	ug/Kg		6/4/2019 18:46

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 192418

Client: **Bergmann Associates**

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-1 (6.5-7.0 ft.)

Lab Sample ID: 192418-06

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Benzene	< 8.23	ug/Kg	6/4/2019 18:46
Bromochloromethane	< 20.6	ug/Kg	6/4/2019 18:46
Bromodichloromethane	< 8.23	ug/Kg	6/4/2019 18:46
Bromoform	< 20.6	ug/Kg	6/4/2019 18:46
Bromomethane	< 8.23	ug/Kg	6/4/2019 18:46
Carbon disulfide	< 8.23	ug/Kg	6/4/2019 18:46
Carbon Tetrachloride	< 8.23	ug/Kg	6/4/2019 18:46
Chlorobenzene	< 8.23	ug/Kg	6/4/2019 18:46
Chloroethane	< 8.23	ug/Kg	6/4/2019 18:46
Chloroform	< 8.23	ug/Kg	6/4/2019 18:46
Chloromethane	< 8.23	ug/Kg	6/4/2019 18:46
cis-1,2-Dichloroethene	< 8.23	ug/Kg	6/4/2019 18:46
cis-1,3-Dichloropropene	< 8.23	ug/Kg	6/4/2019 18:46
Cyclohexane	< 41.1	ug/Kg	6/4/2019 18:46
Dibromochloromethane	< 8.23	ug/Kg	6/4/2019 18:46
Dichlorodifluoromethane	< 8.23	ug/Kg	6/4/2019 18:46
Ethylbenzene	< 8.23	ug/Kg	6/4/2019 18:46
Freon 113	< 8.23	ug/Kg	6/4/2019 18:46
Isopropylbenzene	< 8.23	ug/Kg	6/4/2019 18:46
m,p-Xylene	< 8.23	ug/Kg	6/4/2019 18:46
Methyl acetate	< 8.23	ug/Kg	6/4/2019 18:46
Methyl tert-butyl Ether	< 8.23	ug/Kg	6/4/2019 18:46
Methylcyclohexane	< 8.23	ug/Kg	6/4/2019 18:46
Methylene chloride	< 20.6	ug/Kg	6/4/2019 18:46
Naphthalene	< 20.6	ug/Kg	6/4/2019 18:46
n-Butylbenzene	< 8.23	ug/Kg	6/4/2019 18:46
n-Propylbenzene	< 8.23	ug/Kg	6/4/2019 18:46
o-Xylene	< 8.23	ug/Kg	6/4/2019 18:46
p-Isopropyltoluene	< 8.23	ug/Kg	6/4/2019 18:46
sec-Butylbenzene	< 8.23	ug/Kg	6/4/2019 18:46

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Client: Bergmann Associates

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-1 (6.5-7.0 ft.)

Lab Sample ID: 192418-06

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Styrene	< 20.6	ug/Kg	6/4/2019	18:46
tert-Butylbenzene	< 8.23	ug/Kg	6/4/2019	18:46
Tetrachloroethene	< 8.23	ug/Kg	6/4/2019	18:46
Toluene	< 8.23	ug/Kg	6/4/2019	18:46
trans-1,2-Dichloroethene	< 8.23	ug/Kg	6/4/2019	18:46
trans-1,3-Dichloropropene	< 8.23	ug/Kg	6/4/2019	18:46
Trichloroethene	< 8.23	ug/Kg	6/4/2019	18:46
Trichlorofluoromethane	< 8.23	ug/Kg	6/4/2019	18:46
Vinyl chloride	< 8.23	ug/Kg	6/4/2019	18:46

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	113	70.5 - 138		6/4/2019 18:46
4-Bromofluorobenzene	80.3	66.2 - 124		6/4/2019 18:46
Pentafluorobenzene	94.8	86 - 110		6/4/2019 18:46
Toluene-D8	92.6	81.6 - 113		6/4/2019 18:46

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x61543.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

Client: Bergmann Associates
Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-8 (7.0-7.5 ft.)

Lab Sample ID: 192418-07

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Semi-Volatile Organics (Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 459	ug/Kg		5/31/2019 18:17
1,2,4,5-Tetrachlorobenzene	< 459	ug/Kg		5/31/2019 18:17
1,2,4-Trichlorobenzene	< 459	ug/Kg		5/31/2019 18:17
1,2-Dichlorobenzene	< 459	ug/Kg		5/31/2019 18:17
1,3-Dichlorobenzene	< 459	ug/Kg		5/31/2019 18:17
1,4-Dichlorobenzene	< 459	ug/Kg		5/31/2019 18:17
2,2-Oxybis (1-chloropropane)	< 459	ug/Kg		5/31/2019 18:17
2,4-Dinitrotoluene	< 459	ug/Kg		5/31/2019 18:17
2,6-Dinitrotoluene	< 459	ug/Kg		5/31/2019 18:17
2-Chloronaphthalene	< 459	ug/Kg		5/31/2019 18:17
2-Methylnaphthalene	< 459	ug/Kg		5/31/2019 18:17
2-Nitroaniline	< 459	ug/Kg		5/31/2019 18:17
3,3'-Dichlorobenzidine	< 459	ug/Kg		5/31/2019 18:17
3-Nitroaniline	< 459	ug/Kg		5/31/2019 18:17
4-Bromophenyl phenyl ether	< 459	ug/Kg		5/31/2019 18:17
4-Chloroaniline	< 459	ug/Kg		5/31/2019 18:17
4-Chlorophenyl phenyl ether	< 459	ug/Kg		5/31/2019 18:17
4-Nitroaniline	< 459	ug/Kg		5/31/2019 18:17
Acenaphthene	< 459	ug/Kg		5/31/2019 18:17
Acenaphthylene	< 459	ug/Kg		5/31/2019 18:17
Acetophenone	< 459	ug/Kg		5/31/2019 18:17
Anthracene	< 459	ug/Kg		5/31/2019 18:17
Atrazine	< 459	ug/Kg		5/31/2019 18:17
Benzaldehyde	< 459	ug/Kg		5/31/2019 18:17
Benzo (a) anthracene	< 459	ug/Kg		5/31/2019 18:17
Benzo (a) pyrene	< 459	ug/Kg		5/31/2019 18:17
Benzo (b) fluoranthene	< 459	ug/Kg		5/31/2019 18:17
Benzo (g,h,i) perylene	< 459	ug/Kg		5/31/2019 18:17

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Client: Bergmann Associates
Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-8 (7.0-7.5 ft.)

Lab Sample ID: 192418-07

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Benzo (k) fluoranthene	< 459	ug/Kg	5/31/2019 18:17
Bis (2-chloroethoxy) methane	< 459	ug/Kg	5/31/2019 18:17
Bis (2-chloroethyl) ether	< 459	ug/Kg	5/31/2019 18:17
Bis (2-ethylhexyl) phthalate	< 459	ug/Kg	5/31/2019 18:17
Butylbenzylphthalate	< 459	ug/Kg	5/31/2019 18:17
Caprolactam	< 459	ug/Kg	5/31/2019 18:17
Carbazole	< 459	ug/Kg	5/31/2019 18:17
Chrysene	< 459	ug/Kg	5/31/2019 18:17
Dibenz (a,h) anthracene	< 459	ug/Kg	5/31/2019 18:17
Dibenzofuran	< 459	ug/Kg	5/31/2019 18:17
Diethyl phthalate	< 459	ug/Kg	5/31/2019 18:17
Dimethyl phthalate	< 459	ug/Kg	5/31/2019 18:17
Di-n-butyl phthalate	< 459	ug/Kg	5/31/2019 18:17
Di-n-octylphthalate	< 459	ug/Kg	5/31/2019 18:17
Fluoranthene	< 459	ug/Kg	5/31/2019 18:17
Fluorene	< 459	ug/Kg	5/31/2019 18:17
Hexachlorobenzene	< 459	ug/Kg	5/31/2019 18:17
Hexachlorobutadiene	< 459	ug/Kg	5/31/2019 18:17
Hexachlorocyclopentadiene	< 1830	ug/Kg	5/31/2019 18:17
Hexachloroethane	< 459	ug/Kg	5/31/2019 18:17
Indeno (1,2,3-cd) pyrene	< 459	ug/Kg	5/31/2019 18:17
Isophorone	< 459	ug/Kg	5/31/2019 18:17
Naphthalene	< 459	ug/Kg	5/31/2019 18:17
Nitrobenzene	< 459	ug/Kg	5/31/2019 18:17
N-Nitroso-di-n-propylamine	< 459	ug/Kg	5/31/2019 18:17
N-Nitrosodiphenylamine	< 459	ug/Kg	5/31/2019 18:17
Phenanthrene	< 459	ug/Kg	5/31/2019 18:17
Pyrene	< 459	ug/Kg	5/31/2019 18:17

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Client: Bergmann Associates
Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-8 (7.0-7.5 ft.)

Lab Sample ID: 192418-07

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
2-Fluorobiphenyl	48.3	34.1 - 82		5/31/2019 18:17
Nitrobenzene-d5	43.7	31.2 - 77.2		5/31/2019 18:17
Terphenyl-d14	53.6	37.7 - 94.8		5/31/2019 18:17

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 5/31/2019

Data File: B37478.D

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,1,1-Trichloroethane	< 11.2	ug/Kg		6/4/2019 19:10
1,1,2,2-Tetrachloroethane	< 11.2	ug/Kg		6/4/2019 19:10
1,1,2-Trichloroethane	< 11.2	ug/Kg		6/4/2019 19:10
1,1-Dichloroethane	< 11.2	ug/Kg		6/4/2019 19:10
1,1-Dichloroethene	< 11.2	ug/Kg		6/4/2019 19:10
1,2,3-Trichlorobenzene	< 28.1	ug/Kg		6/4/2019 19:10
1,2,4-Trichlorobenzene	< 28.1	ug/Kg		6/4/2019 19:10
1,2,4-Trimethylbenzene	< 11.2	ug/Kg		6/4/2019 19:10
1,2-Dibromo-3-Chloropropane	< 56.1	ug/Kg		6/4/2019 19:10
1,2-Dibromoethane	< 11.2	ug/Kg		6/4/2019 19:10
1,2-Dichlorobenzene	< 11.2	ug/Kg		6/4/2019 19:10
1,2-Dichloroethane	< 11.2	ug/Kg		6/4/2019 19:10
1,2-Dichloropropane	< 11.2	ug/Kg		6/4/2019 19:10
1,3,5-Trimethylbenzene	< 11.2	ug/Kg		6/4/2019 19:10
1,3-Dichlorobenzene	< 11.2	ug/Kg		6/4/2019 19:10
1,4-Dichlorobenzene	< 11.2	ug/Kg		6/4/2019 19:10
1,4-Dioxane	< 11.2	ug/Kg		6/4/2019 19:10
2-Butanone	81.9	ug/Kg		6/4/2019 19:10
2-Hexanone	< 28.1	ug/Kg		6/4/2019 19:10
4-Methyl-2-pentanone	< 28.1	ug/Kg		6/4/2019 19:10
Acetone	579	ug/Kg		6/4/2019 19:10

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Lab Project ID: 192418

Client: **Bergmann Associates**

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-8 (7.0-7.5 ft.)

Lab Sample ID: 192418-07

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Benzene	< 11.2	ug/Kg	6/4/2019 19:10
Bromochloromethane	< 28.1	ug/Kg	6/4/2019 19:10
Bromodichloromethane	< 11.2	ug/Kg	6/4/2019 19:10
Bromoform	< 28.1	ug/Kg	6/4/2019 19:10
Bromomethane	< 11.2	ug/Kg	6/4/2019 19:10
Carbon disulfide	< 11.2	ug/Kg	6/4/2019 19:10
Carbon Tetrachloride	< 11.2	ug/Kg	6/4/2019 19:10
Chlorobenzene	< 11.2	ug/Kg	6/4/2019 19:10
Chloroethane	< 11.2	ug/Kg	6/4/2019 19:10
Chloroform	< 11.2	ug/Kg	6/4/2019 19:10
Chloromethane	< 11.2	ug/Kg	6/4/2019 19:10
cis-1,2-Dichloroethene	< 11.2	ug/Kg	6/4/2019 19:10
cis-1,3-Dichloropropene	< 11.2	ug/Kg	6/4/2019 19:10
Cyclohexane	< 56.1	ug/Kg	6/4/2019 19:10
Dibromochloromethane	< 11.2	ug/Kg	6/4/2019 19:10
Dichlorodifluoromethane	< 11.2	ug/Kg	6/4/2019 19:10
Ethylbenzene	< 11.2	ug/Kg	6/4/2019 19:10
Freon 113	< 11.2	ug/Kg	6/4/2019 19:10
Isopropylbenzene	< 11.2	ug/Kg	6/4/2019 19:10
m,p-Xylene	< 11.2	ug/Kg	6/4/2019 19:10
Methyl acetate	< 11.2	ug/Kg	6/4/2019 19:10
Methyl tert-butyl Ether	< 11.2	ug/Kg	6/4/2019 19:10
Methylcyclohexane	< 11.2	ug/Kg	6/4/2019 19:10
Methylene chloride	< 28.1	ug/Kg	6/4/2019 19:10
Naphthalene	< 28.1	ug/Kg	6/4/2019 19:10
n-Butylbenzene	< 11.2	ug/Kg	6/4/2019 19:10
n-Propylbenzene	< 11.2	ug/Kg	6/4/2019 19:10
o-Xylene	< 11.2	ug/Kg	6/4/2019 19:10
p-Isopropyltoluene	< 11.2	ug/Kg	6/4/2019 19:10
sec-Butylbenzene	< 11.2	ug/Kg	6/4/2019 19:10

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Client: Bergmann Associates
Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-8 (7.0-7.5 ft.)

Lab Sample ID: 192418-07

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Styrene	< 28.1	ug/Kg	6/4/2019	19:10
tert-Butylbenzene	< 11.2	ug/Kg	6/4/2019	19:10
Tetrachloroethene	< 11.2	ug/Kg	6/4/2019	19:10
Toluene	< 11.2	ug/Kg	6/4/2019	19:10
trans-1,2-Dichloroethene	< 11.2	ug/Kg	6/4/2019	19:10
trans-1,3-Dichloropropene	< 11.2	ug/Kg	6/4/2019	19:10
Trichloroethene	< 11.2	ug/Kg	6/4/2019	19:10
Trichlorofluoromethane	< 11.2	ug/Kg	6/4/2019	19:10
Vinyl chloride	< 11.2	ug/Kg	6/4/2019	19:10

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	112	70.5 - 138		6/4/2019 19:10
4-Bromofluorobenzene	82.8	66.2 - 124		6/4/2019 19:10
Pentafluorobenzene	92.5	86 - 110		6/4/2019 19:10
Toluene-D8	90.3	81.6 - 113		6/4/2019 19:10

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x61544.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Client: Bergmann Associates

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-8 (2-inch)

Lab Sample ID: 192418-08

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Mercury	0.0262	mg/Kg		6/4/2019 12:18
Method Reference(s):	EPA 7471B			
Preparation Date:	6/3/2019			
Data File:	Hg190604C			

TAL Metals (ICP)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Aluminum	7050	mg/Kg		6/3/2019 16:44
Antimony	< 3.44	mg/Kg		6/3/2019 16:44
Arsenic	1.36	mg/Kg		6/6/2019 10:46
Barium	21.1	mg/Kg		6/3/2019 16:44
Beryllium	0.485	mg/Kg		6/3/2019 16:44
Cadmium	< 0.287	mg/Kg		6/3/2019 16:44
Calcium	18500	mg/Kg		6/3/2019 16:44
Chromium	6.62	mg/Kg		6/3/2019 16:44
Cobalt	2.98	mg/Kg		6/3/2019 16:44
Copper	4.52	mg/Kg		6/3/2019 16:44
Iron	11600	mg/Kg		6/3/2019 16:44
Lead	10.6	mg/Kg		6/3/2019 16:44
Magnesium	1310	mg/Kg		6/3/2019 16:44
Manganese	187	mg/Kg		6/3/2019 16:44
Nickel	4.77	mg/Kg		6/3/2019 16:44
Potassium	593	mg/Kg		6/3/2019 16:44
Selenium	< 1.15	mg/Kg		6/3/2019 16:44
Silver	< 0.573	mg/Kg		6/3/2019 16:44
Sodium	< 143	mg/Kg		6/3/2019 16:44
Thallium	< 1.43	mg/Kg		6/3/2019 16:44
Vanadium	12.6	mg/Kg		6/3/2019 16:44

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Client: **Bergmann Associates**

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-8 (2-inch)

Lab Sample ID: 192418-08

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Zinc

48.3

mg/Kg

6/3/2019 16:44

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 5/31/2019

Data File: 190603A



Client: Bergmann Associates

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-7 (2-inch)

Lab Sample ID: 192418-09

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Mercury	0.177	mg/Kg		6/4/2019 12:24
Method Reference(s):	EPA 7471B			
Preparation Date:	6/3/2019			
Data File:	Hg190604C			

TAL Metals (ICP)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Aluminum	5360	mg/Kg		6/3/2019 16:48
Antimony	< 3.88	mg/Kg		6/3/2019 16:48
Arsenic	0.835	mg/Kg		6/6/2019 10:51
Barium	25.4	mg/Kg		6/3/2019 16:48
Beryllium	0.428	mg/Kg		6/3/2019 16:48
Cadmium	< 0.324	mg/Kg		6/3/2019 16:48
Calcium	4900	mg/Kg		6/3/2019 16:48
Chromium	6.28	mg/Kg		6/3/2019 16:48
Cobalt	< 3.24	mg/Kg		6/3/2019 16:48
Copper	5.76	mg/Kg		6/3/2019 16:48
Iron	9310	mg/Kg		6/3/2019 16:48
Lead	39.2	mg/Kg		6/3/2019 16:48
Magnesium	1250	mg/Kg		6/3/2019 16:48
Manganese	191	mg/Kg		6/3/2019 16:48
Nickel	4.13	mg/Kg		6/3/2019 16:48
Potassium	800	mg/Kg		6/3/2019 16:48
Selenium	< 1.29	mg/Kg		6/3/2019 16:48
Silver	< 0.647	mg/Kg		6/3/2019 16:48
Sodium	< 162	mg/Kg		6/3/2019 16:48
Thallium	< 1.62	mg/Kg		6/3/2019 16:48
Vanadium	10.4	mg/Kg		6/3/2019 16:48

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Client: Bergmann Associates

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: SB-7 (2-inch)

Lab Sample ID: 192418-09

Date Sampled: 5/29/2019

Matrix: Soil

Date Received: 5/31/2019

Zinc

71.3

mg/Kg

6/3/2019 16:48

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 5/31/2019

Data File: 190603A

Client: Bergmann Associates
Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: MW-1

Lab Sample ID: 192418-10

Date Sampled: 5/29/2019

Matrix: Groundwater

Date Received: 5/31/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		6/5/2019 17:07
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		6/5/2019 17:07
1,1,2-Trichloroethane	< 2.00	ug/L		6/5/2019 17:07
1,1-Dichloroethane	< 2.00	ug/L		6/5/2019 17:07
1,1-Dichloroethene	< 2.00	ug/L		6/5/2019 17:07
1,2,3-Trichlorobenzene	< 5.00	ug/L		6/5/2019 17:07
1,2,4-Trichlorobenzene	< 5.00	ug/L		6/5/2019 17:07
1,2,4-Trimethylbenzene	< 2.00	ug/L		6/5/2019 17:07
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		6/5/2019 17:07
1,2-Dibromoethane	< 2.00	ug/L		6/5/2019 17:07
1,2-Dichlorobenzene	< 2.00	ug/L		6/5/2019 17:07
1,2-Dichloroethane	< 2.00	ug/L		6/5/2019 17:07
1,2-Dichloropropane	< 2.00	ug/L		6/5/2019 17:07
1,3,5-Trimethylbenzene	< 2.00	ug/L		6/5/2019 17:07
1,3-Dichlorobenzene	< 2.00	ug/L		6/5/2019 17:07
1,4-Dichlorobenzene	< 2.00	ug/L		6/5/2019 17:07
1,4-Dioxane	< 20.0	ug/L		6/5/2019 17:07
2-Butanone	< 10.0	ug/L		6/5/2019 17:07
2-Hexanone	< 5.00	ug/L		6/5/2019 17:07
4-Methyl-2-pentanone	< 5.00	ug/L		6/5/2019 17:07
Acetone	< 10.0	ug/L		6/5/2019 17:07
Benzene	< 1.00	ug/L		6/5/2019 17:07
Bromochloromethane	< 5.00	ug/L		6/5/2019 17:07
Bromodichloromethane	< 2.00	ug/L		6/5/2019 17:07
Bromoform	< 5.00	ug/L		6/5/2019 17:07
Bromomethane	< 2.00	ug/L		6/5/2019 17:07
Carbon disulfide	< 2.00	ug/L		6/5/2019 17:07
Carbon Tetrachloride	< 2.00	ug/L		6/5/2019 17:07

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Client: Bergmann Associates
Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: MW-1

Lab Sample ID: 192418-10

Date Sampled: 5/29/2019

Matrix: Groundwater

Date Received: 5/31/2019

Chlorobenzene	< 2.00	ug/L	6/5/2019 17:07
Chloroethane	< 2.00	ug/L	6/5/2019 17:07
Chloroform	< 2.00	ug/L	6/5/2019 17:07
Chloromethane	< 2.00	ug/L	6/5/2019 17:07
cis-1,2-Dichloroethene	< 2.00	ug/L	6/5/2019 17:07
cis-1,3-Dichloropropene	< 2.00	ug/L	6/5/2019 17:07
Cyclohexane	< 10.0	ug/L	6/5/2019 17:07
Dibromochloromethane	< 2.00	ug/L	6/5/2019 17:07
Dichlorodifluoromethane	< 2.00	ug/L	6/5/2019 17:07
Ethylbenzene	< 2.00	ug/L	6/5/2019 17:07
Freon 113	< 2.00	ug/L	6/5/2019 17:07
Isopropylbenzene	< 2.00	ug/L	6/5/2019 17:07
m,p-Xylene	< 2.00	ug/L	6/5/2019 17:07
Methyl acetate	< 2.00	ug/L	6/5/2019 17:07
Methyl tert-butyl Ether	< 2.00	ug/L	6/5/2019 17:07
Methylcyclohexane	< 2.00	ug/L	6/5/2019 17:07
Methylene chloride	< 5.00	ug/L	6/5/2019 17:07
Naphthalene	< 5.00	ug/L	6/5/2019 17:07
n-Butylbenzene	< 2.00	ug/L	6/5/2019 17:07
n-Propylbenzene	< 2.00	ug/L	6/5/2019 17:07
o-Xylene	< 2.00	ug/L	6/5/2019 17:07
p-Isopropyltoluene	< 2.00	ug/L	6/5/2019 17:07
sec-Butylbenzene	< 2.00	ug/L	6/5/2019 17:07
Styrene	< 5.00	ug/L	6/5/2019 17:07
tert-Butylbenzene	< 2.00	ug/L	6/5/2019 17:07
Tetrachloroethene	< 2.00	ug/L	6/5/2019 17:07
Toluene	< 2.00	ug/L	6/5/2019 17:07
trans-1,2-Dichloroethene	< 2.00	ug/L	6/5/2019 17:07
trans-1,3-Dichloropropene	< 2.00	ug/L	6/5/2019 17:07
Trichloroethene	< 2.00	ug/L	6/5/2019 17:07

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Lab Project ID: 192418

Client: **Bergmann Associates**

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: MW-1

Lab Sample ID: 192418-10

Date Sampled: 5/29/2019

Matrix: Groundwater

Date Received: 5/31/2019

Trichlorofluoromethane	< 2.00	ug/L		6/5/2019 17:07
Vinyl chloride	< 2.00	ug/L		6/5/2019 17:07

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	100	71.4 - 133		6/5/2019 17:07
4-Bromofluorobenzene	91.7	61.7 - 126		6/5/2019 17:07
Pentafluorobenzene	99.1	87.4 - 109		6/5/2019 17:07
Toluene-D8	96.5	82.3 - 112		6/5/2019 17:07

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x61569.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Client: Bergmann Associates
Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: MW-2

Lab Sample ID: 192418-11

Date Sampled: 5/29/2019

Matrix: Groundwater

Date Received: 5/31/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		6/5/2019 17:29
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		6/5/2019 17:29
1,1,2-Trichloroethane	< 2.00	ug/L		6/5/2019 17:29
1,1-Dichloroethane	< 2.00	ug/L		6/5/2019 17:29
1,1-Dichloroethene	< 2.00	ug/L		6/5/2019 17:29
1,2,3-Trichlorobenzene	< 5.00	ug/L		6/5/2019 17:29
1,2,4-Trichlorobenzene	< 5.00	ug/L		6/5/2019 17:29
1,2,4-Trimethylbenzene	< 2.00	ug/L		6/5/2019 17:29
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		6/5/2019 17:29
1,2-Dibromoethane	< 2.00	ug/L		6/5/2019 17:29
1,2-Dichlorobenzene	< 2.00	ug/L		6/5/2019 17:29
1,2-Dichloroethane	< 2.00	ug/L		6/5/2019 17:29
1,2-Dichloropropane	< 2.00	ug/L		6/5/2019 17:29
1,3,5-Trimethylbenzene	< 2.00	ug/L		6/5/2019 17:29
1,3-Dichlorobenzene	< 2.00	ug/L		6/5/2019 17:29
1,4-Dichlorobenzene	< 2.00	ug/L		6/5/2019 17:29
1,4-Dioxane	< 20.0	ug/L		6/5/2019 17:29
2-Butanone	< 10.0	ug/L		6/5/2019 17:29
2-Hexanone	< 5.00	ug/L		6/5/2019 17:29
4-Methyl-2-pentanone	< 5.00	ug/L		6/5/2019 17:29
Acetone	< 10.0	ug/L		6/5/2019 17:29
Benzene	< 1.00	ug/L		6/5/2019 17:29
Bromochloromethane	< 5.00	ug/L		6/5/2019 17:29
Bromodichloromethane	< 2.00	ug/L		6/5/2019 17:29
Bromoform	< 5.00	ug/L		6/5/2019 17:29
Bromomethane	< 2.00	ug/L		6/5/2019 17:29
Carbon disulfide	< 2.00	ug/L		6/5/2019 17:29
Carbon Tetrachloride	< 2.00	ug/L		6/5/2019 17:29

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Lab Project ID: 192418

Client: Bergmann Associates

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: MW-2

Lab Sample ID: 192418-11

Date Sampled: 5/29/2019

Matrix: Groundwater

Date Received: 5/31/2019

Chlorobenzene	< 2.00	ug/L	6/5/2019 17:29
Chloroethane	< 2.00	ug/L	6/5/2019 17:29
Chloroform	< 2.00	ug/L	6/5/2019 17:29
Chloromethane	< 2.00	ug/L	6/5/2019 17:29
cis-1,2-Dichloroethene	< 2.00	ug/L	6/5/2019 17:29
cis-1,3-Dichloropropene	< 2.00	ug/L	6/5/2019 17:29
Cyclohexane	< 10.0	ug/L	6/5/2019 17:29
Dibromochloromethane	< 2.00	ug/L	6/5/2019 17:29
Dichlorodifluoromethane	< 2.00	ug/L	6/5/2019 17:29
Ethylbenzene	< 2.00	ug/L	6/5/2019 17:29
Freon 113	< 2.00	ug/L	6/5/2019 17:29
Isopropylbenzene	< 2.00	ug/L	6/5/2019 17:29
m,p-Xylene	< 2.00	ug/L	6/5/2019 17:29
Methyl acetate	< 2.00	ug/L	6/5/2019 17:29
Methyl tert-butyl Ether	< 2.00	ug/L	6/5/2019 17:29
Methylcyclohexane	< 2.00	ug/L	6/5/2019 17:29
Methylene chloride	< 5.00	ug/L	6/5/2019 17:29
Naphthalene	< 5.00	ug/L	6/5/2019 17:29
n-Butylbenzene	< 2.00	ug/L	6/5/2019 17:29
n-Propylbenzene	< 2.00	ug/L	6/5/2019 17:29
o-Xylene	< 2.00	ug/L	6/5/2019 17:29
p-Isopropyltoluene	< 2.00	ug/L	6/5/2019 17:29
sec-Butylbenzene	< 2.00	ug/L	6/5/2019 17:29
Styrene	< 5.00	ug/L	6/5/2019 17:29
tert-Butylbenzene	< 2.00	ug/L	6/5/2019 17:29
Tetrachloroethene	< 2.00	ug/L	6/5/2019 17:29
Toluene	< 2.00	ug/L	6/5/2019 17:29
trans-1,2-Dichloroethene	< 2.00	ug/L	6/5/2019 17:29
trans-1,3-Dichloropropene	< 2.00	ug/L	6/5/2019 17:29
Trichloroethene	< 2.00	ug/L	6/5/2019 17:29

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Client: Bergmann Associates

Project Reference: Former Lyons Falls High School Lyons Falls NY

Sample Identifier: MW-2

Lab Sample ID: 192418-11

Date Sampled: 5/29/2019

Matrix: Groundwater

Date Received: 5/31/2019

Trichlorofluoromethane	< 2.00	ug/L		6/5/2019 17:29
Vinyl chloride	< 2.00	ug/L		6/5/2019 17:29
Surrogate		Percent Recovery	Limits	Outliers Date Analyzed
1,2-Dichloroethane-d4		105	71.4 - 133	6/5/2019 17:29
4-Bromofluorobenzene		95.2	61.7 - 126	6/5/2019 17:29
Pentafluorobenzene		95.5	87.4 - 109	6/5/2019 17:29
Toluene-D8		97.9	82.3 - 112	6/5/2019 17:29

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x61570.D



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

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CHAIN OF CUSTODY

Page 1 of 2

1 of 3



REPORT TO: CLIENT: Bejamin
INVOICE TO: ADDRESS: 285 Burd Street
 CITY: Rochester STATE: NY ZIP: 14624
 PHONE: 192418 CITY: Rochester STATE: NY ZIP: 14624
 ATTN: Steve Dimeo ATTN: Steve Dimeo
 LAB PROJECT ID: 192418
 Quotation #: 192418
 Email: _____

PROJECT REFERENCE
Former Lyons Falls High School / Lyons Falls NY

Matrix Codes:
 AQ - Aqueous Liquid
 NA - Non-Aqueous Liquid
 WA - Water
 WG - Groundwater
 DW - Drinking Water
 WW - Wastewater
 SO - Soil
 SL - Sludge
 SD - Solid
 PT - Paint
 WP - Wipe
 CK - Caulk
 OL - Oil
 AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRADES	SAMPLE IDENTIFIER	MATERIALS	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
5/29/19	1200	X	X	SB-5 (11.5-12.0 ft.)	SD	8260 PLUS 51		01
5/29/19	1430	X	X	SB-9 (11.0-11.5 ft.)	SD	8270 BN		02
5/29/19	1310	X	X	SB-6 (2.5-3.0 ft.)	SD	TAL METALS	personal @ 5/31/19	03
5/29/19	1310	X	X	SB-6 (2-inch)	SD			04
5/29/19	1030	X	X	SB-4 (12-12.5 ft.)	SD			05
5/29/19	1000	X	X	SB-1 (6.5-7.0 ft.)	SD			06
5/29/19	1400	X	X	SB-8 (7.0-7.5 ft.)	SD			07
5/29/19	1400	X	X	SB-8 (2-inch)	SD			08
5/29/19	1335	X	X	SB-7 (2-inch)	SD			09
5/29/19	1530	X	X	MW-1	WG			10

Turnaround Time
 Availability contingent upon lab approval; additional fees may apply.

Report Supplements

Standard 5 day None Required
 10 day Batch QC
 Rush 3 day Category A
 Rush 2 day Category B
 Rush 1 day Other
 Date Needed _____ Other EDD
 please indicate date needed: _____ please indicate EDD needed: _____

Chain of Custody

Sampled By: Steve Dimeo Date/Time: 5/29/19
 Requisitioned By: Barbara Date/Time: 5/30/19 4:55 PM
 Received By: Steve Dimeo Date/Time: 5/31/19 08:49
 Received @ Lab By: _____ Date/Time: _____

YOC = 8260 Plus the CP-51 list
 Total Cost: 6' civil sig 01/19 1700 MW

PI.F.

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).
 See additional page for sample conditions.



Chain of Custody Supplement

Client: Bergmann Associates Completed by: Glenn Pezzulo
 Lab Project ID: 192418 Date: 5/31/19

Sample Condition Requirements
 Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 5435 (Soil)	<input type="checkbox"/>
Comments	_____		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input checked="" type="checkbox"/> VOA (Water)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Preservation	<input checked="" type="checkbox"/> VOA (Water)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Metals
Comments	<u>6°C iced</u>		
Compliant Sample Quantity/Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		



APPENDIX D



LIMITATIONS FOR INVESTIGATION PROJECT WORK

1. While additional explorations will always better define the nature and extent of contamination at any given site, it is our professional opinion that subsurface soil, surface soil and groundwater at the former Lyons Falls High School (6832 McAlpine Street) at the subject site have been sampled and analyzed for VOCs (8260 CP 51 list), SVOCs (8270 CP-51 list), and metals as noted at the time of this Limited Subsurface Investigation (LSI) report.
2. Environmental impairment of a property may result from activities such as illegal, unreported dumping, or sudden spilling of hazardous waste or materials. It should be noted that the presence of contaminants at a particular property may not always be apparent, and the completion of a Phase I, Phase II Environmental Site Assessment, and remediation at select areas cannot provide a guarantee that hazardous waste or materials do not exist in other media or at other areas on the site.
3. It should be noted that no subsurface exploration can be thorough enough to exclude the possible presence of, variation of chemical compounds, hazardous materials or wastes at a given site. In cases where contaminants have not been discovered through exploration, this should not be construed as a guarantee that contaminants do not exist. At a given site, environmental conditions may exist that cannot be identified by visual observation. Where sample collection and testing have been performed, Bergmann's professional opinions are based in part on the interpretation of data from discrete sampling locations that may not represent conditions at unsampled locations.
4. It is the nature of environmental site assessment work for soil and groundwater conditions observed during this investigation to vary from the conditions identified during past and future site assessment explorations, even when the exploration program conforms to industry standards.
5. This Site soil, surface soil, and groundwater is impacted with low levels of chemical compounds that exceed NYSDEC soil cleanup objectives and groundwater standards. A Soil or Site Management Plan (SMP) is recommended to address future re-development of this property. The fuel oil UST should be removed in accordance with NYSDEC protocols for petroleum bulk storage regulations, closures, and removals.



PHOTOGRAPHS



Test pit TP-1 view of top of underground heating oil tank



Test Pit TP-2 view of manway for underground heating oil tank



Installation of soil boring SB-5 / monitoring well MW-1 (view looking north)



Installation of Soil boring SB-6 at northwest corner of the site (looking west)



Ground penetrating radar at yard area south of rear parking lot area (southeast)



Installation of Soil boring SB-8 / monitoring well MW-2 in rear yard area



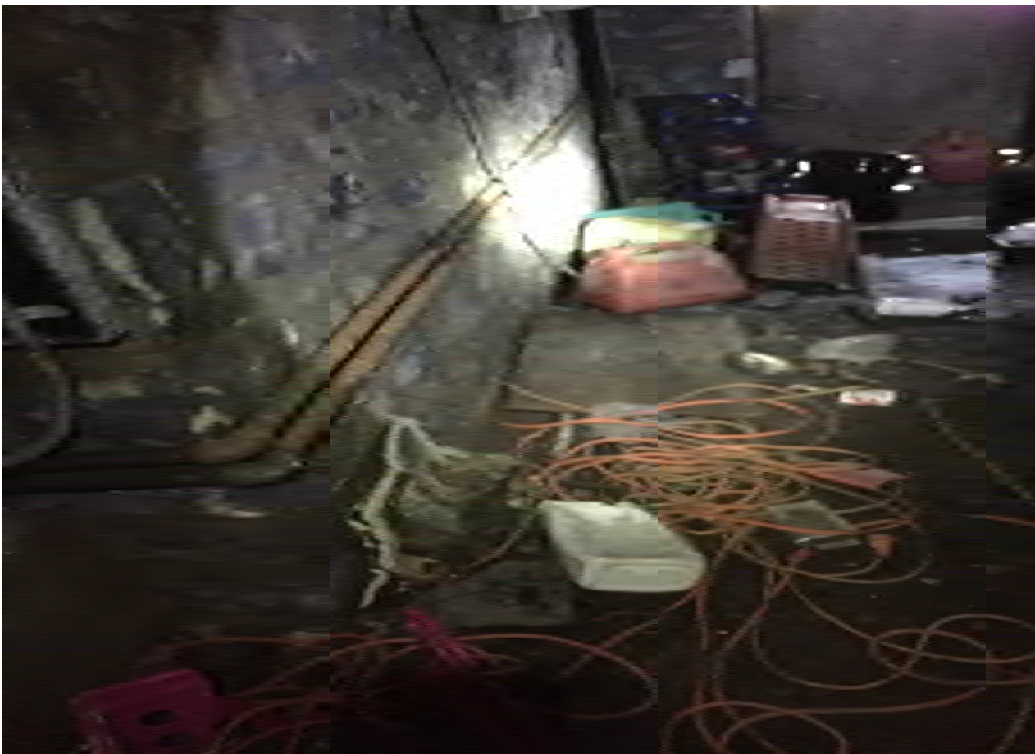
Dark brown colored buried topsoil - middle of sampled soils



Installation of SB-8 /MW-2 in rear yard area view looking north)



Above ground heating oil tank - 275 gallon in basement of school building



Heating oil transfer lines located in basement of school building

Appendix II

Site Photos















