ENGINEERING VENTURES PC

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April 15, 2022

Samantha Dunn- Assistant Director for Community Works
Community & Economic Development Office
Room 32, City Hall. 149 Church Street
Burlington, VT 05401

Re: Memorial Auditorium – Burlington, VT
Structural Stabilization Review EV 21214

Dear Samantha:

Engineering Ventures has completed a review of structural stabilization measures and hazardous materials based on the 2/15/2022 Agreement between Engineering Ventures and the City of Burlington.

This work focuses on developing project budgets for structural stabilization and hazardous material remediation. The stated goal of this report is to provide a budget to perform stabilization work that allows the building to remain in place for 3-5 years before a renovation, or possibly demolition, project takes place.

The team includes Engineering Ventures, Atlas Technical Consultants, LLC for hazardous materials testing, and Erickson Consulting for cost estimating.

The intent of this stabilization review is as follows:

- Reducing the potential of injury to people in and around the building
- Reducing the potential for further weathering or structural failure over the next 3-5 years to enhance the feasibility of a potential renovation to occur in the future.

The proposed building status would be as follows:

- The building will not be occupied other than the telecom space in the basement and occasional staff.
- The City will put in place measures to keep vandals out of the building- we are not including any costs for this.
- The current heating system will remain operational. No further review has taken place.

Basis of Review

Several investigations and studies have been completed concerning this building –by Engineering Ventures and others. This review is based on discussions with you and Public Works staff and the following documentation:

- Brick condition evaluation project completed by Engineering Ventures over the last year including several visits over the past 2 months.
- Roof reinforcing drawings prepared by Engineering Ventures in 2015
- Available original drawings from 1926 of the roof, balcony, and foundation.
- Reports of previous investigative and repair work including:
    - Facility Condition Assessment by EMG- October 2014
    - Masonry Wall Deterioration Report by Stantec- October 2015
    - Facilities Assessment Report by Stantec- April 2009
    - Masonry Restoration Report by Liszt- January 2008

Observations:

The following areas were visually reviewed.

Roofing:

The roofing system is less than 10 years old and appears in good condition.

Parapet

The parapet caps of cast stone and their anchorage are in fair condition. Many of the caulked joints have failed. This can lead to water infiltration into the brick walls causing further deterioration and damage to the brick and embedded steel from corrosion and freeze-thaw action.

Exterior Brick

There are several areas of concern:

- The embedded steel columns have corroded and the expanding rust has damaged the bricks at the pilasters. These locations are a hazard due to the potential for bricks to become dislodged.

- Steel framing over the upper-level windows has corroded and put outward pressure on the brick and has moved the brick. There is a noticeable bow in the

wall and steel plates were added to help contain the lateral displacement of the brick. There is potential for some of these bricks to become dislodged.

- Steel lintels over windows at all levels are in poor condition. Bricks supported by the steel lintels are at risk of falling.

Roof Framing:

Eighteen wood roof purlins have been identified as substandard due to deterioration – evidenced by rot from roof leaks and cracking due to overstress. Plans and details were developed in 2015 by Engineering Ventures. There is a potential for collapse or partial collapse of the roof under snow loads.

Floor Framing:

The main floor framing consists of steel girders and wood timber beams. Many of the timbers have split due to overstress and some have been reinforced in the past. The 2018 Engineering Ventures report suggests reinforcing about 2/3 of the existing timbers. This framing does not appear to be in danger of collapse with very light loads expected in a generally unoccupied condition over the next few years. Reinforcing can be put off until a reuse plan is developed.

Foundations/Concrete

Foundations exhibit signs of cracking and spalling. There is some leakage and deterioration at retaining walls in the boiler room and against Union Street. There were no signs of significant settlement or lateral movement of the walls and these areas are not deemed a current hazard.

The south-east exterior stair has been identified as a hazard due to uneven treads and sections of deteriorating concrete. This area is blocked from pedestrian traffic and should remain so.

Hazardous Materials:

A random sampling of potential for asbestos, lead, and PCBs was conducted by Atlas (see attached report). Generally, their findings are:

- A significant amount of asbestos was found with most of the material in the floor tiles. Other affected areas include insulation, caulking, and wiring.

- Lead paint was encountered on fire escapes and several indoor locations including doors, radiators, and isolated columns. The structural steel framing did not have lead paint.

- PCBs were not found in excess of 50 ppm.

Recommendations:

Based on our review, we propose the following measures be completed to meet the intent of stabilization:

- Reinforce the undersized and damaged roof purlins to guard against potential roof failure in heavy snow. The 2015 design is attached to this report for reference.
- Repair the cast stone parapet caps to include resealing all joints to reduce the potential for water infiltration
- Add containment netting at vulnerable locations to reduce the potential for falling bricks outside the building. This will cover most of the building exterior.

Other considerations/discussion:

- The current containment netting concept includes wrapping most of the building with a black netting system with vertical wood 2x4's screwed into the brick to hold the netting in place. This is a common temporary solution to limit the risk to passersby.

  We have discussed the possibility of adding a fence around the building. This could reduce the amount of vandal entry and would provide a safe zone around the building. This could possibly be done in addition or instead of netting. This has not been included in our cost estimate.

- Reinforcing of the existing purlins is made more difficult due to the height of the main auditorium roof and the balcony that is in the way. Reinforcing estimates include removing the existing seating and building a temporary platform to place staging on.

- It is not the intent to bring the building up to current codes for structural stability or Life Safety issues. The scope of structural work prior to a renovation would likely include:

  - Reinforcing of main auditorium floor beams
  - Evaluation and possible reinforcing to meet current seismic codes
  - Removal and replacement of substantial portions of the exterior brick including the upper section between balcony windows and the parapet and the pilasters around the steel columns. This work is expected to substantially exceed $1million.
  - Removal/replacement of existing fire escapes and the SE exterior stair
  - Addressing other deteriorated building elements including brick repointing and concrete repair.
  - Addressing water infiltration at the boiler room and east side basement walls.

- Beyond the scope of this report are evaluation and upgrades to heating, electrical, sprinklers, ADA/elevator, accessibility and egress, mechanical, and insulation. Previous reports including the 2019 BH+A study and the EMG 2014 Facility Condition Assessment address some of these issues. It is understood that the City has received an estimate of about $300,000 to replace the existing heating system.

- Demolition of the building has been discussed as a potential option. Casella Waste Management visited the building and has provided an estimate to demolish and dispose of the building.

Opinion of Probable Construction Costs:

Estimating of the structural upgrades has been completed by Erickson Consulting and hazardous materials remediation costs have been developed by Atlas with assistance from Mansfield Environmental Abatement Group. Demolition estimates have been developed by Erickson Consulting with assistance from Casella Waste Management.

Please refer to the attached Erickson Consulting detailed estimate and the quote at the conclusion of the Atlas report.

Summary

Item	Estimated Cost	Source
Roof Reinforcing	$ 114,000	Erickson Consulting Estimate
Brick & Parapet	$ 214, 265	Erickson Consulting Estimate
Heating System	$300,000	City of Burlington
Total Building Stabilization	$ 618,265	
Asbestos Abatement	$325,000	Contractor Estimate
Demolition	$3,026,100	Contractor Estimate

Qualifiers:

- Demolition costs do not include asbestos abatement
- Permits and fees including design fees are not included
- Demolition assumes the site does not need to be remediated and will be left as a mulched, seeded site. Testing for soil compaction and dust monitoring is not included.
- Testing of roofing materials for asbestos was not completed. If abatement is required, additional costs will be encountered.

- Costs have been developed based on March 2022 pricing. No escalation costs are included.

This report is a conditions assessment to identify the major areas of work required to stabilize the building and make steps toward financial planning, restoration, and re-use and is not intended to be used as a construction document for implementation of specific work. Additional design, drawings, specifications and integration of project steps will be required to finalize recommendations and provide direction to contractors.

The findings in this report are based on information available to Engineering Ventures, PC t the time of our work. We reserve the right to update, add or delete information contained herein upon the receipt of updated information.

Opinions of Construction Cost provided herein are to be considered preliminary for planning purposes only. Since a final design has not been developed and we have no control over the costs or price of labor, equipment or materials, or over the selected contractor's method of pricing, it is understood that the opinions of cost provided are made based on experience and may differ from bid or actual costs.

Thank you for the opportunity to provide these services to help in development of plans for this building. Please let us know if we can be of further assistance.

Respectfully,

Bob Need, PE – President
Engineering Ventures, PC

ASBESTOS, PCB, AND LEAD SURVEY

Memorial Auditorium
250 Main Street
Burlington, Vermont 05401

PREPARED FOR:

Bob Neeld, P.E.
President
Engineering Ventures, P.C.
208 Flynn Avenue, Suite 2A
Burlington, Vermont 05401

PREPARED BY:

Atlas Technical Consultants LLC
51 Knight Lane
Williston, VT 05495

March 23, 2022

51 Knight Lane
Williston, VT 05495
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March 23, 2022 Atlas Project Number: 208BS02380

Mr. Bob Neeld, P.E.
ENGINEERING VENTURES, P.C.
208 Flynn Avenue, Suite 2A
Burlington, Vermont 05401

Subject: **Asbestos, PCB and Lead Survey**
Memorial Auditorium
250 Main Street
Burlington, Vermont 05401

Dear Bob,

Atlas Technical Consultants LLC (Atlas) is pleased to present this report describing the bulk sampling of suspect asbestos containing building materials (ACBM), bulk sampling of suspect PCB containing materials, and the limited lead containing paint (LCP) inspection conducted at the above referenced site in Burlington, Vermont. On February 21 - 22, and March 9, 2022, Atlas conducted sampling of accessible materials with potential to be disturbed during future renovation/demolition activities.

The roof, the basement high voltage room, and the server room located in the annex area of the first floor were not accessible at the time of sampling and were therefore excluded from the survey documented herein.

ASBESTOS BULK SAMPLING

On February 22, 2022, Atlas collected 231 bulk samples of suspect ACBM for asbestos analysis. Bulk samples were submitted to EMSL Analytical, Inc. of Depew, NY for analysis by polarized light microscopy (PLM) EPA method as defined in Perkins, R.L. and B. W. Harvey, July 1993: "Method for the Determination of Asbestos in Bulk Material" 61 pp. (EPA/600/R-93/116). PLM results indicate that **18 materials** are considered to be “asbestos containing materials” by the EPA (AHERA) and Vermont Department of Health definition (>1% asbestos content).

Appendix I contains a list of suspect ACBM materials with tabulated results and a room by room summary of ACBM with approximate quantities. Analytical laboratory results are included as **Appendix V**. **Appendix VII** contains sample and ACBM location diagrams.

ASBESTOS RECOMMENDATIONS

In light of the findings, Atlas recommends:

- Selective demolition, where feasible, was conducted to adequately cover the extent of the intended demolition/renovations as indicated by the client. If demolition/renovation or scope of intended work changes or activities result in the discovery of additional suspect ACBM not sampled in this survey, appropriate sampling and analysis should be performed prior to disturbance.

- Vermiculite insulation was not visually observed during this survey. Without core holes drilled into every wall of each building phase of construction, it cannot be confirmed the presence or absence of vermiculite insulation. If this material is discovered during demolition/renovation activities, these activities shall cease and the vermiculite should be abated by a state licensed and certified abatement contractor.

- **Prior to any renovations/demolition, any asbestos containing materials that may be disturbed must be removed or abated as required per State and Federal regulations.**

- **Abatement activities must be performed by a Vermont certified abatement contractor following all applicable State and Federal regulations. Abatement activities should be designed by a Vermont certified asbestos project designer and overseen by a Vermont certified asbestos project monitor.**

Applicable certifications are included as **Appendix IX**.

PCB BULK SAMPLING

On February 22, 2022, Atlas collected 78 bulk samples of PCB suspect materials (oil paints, caulking or similar elastic sealant materials installed prior to 1980) with potential to be disturbed by the planned renovation/demolition. A minimum of three (3) bulk samples of each homogeneous suspect material was sampled and submitted for analysis. Sample analysis was performed by Con-Test Analytical Laboratory located at 39 Spruce Street in East Longmeadow, Massachusetts for analysis via EPA SW-846 Method 8082 (via Soxhlet Extraction). **Results indicate that no material sampled contained a concentration of PCBs equal to or greater than 50 ppm** (defined as “Bulk Product Waste” by the EPA).

Appendix II contains a list of sampled suspect PCB containing materials with tabulated results. Sample location diagrams are included as **Appendix VII**. **Appendix VI** contains laboratory analytical results.

PCB RECOMMENDATIONS

In light of the findings, Atlas recommends:

- Selective demolition, where feasible, was conducted to adequately cover the extent of the intended demolition/renovations as indicated by the client. If demolition/renovation or scope of intended work changes or activities result in the discovery of additional suspect PCB containing material not sampled in this survey, appropriate sampling and analysis should be performed prior to disturbance.

- Removal and disturbance of PCB containing materials (>50ppm) must be handled in accordance with applicable EPA and TSCA regulations, and may require an EPA approved remediation work plan.

LIMITED LEAD CONTAINING PAINT SURVEY

On March 9, 2022, Atlas performed a limited screening for LCP on accessible interior and exterior components/surfaces of the building that may be disturbed during upcoming renovation/demolition. Testing was conducted on representative building components to assist with contractor compliance with the VOSHA Lead in Construction Standard 1926.62. An x-ray fluorescence analyzer (XRF) was used to sample representative painted/coated components and surfaces for LCP. This screen should not be considered a complete inspection of all painted surfaces in the facility. **Appendix III** contains a summary of LBP/LCP Surfaces and Condition. **Appendix VIII** contains further details on the XRF protocol. **Appendix IX** contains appropriate Atlas lead certifications.

The Vermont Regulations for Lead Control (V.S.A Title 18, Chapter 38) defines the term lead-based paint (LBP) as “paint or other surface coatings that contain lead in excess of 1.0 mg/cm^2 or 0.5 percent by weight, or (1) in case of paint or other surface coatings such lower level as may be established by the Secretary of Housing and Urban Development, as defined by Section 302(c) of the Lead-Based Paint Poisoning Prevention Act, or (2) in the case of any other paint or surface coatings, such other level as may be established by the Administrator of the EPA”.

The XRF field sheets contained in **Appendix IV** contain more detail about the surfaces tested. Column one of the field sheets contains the type of component tested, the second column contains the condition of the painted surface, either "I” (intact) or “D” (deteriorated). The third column contains the type of substrate of the component (such as wood, sheet rock, etc.). The fourth column contains the color of the painted surface at the time of the testing. Column five contains the side of the room for which the component was tested, indicated as side A, B, C, or D. Side A is the side of the room facing the street, and moving in a clockwise direction each additional side perpendicular to the previous side is given the next consecutive letter. Column six contains the XRF result for that reading; column seven contains the XRF result for that reading if the testing was repeated. Column eight includes other *like components* within the room. *Like components* are similar components in the same room equivalent that should be considered to have identical paint content. Column nine contains the XRF Reading Number. Column ten contains the photo number if any photos of a component are taken on site.

The abbreviation "LCP" was entered in column 11 for any component and like components that are identified as lead containing paint. The abbreviation "LBP" was entered in column 11 for any component and like components that are identified as lead-based paint.

The bottom of each field sheet also contains an area for remarks provided by the inspector, which detail specific conditions noted for that particular area tested.

Because the Vermont Department of Health and Housing and Urban development allows for representative sampling, if one component is listed as positive for LCP/LBP, then all *like components* in that room equivalent/area should be considered positive for LCP/LBP. Untested surfaces should be considered to contain lead until testing proves otherwise.

Where Atlas was unable to access components such as floors and walls (covered by carpet or above drop ceilings) or elevated exterior trim, these components should be considered positive for LCP until testing proves otherwise.

LEAD RECOMMENDATIONS

In light of the findings, Atlas recommends:

- Copies of this report should be provided to the general contractor and demolition contractor to assist with compliance to the VOSHA Lead in Construction Standard.

PLANNNING BUDGET ESTIMATE

At the request of the client, Atlas retained Mansfield Environmental Group of Essex, Vermont to prepare an estimate of costs associated with abatement of known regulated hazards prior to disturbance. At the time of this report, known hazards requiring abatement prior to disturbance are limited to asbestos. On March 9, 2022, abatement of ACBM associated with accessible locations within the building has been estimated to be **$325,000**.

A copy of the Mansfield Environmental Group quote is included in **Appendix X**.

Thank you for selecting Atlas for your environmental management needs.

IF YOU HAVE ANY QUESTIONS, PLEASE CALL US AT (802) 862-1980.

Respectfully submitted,
Atlas Technical Consultants LLC

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APPENDICES

Appendix I

List of Suspect Asbestos Containing Materials and Results & Room by Room

March 23, 2022

Atlas Project Number: 208BS02380

Memorial Auditorium List of Suspect Asbestos Containing Materials and Results			
Homogenous Material	Description	% Asbestos*	Sample Numbers
H-01	Concrete Foundation	ND	01A-01B
H-02	Mortar with Brick	ND	02A-02B
H-03	Mudded Joint Packing Insulation – 10” Outside Diameter (O.D.)	ND	03A-03C
H-04	Mudded Joint Packing Insulation – 8” O.D.	ND	04A-04C
H-05	Mudded Joint Packing Insulation – 6” O.D.	ND	05A-05C
H-06	Mudded Joint Packing Insulation – 4” O.D.	ND	06A-06C
H-07	**Thermal System Insulation Run – Air cell**	**45% Chrysotile**	**07A-07C**
H-08	Boiler Panel Sealant – White	ND	08A-08B
H-09	Boiler Internal Insulation	ND	09A-09C
H-10	Boiler Hatch Insulation	ND	10A-10C
H-11	Boiler HVAC Paint – Black	ND	11A-11B
H-12	Boiler Gasket	ND	12A-12B
H-13	Interior Basement Window Glazing – Grey	ND	13A-13B
H-14	Interior Basement Window Mortar – Dark Grey	ND	14A-14B
H-15	Fire Caulking – Red	ND	15A-15B
H-16	Concrete Plaster with Metal Lathe	ND	16A-16C
H-17	Conduit Penetration Sealant – Grey	ND	17A-17B
H-18	**Insulated Wire with Old Lighting Fixtures**	**40% Chrysotile**	**18A-18B**
H-19	Interior Window Caulking, Double Pane Windows – Brown	ND	19A-19B
H-20	Interior Door Caulking – Brown	ND	20A-20B
H-21	Interior Door Caulking – White	ND	21A-21B
H-22	**Thermal System Run 4” O.D. – Fiberglass with Black Paper**	**10% Chrysotile**	**22A-22C**
H-23	Paper Barrier under Stage Floor	ND	23A-23B
H-24	**Thermal System Insulation Run 3” O.D. – Air Cell**	**45% Chrysotile**	**24A-24C**
H-25	**Mudded Joint Packing Insulation – 3” O.D.**	**45% Chrysotile**	**25A-25C**
H-26	**Stair Tower Flooring Leveler – Red**	**3% Chrysotile**	**26A-26F**
H-27	12” x 12” Vinyl Floor Tile – Grey	ND	27A-27B
H-28	Mastic with H-27 – Yellow	ND	28A-28B

ND – No asbestos detected by Polarized Light Microscopy (PLM) NA – Not Analyzed

* - Standard PLM analysis is accepted by the USEPA and the VDH. However, PLM is not consistently reliable for detecting asbestos in non-friable organically bound (NOB) materials (e.g. floor tiles, roofing, mastics). Therefore if PLM analysis has concluded that asbestos was not detected in a non-friable organically bound material, Quantitative TEM with NOB prep is the recommended analytical method that should be used to confirm that a material is negative.

Memorial Auditorium List of Suspect Asbestos Containing Materials and Results			
Homogenous Material	Description	% Asbestos*	Sample Numbers
H-29	**9" x 9" Vinyl Floor Tile – Brown and White**	**5% Chrysotile**	**29A-29B**
H-30	**Mastic with H-29 – Black**	**2% Chrysotile**	**30A-30B**
H-31	12" x 12" Vinyl Floor Tile – Green	ND	31A-31B
H-32	Mastic with H-31 – Black	ND	32A-32B
H-33	Floor Leveling Compound – White	ND	33A-33C
H-34	4" Covebase – Black	ND	34A-34B
H-35	Mastic with H-34	ND	35A-35B
H-36	Sink Undercoating – White	ND	36A-36B
H-37	Gypsum Wall Board – Loading Dock Area	ND	37A-37C
H-38	Joint Compound – Loading Dock Area	ND	38A-38C
H-39	Composite of H-37 and H-38	NA	39A-39C
H-40	Ceiling Skim Coat – White	ND	40A-40C
H-41	**Thermal System Insulation Run 2" O.D. – Black**	**2% Chrysotile**	**41A-41C**
H-42	VOID	-	-
H-43	Grout/Mortar with Blue, Red, White Ceramic Floor Tile	ND	43A-43B
H-44	Grout with 4" x 4" Ceramic Wall Tile	ND	44A-44B
H-45	Mortar with 4" x 4" Ceramic Wall Tile	ND	45A-45B
H-46	3" Covebase – Black, No Foot	ND	46A-46B
H-47	**Mastic with H-46**	**2% Chrysotile**	**47A-47B**
H-48	Gypsum Wall Board – Art Studio	ND	48A-48C
H-49	Joint Compound – Art Studio	ND	49A-49C
H-50	Composite of H-48 and H-49	NA	50A-50C
H-51	2' X 4' Ceiling Tile – Deep Fissures	ND	51A-51B
H-52	12" x 12" Vinyl Floor Tile – White	ND	52A-52B
H-53	12" x 12" Vinyl Floor Tile – Beige with White Streaks	ND	53A-53B
H-54	12" x 12" Vinyl Floor Tile – Blue with White Streaks	ND	54A-54B
H-55	12" x 12" Vinyl Floor Tile – Red with Pink Streaks	ND	55A-55B
H-56	Mastic with H-52, H-53, H-54, H-55, H-60	ND	56A-56B
H-57	Roofing Shingles	ND	57A-57B
H-58	VOID	-	-
H-59	Pottery Kiln Brick	ND	59A-59B

ND – No asbestos detected by Polarized Light Microscopy (PLM) NA – Not Analyzed

* - Standard PLM analysis is accepted by the USEPA and the VDH. However, PLM is not consistently reliable for detecting asbestos in non-friable organically bound (NOB) materials (e.g. floor tiles, roofing, mastics). Therefore if PLM analysis has concluded that asbestos was not detected in a non-friable organically bound material, Quantitative TEM with NOB prep is the recommended analytical method that should be used to confirm that a material is negative.

Memorial Auditorium List of Suspect Asbestos Containing Materials and Results			
Homogenous Material	Description	% Asbestos*	Sample Numbers
H-60	12” x 12” Vinyl Floor Tile – Grey with White and Dark Grey	ND	60A-60B
H-61	Sink Undercoating – Grey	ND	61A-61B
H-62	Carpet Mastic with Black Carpet	ND	62A-62B
H-63	**9” x 9” Vinyl Floor Tile – Brown with Dark Brown**	**4% Chrysotile**	**63A-63B**
H-64	**Mastic with H-63**	**2% Chrysotile**	**64A-64B**
H-65	Mastic with Dark Blue Carpet	ND	65A-65B
H-66	12” x 12” Vinyl Floor Tile – White with Black Dots	ND	66A-66B
H-67	12” x 12” Vinyl Floor Tile – Black with White Dots	ND	67A-67B
H-68	Mastic with H-66 and H-67	ND	68A-68B
H-69	Grout with 4” x 4” Ceramic Wall Tile	ND	69A-69B
H-70	Mortar with 4” x 4” Ceramic Wall Tile	ND	70A-70B
H-71	Grout with Ceramic Floor Tile	ND	71A-71B
H-72	Mortar with Ceramic Floor Tile	ND	72A-72B
H-73	Resilient Sheet Flooring – Yellow & Grey	ND	73A-73B
H-74	Stage Curtain – Red	ND	74A-74B
H-75	Stage Curtain – Black	ND	75A-75B
H-76	Gym Floor Underlayment	ND	76A-76B
H-77	Plaster with Metal Lathe	ND	77A-77C
H-78	Textured Skim Coat with H-77	ND	78A-78C
H-79	Terrazzo Flooring	ND	79A-79B
H-80	12” x 12” Vinyl Floor Tile – Brown with White and Dark Grey Streaks	ND	80A-80B
H-81	Mastic with H-80	ND	81A-81B
H-82	2’ x 4’ Ceiling Tile – Small Pinholes and Fissures	ND	82A-82B
H-83	Grout with 4” x 4” Ceramic Wall Tile	ND	83A-83B
H-84	Mortar with 4” x 4” Ceramic Wall Tile	ND	84A-84B
H-85	Interior Window Caulk with Single Pane Windows	ND	85A-85B
H-86	Gypsum Wallboard – 3rd Floor Offices	ND	86A-86C
H-87	Joint Compound – 3rd Floor Offices	ND	87A-87C
H-88	Composite of H-86 and H-87	NA	88A-88C
H-89	1’ x 1’ Ceiling Tile – Pinholes	ND	89A-89B

ND – No asbestos detected by Polarized Light Microscopy (PLM) NA – Not Analyzed

* - Standard PLM analysis is accepted by the USEPA and the VDH. However, PLM is not consistently reliable for detecting asbestos in non-friable organically bound (NOB) materials (e.g. floor tiles, roofing, mastics). Therefore if PLM analysis has concluded that asbestos was not detected in a non-friable organically bound material, Quantitative TEM with NOB prep is the recommended analytical method that should be used to confirm that a material is negative.

Memorial Auditorium List of Suspect Asbestos Containing Materials and Results			
Homogenous Material	Description	% Asbestos*	Sample Numbers
H-90	**Exterior Door Caulking – White**	**8% Chrysotile**	**90A-90B**
H-91	**Exterior Stone Window Sill Caulking – White**	**10% Chrysotile**	**91A-91B**
H-92	Exterior Window Caulking with Double Pane Windows – Brown	ND	92A-92B
H-93	Exterior Caulking with Round Ducts – Brown	ND	93A-93B
H-94	**Exterior Window Caulking – Grey**	**8% Chrysotile**	**94A-94B**
H-95	**Exterior Door Caulking with Main Entry Doors – Grey**	**10% Chrysotile**	**95A-95B**
H-96	**Exterior Caulking with Foundation Stone – Grey**	**10% Chrysotile**	**96A-96B**
H-97	Exterior Window Caulking with Basement Windows – Grey	ND	97A-97B
H-98	Plaster with 3rd Floor Balcony	ND	98A-98C
H-99	Resilient Sheet Flooring – Grey	ND	99A-99B
H-100	Exterior Window Glazing with Single Pane Windows	ND	100A-100B
H-101	**Kitchen Flooring – Black**	**5% Chrysotile**	**101A-101C**
H-102	Kitchen Flooring Leveler – Grey	ND	102A-102C

ND – No asbestos detected by Polarized Light Microscopy (PLM) NA – Not Analyzed

* - Standard PLM analysis is accepted by the USEPA and the VDH. However, PLM is not consistently reliable for detecting asbestos in non-friable organically bound (NOB) materials (e.g. floor tiles, roofing, mastics). Therefore if PLM analysis has concluded that asbestos was not detected in a non-friable organically bound material, Quantitative TEM with NOB prep is the recommended analytical method that should be used to confirm that a material is negative.

Memorial Auditorium Room by Room - Approximate ACBM Quantity Summary		
Material	Location(s)	Approximate Quantity
H-07, H-24: Thermal System Insulation – Air Cell	Basement Boiler Room and Coal Room, 1st Floor Kitchen, Annex, Art Rooms	400 Linear Feet
H-18: Insulated Wire w/ Old Lighting Fixtures	Basement Coal Room	8 Square Feet
H-22: Thermal System Insulation - 4" O.D. Fiberglass w/ Black Paper	1st Floor Kitchen	65 Linear Feet
H-25: Mudded Joint Packing: 3" O.D.	1st Floor Kitchen	15 Square Feet
H-101: Kitchen Flooring - Black	1st Floor Kitchen	500 Square Feet
H-29, H-30: 9"x9" Asbestos Floor Tile – Brown and White & Associates Mastic – Black	Loading Dock Area/ Annex	6,200 Square Feet
H-41: Thermal System Insulation 2" O.D. – Black	1st Floor East Hall/ East Stairwells	175 Linear Feet
H-47: Cove Base Mastic w/ H-46 – 3" Black Black Cove Base – No Foot	1st Floor East Hall	74 Square Feet
H-63, H-64: 9"x9" Asbestos Floor Tile – Brown w/ Dark Brown and Associated Mastic	Dressing Rooms Under Stage	870 Square Feet
H-90, H-95 : Exterior Door Caulking – White/ Grey	Exterior Doors, Main Entry Doors	18 Doors: 250 Linear Feet
H-91: Exterior Stone Window Sill Caulking – White	Exterior Window Sills	180 Sills: 400 Linear Feet
H-94: Exterior Window Caulking – White	Exterior Windows	180 Windows: 2,200 Linear Feet
H-96: Exterior Caulking w/ Foundation/ Brick	Exterior Foundation Stone/ Brick	400 Linear Feet
H-26: Stair Tower Flooring Leveler – Red	South East Stairwell	600 Square Feet

Appendix II

List of Suspect PCB Containing Materials and Results

March 23, 2022

Atlas Project Number: 208BS02380

Memorial Auditorium List of Suspect PCB Containing Materials and Results				
Homogenous Material	Description	PCB Result mg/kg (ppm)	Reporting Limit mg/kg (ppm)	Sample Number
H-13	Interior Basement Window Glazing – Grey	ND	0.79	PCB13A
		ND	0.79	PCB13B
		ND	0.79	PCB13C
H-15	Fire Caulking – Red	ND	0.79	PCB15A
		ND	0.79	PCB15B
		ND	0.79	PCB15C
H-19	Interior Window Caulking, Double Pane Windows – Brown	ND	0.79	PCB19A
		ND	0.79	PCB19B
		ND	0.78	PCB19C
H-20	Interior Door Caulking – Brown	**0.95**	0.78	PCB20A
		ND	0.78	PCB20B
		ND	0.79	PCB20C
H-21	Interior Door Caulking – White	ND	0.79	PCB21A
		ND	0.79	PCB21B
		ND	0.78	PCB21C
H-28	Mastic with H-27 – Yellow	**1.70**	0.50	PCB28A
		0.72	0.099	PCB28B
		1.54	0.49	PCB28C
H-30	Mastic with H-29 – Black	**1.8**	0.49	PCB30A
		1.3	0.49	PCB30B
		0.56	0.49	PCB30C
H-32	Mastic with H-31 – Black	**0.57**	0.099	PCB32A
		0.42	0.099	PCB32B
		ND	0.10	PCB32C
H-35	Mastic with H-34	ND	0.79	PCB35A
		ND	0.79	PCB35B
		ND	0.79	PCB35C
H-47	Mastic with H-46	22.7	1.0	PCB47A
		ND	0.80	PCB47B
		ND	0.80	PCB47C
H-56	Mastic with H-52, H-53, H-54, H-55, H-60	ND	2.5	PCB56A
		ND	2.5	PCB56B
		ND	2.5	PCB56C
H-62	Carpet Mastic with Black Carpet	ND	0.49	PCB62A
		ND	0.50	PCB62B
		ND	0.098	PCB62C
H-64	Mastic with H-63	0.45	0.10	PCB64A
		0.42	0.10	PCB64B
		0.55	0.10	PCB64C
H-65	Mastic with Dark Blue Carpet	ND	0.79	PCB65A
		ND	0.50	PCB65B
		ND	0.80	PCB65C
H-68	Mastic with H-66 and H-67	ND	0.80	PCB68A

ND – None detected via EPA SW-846 Method 8082 (via Soxhlet Extraction)
NA – Not Analyzed

Memorial Auditorium List of Suspect PCB Containing Materials and Results				
Homogenous Material	Description	PCB Result mg/kg (ppm)	Reporting Limit mg/kg (ppm)	Sample Number
H-68	Mastic with H-66 and H-67	ND	0.79	PCB68B
		ND	0.79	PCB68C
H-81	Mastic with H-80	ND	2.0	PCB81A
		ND	0.098	PCB81B
		ND	0.096	PCB81C
H-85	Interior Window Caulk with Single Pane Windows	2.2	0.79	PCB85A
		3.7	0.80	PCB85B
		0.90	0.80	PCB85C
H-90	Exterior Door Caulking – White	ND	0.80	PCB90A
		ND	0.79	PCB90B
		ND	0.80	PCB90C
H-91	Exterior Stone Window Sill Caulking – White	ND	0.80	PCB91A
		ND	0.79	PCB91B
		ND	0.79	PCB91C
H-92	Exterior Window Caulking with Double Pane Windows – Brown	ND	0.77	PCB92A
		ND	0.79	PCB92B
		ND	0.79	PCB92C
H-93	Exterior Caulking with Round Ducts – Brown	ND	0.79	PCB93A
		ND	0.79	PCB93B
		ND	0.79	PCB93C
H-94	Exterior Window Caulking with Single pane Windows – Grey	ND	0.79	PCB94A
		ND	0.78	PCB94B
		ND	0.79	PCB94C
H-95	Exterior Door Caulking with Main Entry Doors – Grey	ND	0.79	PCB95A
		ND	0.80	PCB95B
		ND	0.78	PCB95C
H-96	Exterior Caulking with Foundation Stone – Grey	ND	0.78	PCB96A
		ND	0.79	PCB96B
		ND	0.77	PCB96C
H-97	Exterior Window Caulking with Basement Windows – Grey	ND	0.78	PCB97A
		ND	0.79	PCB97B
		ND	0.79	PCB97C
H-100	Exterior Window Glazing with Single Pane Windows	ND	0.78	PCB100A
		ND	0.79	PCB100B
		ND	0.78	PCB100C

ND – None detected via EPA SW-846 Method 8082 (via Soxhlet Extraction)
NA – Not Analyzed

Appendix III
Summary of LBP/LCP Surfaces and Conditions

March 23, 2022

Atlas Project Number: 208BS02380

Memorial Auditorium Summary of LBP/LCP Surfaces and Condition			
Room Description	Component	Paint Condition	Result (mg/cm^2)
Kitchen	Door	Deteriorated	0.5
Kitchen	Floor	Deteriorated	3.5
NW Stair Well	Door	Deteriorated	0.4
NW Stair Well	Baseboard	Deteriorated	0.7
NW Stair Well	Radiator	Deteriorated	1.8
Loading Dock/Annex	Stair Support	Intact	0.9
Loading Dock/Annex	Stair Stringer	Intact	0.9
Loading Dock/Annex	Radiator	Intact	2.2
Loading Dock/Annex	Ceiling Support Column	Intact	0.6
Art Studio	Pipe	Deteriorated	0.5
Auditorium/Stage	Stage Casing	Intact	0.5
Main Lobby	Wall	Intact	0.5
Exterior	Fire Escape	Deteriorated	8.1

Appendix IV
XRF Field Data Sheets

March 23, 2022

Atlas Project Number: 208BS02380

ATLAS

51 Knight Lane • PO Box 1486
Williston, Vermont 05495
Telephone 802-862-1980
Fax 737-207-8272
www.oneatlas.com

CLIENT: Engineering Ventures P.C.

PROJECT ADDRESS: Memorial Auditorium - 250 Main St. Burlington VT

UNIT: N/A

INSPECTOR: Jacob Adams

DATE: 3/9/2022

ROOM #:

USE: Kitchen

LEVEL: 2nd

1	2	3	4	5	6	7	8	9	10	11
COMPONENT	CONDITION	SUBSTRATE	COLOR	SIDE	Result mg/cm2	Repeat result	Like Components	Paint Chip#	Paint Chip Result	Final Classification
Wall	D	Br	G	A	0.1					
Door	D	M	G	D	0.5	0.5				LCP
Casing	↓	W	↓	↓	0.0					
Stop	↓	W	↓	↓	0.1					
Jamb	↓	W	↓	↓	0.0					
Floor	D	O	R	/	3.5					LBP
Pipe	D	M	G	D	0.0					

CALIBRATIONS

TIME: 0828

Manufacture's Block	Block Tested Value: 1.0	1st Reading:	1.0	2nd Reading:	1.1	3rd Reading:	1.0
NIST Block (30 sec.)	NIST Value: 1.02	1st Reading:	1.0	2nd Reading:	1.0	3rd Reading:	1.0
Zero Lead Reference		1st Reading:	0.0	2nd Reading:	0.0	3rd Reading:	0.0

REMARKS: Floor has Leveler compound over concrete

LEGEND

CONDITION
I - Intact
D - Deteriorated

SUBSTRATE
P = PLASTER
SR = SHEETROCK
W = WOOD
M = METAL
CPT = CARPET
B = BRICK
C = CONRETE
CR = CERAMIC
O = OTHER
V = VINYL

COLOR
G = GREEN
W = WHITE
R = RED
BR = BROWN
UF = UNFINISHED
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Y = YELLOW

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CLIENT: Engineering Ventures P.C.

PROJECT ADDRESS: Memorial Auditorium - 250 Main SL Burlington VT

UNIT: N/A

INSPECTOR: Jacob Adams

DATE: 3/9/2022

ROOM #:

USE: Stairwell NW

LEVEL:

1	2	3	4	5	6	7	8	9	10	11
COMPONENT	CONDITION	SUBSTRATE	COLOR	SIDE	Result mg/cm2	Repeat result	Like Components	Paint Chip#	Paint Chip Result	Final Classification
Wall	I	W	W	B	0.0					
Wall	I	BR	G	C	0.1					
Door	D	W	W	B1	0.4	0.4				LCP
Floor	D	O	R	-	0.2					
Baseboard	D	W	BL	C	0.7	0.7				LCP
Radiator	D	M	G	B	1.8					LBP
Stair Tread	D	O	R	-	0.0					
↳ Riser	D	M	C	-	0.2					

CALIBRATIONS

TIME:

Manufacture's Block	Block Tested Value: 1.0	1st Reading:	2nd Reading:	3rd Reading:
NIST Block (30 sec.)	NIST Value: 1.02	1st Reading:	2nd Reading:	3rd Reading:
Zero Lead Reference		1st Reading:	2nd Reading:	3rd Reading:

REMARKS: Floor .3 leveler over concrete.

LEGEND

CONDITION
I - Intact
D - Deteriorated

SUBSTRATE
P = PLASTER
SR = SHEETROCK
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CLIENT: Engineering Ventures P.C.

PROJECT ADDRESS: Memorial Auditorium - 250 Main St. Burlington VT

UNIT: N/A

INSPECTOR: Jacob Adams

DATE: 3/9/2022

ROOM #: USE: Loading Dock (Annex) LEVEL: 2

1	2	3	4	5	6	7	8	9	10	11
COMPONENT	CONDITION	SUBSTRATE	COLOR	SIDE	Result mg/cm2	Repeat result	Like Components	Paint Chip#	Paint Chip Result	Final Classification
Wall	D	SR	W	A	0.0					
Wall	D	BR	W	C	0.2					
Wall	D	BR	G	C	0.3					
Floor	D	Tile	/	/	0.1					
Stair Support	I	M	G	B	0.9	0.8				LCP
Stair Stringer	I	M	G	B	~~0.9~~	0.8				LCP
Radiator	I	M	G	C	2.2					LBP
Ceiling Support	I	M	O	/	0.6	0.5				LCP
Structural Steel	D	M	/	C	0.1					
Door	D	W	G	D3	0.0					
Casing	D	W	G	D3	0.1					

CALIBRATIONS	TIME:			
Manufacture's Block	Block Tested Value: 1.0	1st Reading:	2nd Reading:	3rd Reading:
NIST Block (30 sec.)	NIST Value: 1.02	1st Reading:	2nd Reading:	3rd Reading:
Zero Lead Reference		1st Reading:	2nd Reading:	3rd Reading:

REMARKS:

LEGEND

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D - Deteriorated

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CLIENT: Engineering Ventures P.C.

PROJECT ADDRESS: Memorial Auditorium - 250 Main St. Burlington VT

UNIT: N/A

INSPECTOR: Jacob Adams

DATE: 3/9/2022

ROOM #: USE: Art Studio LEVEL: 2

1	2	3	4	5	6	7	8	9	10	11
COMPONENT	CONDITION	SUBSTRATE	COLOR	SIDE	Result mg/cm2	Repeat result	Like Components	Paint Chip#	Paint Chip Result	Final Classification
Wall	D	SR	GR	D	0.0					
Support Column	I	W	W	-	0.2					
Pipe	D	M	W	A	0.5	0.2				LCP
Window sill	I	C	W	A	0.2					

CALIBRATIONS TIME:

Manufacture's Block	Block Tested Value: 1.0	1st Reading:	2nd Reading:	3rd Reading:
NIST Block (30 sec.)	NIST Value: 1.02	1st Reading:	2nd Reading:	3rd Reading:
Zero Lead Reference		1st Reading:	2nd Reading:	3rd Reading:

REMARKS:

LEGEND

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Y = YELLOW
GR = gray

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CLIENT: Engineering Ventures P.C.

PROJECT ADDRESS: Memorial Auditorium - 250 Main St. Burlington VT

UNIT: N/A

INSPECTOR: Jacob Adams

DATE: 3/9/2022

ROOM #: USE: West Hall LEVEL: 2

1	2	3	4	5	6	7	8	9	10	11
COMPONENT	CONDITION	SUBSTRATE	COLOR	SIDE	Result mg/cm2	Repeat result	Like Components	Paint Chip#	Paint Chip Result	Final Classification
Door	D	W	R	D2	0.0					
Casing	D	W	R	D2	0.0					
Door	D	M	W	A8	0.0					
Casing	D	M	W	A8	0.1					

CALIBRATIONS TIME:

Manufacture's Block	Block Tested Value: 1.0	1st Reading:	2nd Reading:	3rd Reading:
NIST Block (30 sec.)	NIST Value: 1.02	1st Reading:	2nd Reading:	3rd Reading:
Zero Lead Reference		1st Reading:	2nd Reading:	3rd Reading:

REMARKS:

LEGEND

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CLIENT: Engineering Ventures P.C.

PROJECT ADDRESS: Memorial Auditorium - 250 Main St. Burlington VT

UNIT: N/A

INSPECTOR: Jacob Adams

DATE: 3/9/2022

ROOM #: USE: Auditorium / Stage LEVEL: 3

1	2	3	4	5	6	7	8	9	10	11
COMPONENT	CONDITION	SUBSTRATE	COLOR	SIDE	Result mg/cm2	Repeat result	Like Components	Paint Chip#	Paint Chip Result	Final Classification
Floor	I	W	multi	-	0.0					
Door	I	W	St	D3	0.0					
Casing	↓	↓	P	↓	0.0					
Threshold	D	W	St	D3	0.0					
Stage Floor	D	W	St	[illegible]	0.1					
Floor molding	D	W	G	B	0.0					
Stage Casing	I	W	G	B	0.5	0.3				LCP
Wall	D	W	Blk	C	0.0					

CALIBRATIONS TIME:

Manufacture's Block	Block Tested Value: 1.0	1st Reading:	2nd Reading:	3rd Reading:
NIST Block (30 sec.)	NIST Value: 1.02	1st Reading:	2nd Reading:	3rd Reading:
Zero Lead Reference		1st Reading:	2nd Reading:	3rd Reading:

REMARKS:

LEGEND

CONDITION
I - Intact
D - Deteriorated

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P = purple

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CLIENT: Engineering Ventures P.C.

PROJECT ADDRESS: Memorial Auditorium - 250 Main St. Burlington VT

UNIT: N/A

INSPECTOR: Jacob Adams

DATE: 3/9/2022

ROOM #:

USE: Main Lobby

LEVEL: 3

1	2	3	4	5	6	7	8	9	10	11
COMPONENT	CONDITION	SUBSTRATE	COLOR	SIDE	Result mg/cm2	Repeat result	Like Components	Paint Chip#	Paint Chip Result	Final Classification
Wall	I	P	W	D	0.5	0.4				LCP
Floor	I	O	UF	-	0.0					
Radiator	D	M	P	D	0.3					

CALIBRATIONS

TIME:

Manufacture's Block	Block Tested Value: 1.0	1st Reading:	2nd Reading:	3rd Reading:
NIST Block (30 sec.)	NIST Value: 1.02	1st Reading:	2nd Reading:	3rd Reading:
Zero Lead Reference		1st Reading:	2nd Reading:	3rd Reading:

REMARKS: Floor is Decorative Concrete

LEGEND

CONDITION
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CLIENT: Engineering Ventures P.C.

PROJECT ADDRESS: Memorial Auditorium - 250 Main St. Burlington VT

UNIT: N/A

INSPECTOR: Jacob Adams

DATE: 3/9/2022

ROOM #:

USE: Balcony

LEVEL: 4

1	2	3	4	5	6	7	8	9	10	11
COMPONENT	CONDITION	SUBSTRATE	COLOR	SIDE	Result mg/cm2	Repeat result	Like Components	Paint Chip#	Paint Chip Result	Final Classification
Floor	D	W	ST	—	0.1					
Stair	D	W	G	—	0.0					
Chair	F	W	ST	—	0.0					
Railing	±	M	G	—	0.2					
Wall	F	M	W	D	0.1					
Structural Steel	D	M	R	C	0.1					
Structural Steel	D	M	R	C	0.1					
Wall	D	BR	W	C	0.0					

CALIBRATIONS

TIME:

Manufacture's Block	Block Tested Value: 1.0	1st Reading:	2nd Reading:	3rd Reading:
NIST Block (30 sec.)	NIST Value: 1.02	1st Reading:	2nd Reading:	3rd Reading:
Zero Lead Reference		1st Reading:	2nd Reading:	3rd Reading:

REMARKS:

LEGEND

CONDITION
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CLIENT: Engineering Ventures P.C.

PROJECT ADDRESS: Memorial Auditorium - 250 Main St. Burlington VT

UNIT: N/A

INSPECTOR: Jacob Adams

DATE: 3/9/2022

ROOM #:

USE: Hall/offices

LEVEL: 4

1	2	3	4	5	6	7	8	9	10	11
COMPONENT	CONDITION	SUBSTRATE	COLOR	SIDE	Result mg/cm2	Repeat result	Like Components	Paint Chip#	Paint Chip Result	Final Classification
Floor	I	W	St	-	0.1					
Wall	I	SR	G	A	0.1					
Baseboard	I	W	G	A	0.1					
Door	I	M	G	~~A~~B	0.0					
Casing	I	M	G	~~A~~B	0.1					
Door	I	W	BLK	B	0.1					
Window Sash	D	M	G	A1	0.1					
Window Header	D	M	G	A1	0.1					

CALIBRATIONS

TIME:

Manufacture's Block	Block Tested Value: 1.0	1st Reading:	2nd Reading:	3rd Reading:
NIST Block (30 sec.)	NIST Value: 1.02	1st Reading:	2nd Reading:	3rd Reading:
Zero Lead Reference		1st Reading:	2nd Reading:	3rd Reading:

REMARKS:

LEGEND

CONDITION
I - Intact
D - Deteriorated

SUBSTRATE
P = PLASTER
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www.oneatlas.com

CLIENT: Engineering Ventures P.C.

PROJECT ADDRESS: Memorial Auditorium - 250 Main St. Burlington VT

UNIT: N/A

INSPECTOR: Jacob Adams

DATE: 3/9/2022

ROOM #:

USE: Hall

LEVEL: 5+L

1	2	3	4	5	6	7	8	9	10	11
COMPONENT	CONDITION	SUBSTRATE	COLOR	SIDE	Result mg/cm2	Repeat result	Like Components	Paint Chip#	Paint Chip Result	Final Classification
Ceiling	I	M	W	—	0.0					
Structural Steel	I	M	W	—	0.2					
Stairwell	I	C	R	/	0.2					

CALIBRATIONS

TIME:

Manufacture's Block	Block Tested Value: 1.0	1st Reading:	2nd Reading:	3rd Reading:
NIST Block (30 sec.)	NIST Value: 1.02	1st Reading:	2nd Reading:	3rd Reading:
Zero Lead Reference		1st Reading:	2nd Reading:	3rd Reading:

REMARKS:

LEGEND

CONDITION
I - Intact
D - Deteriorated

SUBSTRATE
P = PLASTER
SR = SHEETROCK
W = WOOD
M =METAL
CPT = CARPET
B = BRICK
C = CONRETE
CR = CERAMIC
O = OTHER
V = VINYL

COLOR
G = GREEN
W = WHITE
R = RED
BR = BROWN
UF = UNFINISHED
V = VARNISH
BL = BLUE
BLK = BLACK
C = CREAM
S = STAIN
WP= WALLPAPER
O = ORANGE
Y = YELLOW

ATLAS

51 Knight Lane • PO Box 1486
Williston, Vermont 05495
Telephone 802-862-1980
Fax 737-207-8272
www.oneatlas.com

CLIENT: Engineering Ventures P.C.

PROJECT ADDRESS: Memorial Auditorium - 250 Main St. Burlington VT

UNIT: N/A

INSPECTOR: Jacob Adams

DATE: 3/9/2022

ROOM #:

USE: Dressing Rm

LEVEL: 2.5

1	2	3	4	5	6	7	8	9	10	11
COMPONENT	CONDITION	SUBSTRATE	COLOR	SIDE	Result mg/cm2	Repeat result	Like Components	Paint Chip#	Paint Chip Result	Final Classification
Door	I	W	R	D3	0.0					
Door Casing	I	W	R	D3	0.1					
Ceramic Tile	I	CR	UF	/	0.0					

CALIBRATIONS

TIME:

Manufacture's Block	Block Tested Value: 1.0	1st Reading:	2nd Reading:	3rd Reading:
NIST Block (30 sec.)	NIST Value: 1.02	1st Reading:	2nd Reading:	3rd Reading:
Zero Lead Reference		1st Reading:	2nd Reading:	3rd Reading:

REMARKS:

LEGEND

CONDITION
I - Intact
D - Deteriorated

SUBSTRATE
P = PLASTER
SR = SHEETROCK
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CLIENT: Engineering Ventures P.C.

PROJECT ADDRESS: Memorial Auditorium - 250 Main SL Burlington VT

UNIT: N/A

INSPECTOR: Jacob Adams

DATE: 3/9/2022

ROOM #:

USE: Exterior ✓

LEVEL: 1st / 2nd

1	2	3	4	5	6	7	8	9	10	11
COMPONENT	CONDITION	SUBSTRATE	COLOR	SIDE	Result mg/cm2	Repeat result	Like Components	Paint Chip#	Paint Chip Result	Final Classification
Railing	D	m	G	C	0.0					
Bulkhead	D	m	G	C	0.0					
Garage Door/Casing	D	W	G	C	0.0					
Fire Escape	D	m	G	C	8.1					LBP
Door	I	M	G	C1	0.1					
Door	I	m	G	B2	0.0					
Foundation	I	C	GR	B	0.2					

CALIBRATIONS

TIME: 1205

Manufacture's Block	Block Tested Value: 1.0	1st Reading: 1.1	2nd Reading: 1.1	3rd Reading: 1.1
NIST Block (30 sec.)	NIST Value: 1.02	1st Reading: 1.0	2nd Reading: 1.0	3rd Reading: 0.9
Zero Lead Reference		1st Reading: 0.0	2nd Reading: 0.0	3rd Reading: 0.0

REMARKS:

LEGEND

CONDITION
I - Intact
D - Deteriorated

SUBSTRATE
P = PLASTER
SR = SHEETROCK
W = WOOD
M = METAL
CPT = CARPET
B = BRICK
C = CONRETE
CR = CERAMIC
O = OTHER
V = VINYL

COLOR
G = GREEN
W = WHITE
R = RED
BR = BROWN
UF = UNFINISHED
V = VARNISH
BL = BLUE
BLK = BLACK
C = CREAM
S = STAIN
WP = WALLPAPER
O = ORANGE
Y = YELLOW
GR = gray

Appendix V
Asbestos Bulk Sample Laboratory Report

March 23, 2022

Atlas Project Number: 208BS02380

EMSL Analytical, Inc.

490 Rowley Road Depew, NY 14043
Tel/Fax: (716) 651-0030 / (716) 651-0394
http://www.EMSL.com / buffalolab@emsl.com

EMSL Order: 142200680
Customer ID: ATCE53
Customer PO:
Project ID:

Attention: Nathan Amato
Atlas Technical
51 Knight Lane
Williston, VT 05495

Phone: (802) 862-1980
Fax: (802) 862-1405
Received Date: 02/24/2022 12:30 PM
Analysis Date: 03/01/2022 - 03/03/2022
Collected Date: 02/22/2022

Project: 280BS02380 / Memorial Auditorium Inspection / 250 Main Street Burlington, VT / Throughout

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
1A *142200680-0001*	Boiler Room - Concrete Foundation	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-01		
1B *142200680-0002*	Coal Rm - Concrete Foundation	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-01		
2A *142200680-0003*	Hall to Boiler Rm - Mortar w/Brick	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-02		
2B *142200680-0004*	Coal Room - Mortar w/Brick	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-02		
3A *142200680-0005*	Boiler Rm Cetr - MJP 10" O.D.	Tan Fibrous Homogeneous	25% Glass	75% Non-fibrous (Other)	None Detected
			HA: H-03		
3B *142200680-0006*	Boiler Rm N - MJP 10" O.D.	Tan Fibrous Homogeneous	35% Glass	65% Non-fibrous (Other)	None Detected
			HA: H-03		
3C *142200680-0007*	Boiler Rm S - MJP 10" O.D.	Brown Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
			HA: H-03		
4A *142200680-0008*	Boiler Rm Cetr - MJP 8" O.D.	Tan Fibrous Homogeneous	45% Glass	55% Non-fibrous (Other)	None Detected
			HA: H-04		
4B *142200680-0009*	Boiler Rm N - MJP 8" O.D.	Tan Fibrous Homogeneous	45% Glass	55% Non-fibrous (Other)	None Detected
			HA: H-04		
4C *142200680-0010*	Boiler Rm S - MJP 8" O.D.	Brown Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
			HA: H-04		
5A *142200680-0011*	Boiler Rm C - MJP 6" O.D.	Beige Fibrous Homogeneous	45% Glass	55% Non-fibrous (Other)	None Detected
			HA: H-05		
5B *142200680-0012*	Boiler Rm N - MJP 6" O.D.	Beige Fibrous Homogeneous	45% Glass	55% Non-fibrous (Other)	None Detected
			HA: H-05		

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EMSL Order: 142200680
Customer ID: ATCE53
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
5C *142200680-0013*	Boiler Rm S - MJP 6" O.D.	Brown Fibrous Homogeneous	10% Glass HA: H-05	90% Non-fibrous (Other)	None Detected
6A *142200680-0014*	Boiler Rm C - MJP 4" O.D.	Tan Fibrous Homogeneous	45% Glass HA: H-06	55% Non-fibrous (Other)	None Detected
6B *142200680-0015*	Boiler Rm N - MJP 4" O.D.	Tan Fibrous Homogeneous	45% Glass HA: H-06	55% Non-fibrous (Other)	None Detected
6C *142200680-0016*	Boiler Rm C - MJP 4" O.D.	Tan Fibrous Homogeneous	15% Glass HA: H-06	85% Non-fibrous (Other)	None Detected
7A *142200680-0017*	Boiler Rm NW Corner - TSI Run - Air Cell	Brown Fibrous Homogeneous	95% Cellulose HA: H-07	5% Non-fibrous (Other)	None Detected
7B *142200680-0018*	Boiler Room W - TSI Run - Air Cell	Brown/Gray Fibrous Homogeneous	50% Cellulose HA: H-07	5% Non-fibrous (Other)	45% Chrysotile
7C *142200680-0019*	Boiler Room SW - TSI Run - Air Cell		HA: H-07		Positive Stop (Not Analyzed)
8A *142200680-0020*	N. Boiler - Boiler Panel Sealant - White	Gray Fibrous Homogeneous	35% Cellulose 20% Glass HA: H-08	45% Non-fibrous (Other)	None Detected
8B *142200680-0021*	S. Boiler - Boiler Panel Sealant - White	Gray Fibrous Homogeneous	10% Glass HA: H-08	90% Non-fibrous (Other)	None Detected
9A *142200680-0022*	N. Boiler - Boiler Internal Insulation	Brown Fibrous Homogeneous	15% Glass HA: H-09	85% Non-fibrous (Other)	None Detected
9B *142200680-0023*	N. Boiler - Boiler Internal Insulation	Brown Fibrous Homogeneous	25% Glass HA: H-09	75% Non-fibrous (Other)	None Detected
9C *142200680-0024*	S. Boiler - Boiler Internal Insulation	Brown Fibrous Homogeneous	35% Glass HA: H-09	65% Non-fibrous (Other)	None Detected
10A *142200680-0025*	N. Boiler S. Hatch - Boiler Hatch Insulation	White Fibrous Homogeneous	99% Glass HA: H-10	1% Non-fibrous (Other)	None Detected
10B *142200680-0026*	N. Boiler N. Hatch - Boiler Hatch Insulation	White/Red Fibrous Homogeneous	94% Glass HA: H-10	6% Non-fibrous (Other)	None Detected
10C *142200680-0027*	S. Boiler N. Hatch - Boiler Hatch Insulation	Gray/Black Fibrous Homogeneous	99% Glass	1% Non-fibrous (Other)	None Detected

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

EMSL Order: 142200680
Customer ID: ATCE53
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
			HA: H-10		
11A *142200680-0028*	Duct N. of Boiler - Boiler HVAC Paint - Black	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-11		
11B *142200680-0029*	Duct N. of Boiler - Boiler HVAC Paint - Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-11		
12A *142200680-0030*	N. Boiler - Boiler Gasket	Tan Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
			HA: H-12		
12B *142200680-0031*	S. Boiler - Boiler Gasket	Tan Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
			HA: H-12		
13A *142200680-0032*	N. Window, Basement - Interior Basement Window Glazing - Grey	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-13		
13B *142200680-0033*	N. Window, S. Side - Interior Basement Window Glazing - Grey	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-13		
14A *142200680-0034*	2nd Window From N. - Interior Basement Window Mortar - Dark Grey	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-14		
14B *142200680-0035*	2nd Window From N. - Interior Basement Window Mortar - Dark Grey	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-14		
15A *142200680-0036*	Coal Room - Fire Caulk - Red	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-15		
15B *142200680-0037*	Coal Room - Fire Caulk - Red	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-15		
16A *142200680-0038*	Boiler Rm - Center Ceiling - Concrete Plaster w/Metal Lathe	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-16		
16B *142200680-0039*	Boiler Rm - S.Ceiling - Concrete Plaster w/Metal Lathe	Gray Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-16		
16C *142200680-0040*	Boiler Rm/Coal Rm - Center Ceiling - Concrete Plaster w/Metal Lathe	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-16		

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
17A *142200680-0041*	Boiler Rm - North - Conduit Penetration Sealant - Grey	Gray Non-Fibrous Homogeneous	HA: H-17	100% Non-fibrous (Other)	None Detected
17B *142200680-0042*	Coal Rm - North - Conduit Penetration Sealant - Grey	Gray Non-Fibrous Homogeneous	HA: H-17	100% Non-fibrous (Other)	None Detected
18A *142200680-0043*	Coal Rm - East Wall - Insulation Wire w/Old lighting Fixtures	White Fibrous Homogeneous	50% Cellulose HA: H-18	10% Non-fibrous (Other)	40% Chrysotile
18B *142200680-0044*	See 18A - Insulation Wire w/Old lighting Fixtures		HA: H-18		Positive Stop (Not Analyzed)
19A *142200680-0045*	Kitchen West - Interior Window Caulk w/Double Pane Windows - Brown	Brown Non-Fibrous Homogeneous	HA: H-19	100% Non-fibrous (Other)	None Detected
19B *142200680-0046*	N Stair E Window - Interior Window Caulk w/Double Pane Windows - Brown	Brown Non-Fibrous Homogeneous	HA: H-19	100% Non-fibrous (Other)	None Detected
20A *142200680-0047*	NW Ext. Door, 1st Fl, W. Side - Interior Door Caulk - Brown	Red Non-Fibrous Homogeneous	HA: H-20	100% Non-fibrous (Other)	None Detected
20B *142200680-0048*	NW Ext. Door, 1st Fl, E. Side - Interior Door Caulk - Brown	Gray/Red Non-Fibrous Homogeneous	HA: H-20	100% Non-fibrous (Other)	None Detected
21A *142200680-0049*	Door to Kitchen, W. Side - Interior Door Caulk - White	Tan/Beige Non-Fibrous Homogeneous	HA: H-21	100% Non-fibrous (Other)	None Detected
21B *142200680-0050*	Door to Kitchen, E. Side - Interior Door Caulk - White	Tan/Beige Non-Fibrous Homogeneous	HA: H-21	100% Non-fibrous (Other)	None Detected
22A *142200680-0051*	Kitchen West - TSI Run 4" - Fiberglass w/Black Paper	Brown/Gray/Black Fibrous Homogeneous	60% Cellulose HA: H-22	30% Non-fibrous (Other)	10% Chrysotile
22B *142200680-0052*	Kitchen West - TSI Run 4" - Fiberglass w/Black Paper		HA: H-22		Positive Stop (Not Analyzed)
22C *142200680-0053*	Kitchen West - TSI Run 4" - Fiberglass w/Black Paper		HA: H-22		Positive Stop (Not Analyzed)
23A *142200680-0054*	Au - Stage - Paper Barrier Under Stage Floor	Brown Fibrous Homogeneous	98% Cellulose HA: H-23	2% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
23B *142200680-0055*	Au - Stage - Paper Barrier Under Stage Floor	Brown Fibrous Homogeneous	98% Cellulose HA: H-23	2% Non-fibrous (Other)	None Detected
24A *142200680-0056*	Kitchen West - TSI Aircell 3" Run	Gray/Tan Fibrous Homogeneous	45% Cellulose HA: H-24	10% Non-fibrous (Other)	45% Chrysotile
24B *142200680-0057*	Kitchen West - TSI Aircell 3" Run		HA: H-24		Positive Stop (Not Analyzed)
24C *142200680-0058*	Kitchen West - TSI Aircell 3" Run		HA: H-24		Positive Stop (Not Analyzed)
25A *142200680-0059*	Kitchen West - TSI 3" MJP O.D.	Gray Fibrous Homogeneous	45% Cellulose HA: H-25	10% Non-fibrous (Other)	45% Chrysotile
25B *142200680-0060*	Kitchen West - TSI 3" MJP O.D.		HA: H-25		Positive Stop (Not Analyzed)
25C *142200680-0061*	Kitchen West - TSI 3" MJP O.D.		HA: H-25		Positive Stop (Not Analyzed)
26A *142200680-0062* *Samples 26 A, B, and C are all three different materials.*	Kitchen Center - Floor Leveler - Red	Gray Non-Fibrous Homogeneous	HA: H-26	100% Non-fibrous (Other)	None Detected
26B *142200680-0063* *Samples 26 A, B, and C are all three different materials.*	Stair Landing @ Gym - Floor Leveler - Red	Red Fibrous Homogeneous	22% Cellulose HA: H-26	78% Non-fibrous (Other)	None Detected
26C *142200680-0064* *Samples 26 A, B, and C are all three different materials.*	Stair Landing Top Floor - Floor Leveler - Red	Red Fibrous Homogeneous	HA: H-26	97% Non-fibrous (Other)	3% Chrysotile
27A *142200680-0065*	Loading Dock NW - 12x12 VFT - Grey	Gray Non-Fibrous Homogeneous	HA: H-27	100% Non-fibrous (Other)	None Detected
27B *142200680-0066*	Loading Dock Central - 12x12 VFT - Grey	Gray Non-Fibrous Homogeneous	HA: H-27	100% Non-fibrous (Other)	None Detected
28A *142200680-0067*	Same as 27A - Mastic w/H-27 - Yellow	Black/Yellow Fibrous Heterogeneous	3% Cellulose HA: H-28	97% Non-fibrous (Other)	None Detected
28B *142200680-0068*	Same as 27B - Mastic w/H-27 - Yellow	Brown Non-Fibrous Homogeneous	HA: H-28	100% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
29A *142200680-0069*	Same as 27A - 9x9 VFT Brown & White	Brown Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
			HA: H-29		
29B *142200680-0070*	Same as 27B - 9x9 VFT Brown & White				Positive Stop (Not Analyzed)
			HA: H-29		
30A *142200680-0071*	Same as 27A - Mastic w/H-29 - Black	Black Fibrous Heterogeneous		98% Non-fibrous (Other)	2% Chrysotile
Possible contamination from floor tile sample 29A.					
			HA: H-30		
30B *142200680-0072*	Same as 27B - Mastic w/H-29 - Black				Positive Stop (Not Analyzed)
			HA: H-30		
31A *142200680-0073*	Loading Dock Central - 12x12 VFT - Green	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-31		
31B *142200680-0074*	Loading Dock Central - 12x12 VFT - Green	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-31		
32A *142200680-0075*	Loading Dock Central - Mastic w/H-31 - Black	Black Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-32		
32B *142200680-0076*	Loading Dock Central - Mastic w/H-31 - Black	Black Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-32		
33A *142200680-0077*	Loading Dock Area @ Column - Floor Leveling Compound - White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-33		
33B *142200680-0078*	See 33A - Floor Leveling Compound - White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-33		
33C *142200680-0079*	See 33A - Floor Leveling Compound - White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-33		
34A *142200680-0080*	Loading Dock NW - 4" Covebase - Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-34		
34B *142200680-0081*	Loading Dock South - 4" Covebase - Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-34		
35A *142200680-0082*	Same as 34A - Mastic w/H-34	Brown/Clear Fibrous Homogeneous	55% Cellulose	45% Non-fibrous (Other)	None Detected
Inseparable paper included in analysis.					
			HA: H-35		

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
35B *142200680-0083*	Same as 34B - Mastic w/H-34	Beige Non-Fibrous Heterogeneous	HA: H-35	100% Non-fibrous (Other)	None Detected
36A *142200680-0084*	Loading Dock Area @ Sink - Sink Undercoat - White	Tan/White Fibrous Heterogeneous	20% Cellulose HA: H-36	80% Non-fibrous (Other)	None Detected
36B *142200680-0085*	See 36A - Sink Undercoat - White	Tan/White Fibrous Homogeneous	20% Cellulose HA: H-36	80% Non-fibrous (Other)	None Detected
37A *142200680-0086*	Loading Dock Area - SE Storage - Gypsum Wallboard - Loading Dock Area *Paper and gypsum layers included in analysis.*	Brown/Gray Fibrous Homogeneous	60% Cellulose HA: H37	40% Non-fibrous (Other)	None Detected
37B *142200680-0087*	Loading Dock Area - West - Gypsum Wallboard - Loading Dock Area *Paper and gypsum layers included in analysis.*	Brown/Gray Fibrous Homogeneous	50% Cellulose HA: H37	50% Non-fibrous (Other)	None Detected
37C *142200680-0088*	Loading Dock Area - N. Wall - Gypsum Wallboard - Loading Dock Area *Paper and gypsum layers included in analysis.*	Brown/Gray Fibrous Homogeneous	25% Cellulose HA: H37	75% Non-fibrous (Other)	None Detected
38A *142200680-0089*	See 37A - Joint Compound - Loading Dock Area	White Non-Fibrous Homogeneous	HA: H-38	100% Non-fibrous (Other)	None Detected
38B *142200680-0090*	See 37B - Joint Compound - Loading Dock Area	White Non-Fibrous Homogeneous	HA: H-38	100% Non-fibrous (Other)	None Detected
38C *142200680-0091*	See 37C - Joint Compound - Loading Dock Area	White Non-Fibrous Homogeneous	HA: H-38	100% Non-fibrous (Other)	None Detected
39A ON HOLD *142200680-0092*	See 37A - Composite of H-37 & H-38		HA: H-39		Not Analyzed
39B ON HOLD *142200680-0093*	See 37B - Composite of H-37 & H-38		HA: H-39		Not Analyzed
39C ON HOLD *142200680-0094*	See 37C - Composite of H-37 & H-38		HA: H-39		Not Analyzed
40A *142200680-0095*	1st Floor Hall N. End - Ceiling Skim Coat - White	Gray Non-Fibrous Homogeneous	HA: H-40	100% Non-fibrous (Other)	None Detected

Initial report from: 03/01/2022 18:23:16

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
40B *142200680-0096*	1st Floor Hall Center - Ceiling Skim Coat - White	Gray Non-Fibrous Homogeneous	HA: H-40	100% Non-fibrous (Other)	None Detected
40C *142200680-0097*	1st Floor Hall S. End - Ceiling Skim Coat - White	Gray Non-Fibrous Homogeneous	HA: H-40	100% Non-fibrous (Other)	None Detected
41A *142200680-0098*	1st Fl East Hall - TSI Run 2" O.D. Black	Gray Fibrous Homogeneous	98% Cellulose HA: H-41		2% Chrysotile
41B *142200680-0099*	1st Fl N East Stair - TSI Run 2" O.D. Black		HA: H-41		Positive Stop (Not Analyzed)
41C *142200680-0100*	1st Fl N East Stair - TSI Run 2" O.D. Black		HA: H-41		Positive Stop (Not Analyzed)
43A *142200680-0101*	Women's Rm - Public - Grout/Mortar w/Blue, Red, White Ceramic Floor Tile	Gray Non-Fibrous Homogeneous	HA: H-43	100% Non-fibrous (Other)	None Detected
43B *142200680-0102*	Men's Rm - Public - Grout/Mortar w/Blue, Red, White Ceramic Floor Tile	Gray Non-Fibrous Homogeneous	HA: H-43	100% Non-fibrous (Other)	None Detected
44A *142200680-0103*	See 43A - Grout w/4"x4" Ceramic Wall Tile	White Non-Fibrous Homogeneous	HA: H-44	100% Non-fibrous (Other)	None Detected
44B *142200680-0104*	See 43B - Grout w/4"x4" Ceramic Wall Tile	White Non-Fibrous Homogeneous	HA: H-44	100% Non-fibrous (Other)	None Detected
45A *142200680-0105*	See 43A - Mortar w/4"x4" Ceramic Wall Tile	Gray/White Non-Fibrous Homogeneous	HA: H-45	100% Non-fibrous (Other)	None Detected
45B *142200680-0106*	See 43B - Mortar w/4"x4" Ceramic Wall Tile	Gray/White Non-Fibrous Homogeneous	HA: H-45	100% Non-fibrous (Other)	None Detected
46A *142200680-0107*	Hall @ Wmn's Bath - 3" Covebase - Black No Foot	Black Non-Fibrous Homogeneous	HA: H-46	100% Non-fibrous (Other)	None Detected
46B *142200680-0108*	Hall @ Men's Bath - 3" Covebase - Black No Foot	Black Non-Fibrous Homogeneous	HA: H-46	100% Non-fibrous (Other)	None Detected
47A *142200680-0109*	See 46A - Mastic w/H-46	Brown Fibrous Heterogeneous	HA: H-47	98% Non-fibrous (Other)	2% Chrysotile

Initial report from: 03/01/2022 18:23:16

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Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
47B *142200680-0110*	See 46B - Mastic w/H-46				Positive Stop (Not Analyzed)
			HA: H-47		
48A *142200680-0111*	Art Studio @ Rm A - Gypsum Wallboard - Art Studio	Brown/Gray Fibrous Homogeneous	35% Cellulose 5% Glass	60% Non-fibrous (Other)	None Detected
Paper and gypsum layers included in analysis.					
			HA: H-48		
48B *142200680-0112*	Art Studio @ Wall to Entry - Gypsum Wallboard - Art Studio	Brown/Gray Fibrous Homogeneous	30% Cellulose 5% Glass	65% Non-fibrous (Other)	None Detected
Paper and gypsum layers included in analysis.					
			HA: H-48		
48C *142200680-0113*	Art Studio @ Rm C - Gypsum Wallboard - Art Studio	Brown/Gray Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
Paper and gypsum layers included in analysis.					
			HA: H-48		
49A *142200680-0114*	See 48A - Joint Compound - Art Studio	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-49		
49B *142200680-0115*	See 48B - Joint Compound - Art Studio	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-49		
49C *142200680-0116*	See 48C - Joint Compound - Art Studio	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-49		
50A ON HOLD *142200680-0117*	See 48A - Composite of H-48 & H-49				Not Analyzed
			HA: H-50		
50B ON HOLD *142200680-0118*	See 48B - Composite of H-48 & H-49				Not Analyzed
			HA: H-50		
50C ON HOLD *142200680-0119*	See 48C - Composite of H-48 & H-49				Not Analyzed
			HA: H-50		
51A *142200680-0120*	Art Studio - Ceiling - 2x4 Ceiling Tile - Deep Fissures	Gray/White Fibrous Homogeneous	15% Cellulose 75% Glass	10% Non-fibrous (Other)	None Detected
			HA: H-51		
51B *142200680-0121*	Print Studio - Ceiling - 2x4 Ceiling Tile - Deep Fissures	Gray/White Fibrous Homogeneous	20% Cellulose 70% Glass	10% Non-fibrous (Other)	None Detected
			HA: H-51		
52A *142200680-0122*	Art Studio - SE - 12x12 VFT - White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-52		
52B *142200680-0123*	Art Studio Rm A Center - 12x12 VFT - White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-52		

Initial report from: 03/01/2022 18:23:16

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			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
53A *142200680-0124*	Art Studio - SE - 12x12 VFT - Beige w/White Streaks	Peach Non-Fibrous Homogeneous	HA: H-53	100% Non-fibrous (Other)	None Detected
53B *142200680-0125*	Art Studio - NE - 12x12 VFT - Beige w/White Streaks	Peach Non-Fibrous Homogeneous	HA: H-53	100% Non-fibrous (Other)	None Detected
54A *142200680-0126*	Art Studio Rm C - 12x12 VFT - Blue w/White Streaks	Blue Non-Fibrous Homogeneous	HA: H-54	100% Non-fibrous (Other)	None Detected
54B *142200680-0127*	Art Studio Rm C - 12x12 VFT - Blue w/White Streaks	Blue Non-Fibrous Homogeneous	HA: H-54	100% Non-fibrous (Other)	None Detected
55A *142200680-0128*	Art Studio - NE - 12x12 VFT - Red w/Pink Streaks	Red Non-Fibrous Homogeneous	HA: H-55	100% Non-fibrous (Other)	None Detected
55B *142200680-0129*	Print Studio - Central - 12x12 VFT - Red w/Pink Streaks	Red Non-Fibrous Homogeneous	HA: H-55	100% Non-fibrous (Other)	None Detected
56A *142200680-0130*	Same as 52B - Mastic w/H-52, 53. 54, 55, 60	Black Non-Fibrous Heterogeneous	HA: H-56	100% Non-fibrous (Other)	None Detected
56B *142200680-0131*	Same as 55B - Mastic w/H-52, 53. 54, 55, 60	Black Non-Fibrous Heterogeneous	HA: H-56	100% Non-fibrous (Other)	None Detected
57A-Shingle 1 *142200680-0132*	Art Studio - West - Roofing Shingles	Gray/Black Fibrous Homogeneous	25% Cellulose HA: H-57	75% Non-fibrous (Other)	None Detected
57A-Shingle 2 *142200680-0132A*	Art Studio - West - Roofing Shingles	Black Fibrous Homogeneous	20% Cellulose HA: H-57	80% Non-fibrous (Other)	None Detected
57B-Shingle 1 *142200680-0133*	Art Studio - West - Roofing Shingles	Gray/Black Fibrous Homogeneous	20% Cellulose HA: H-57	80% Non-fibrous (Other)	None Detected
57B-Shingle 2 *142200680-0133A*	Art Studio - West - Roofing Shingles	Black Fibrous Homogeneous	25% Cellulose HA: H-57	75% Non-fibrous (Other)	None Detected
59A *142200680-0134*	Art Studio - Kiln - Pottery Kiln Brick	White Non-Fibrous Homogeneous	HA: H-59	100% Non-fibrous (Other)	None Detected
59B *142200680-0135*	Art Studio - Kiln - Pottery Kiln Brick	White Non-Fibrous Homogeneous	HA: H-59	100% Non-fibrous (Other)	None Detected

Initial report from: 03/01/2022 18:23:16

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			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
60A *142200680-0136*	Print Studio - South - 12x12 VFT - Grey w/White & Dark Grey	Gray Non-Fibrous Homogeneous	HA: H-60	100% Non-fibrous (Other)	None Detected
60B *142200680-0137*	Print Studio - SE - 12x12 VFT - Grey w/White & Dark Grey	Gray Non-Fibrous Homogeneous	HA: H-60	100% Non-fibrous (Other)	None Detected
61A *142200680-0138*	1st Fl. Print Studio @ Sink - Sink Under Coat - Grey	Gray Non-Fibrous Homogeneous	HA: H-61	100% Non-fibrous (Other)	None Detected
61B *142200680-0139*	1st Fl. Print Studio @ Sink - Sink Under Coat - Grey	Gray Non-Fibrous Homogeneous	HA: H-61	100% Non-fibrous (Other)	None Detected
62A *142200680-0140*	1st Fl. SW Entry Floor - Carpet Mastic w/Black Carpet	Gray Fibrous Homogeneous	15% Cellulose HA: H-62	85% Non-fibrous (Other)	None Detected
62B *142200680-0141*	See 62A - Carpet Mastic w/Black Carpet	Gray Fibrous Homogeneous	15% Cellulose HA: H-62	85% Non-fibrous (Other)	None Detected
63A *142200680-0142*	Dressing Rm 05 - 9x9 VFT - Brown w/Dark Brown	Brown Fibrous Homogeneous	HA: H-63	96% Non-fibrous (Other)	4% Chrysotile
63B *142200680-0143*	Dressing Rm 07 - 9x9 VFT - Brown w/Dark Brown		HA: H-63		Positive Stop (Not Analyzed)
64A *142200680-0144*	Same as 63A - Mastic w/H-63	Black Fibrous Heterogeneous	10% Cellulose HA: H-64	88% Non-fibrous (Other)	2% Chrysotile
64B *142200680-0145*	Same as 63B - Mastic w/H-63		HA: H-64		Positive Stop (Not Analyzed)
65A *142200680-0146*	Dressing Rm 10 - Mastic w/Dark Blue Carpet	Yellow Fibrous Homogeneous	5% Cellulose HA: H-65	95% Non-fibrous (Other)	None Detected
65B *142200680-0147*	Dressing Rm 04 - Mastic w/Dark Blue Carpet	Yellow Fibrous Homogeneous	5% Cellulose HA: H-65	95% Non-fibrous (Other)	None Detected
66A *142200680-0148*	Dressing Rm 10 - 12x12 VFT - White w/Black Dots	White Non-Fibrous Homogeneous	HA: H-66	100% Non-fibrous (Other)	None Detected
66B *142200680-0149*	Dressing Rm 04 - 12x12 VFT - White w/Black Dots	White Non-Fibrous Homogeneous	HA: H-66	100% Non-fibrous (Other)	None Detected
67A *142200680-0150*	Same as 66A - 12x12 VFT - Black w/ White Dots	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
			HA: H-67		
67B *142200680-0151*	Same as 66B - 12x12 VFT - Black w/ White Dots	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-67		
68A *142200680-0152*	Same as 66A - Mastic w/H-67	Yellow/Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-68		
68B *142200680-0153*	Same as 66B - Mastic w/H-67	Black Fibrous Heterogeneous	50% Cellulose	50% Non-fibrous (Other)	None Detected
			HA: H-68		
69A *142200680-0154*	Dressing Rm 09 - Grout w/4"x4" Ceramic Wall Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-69		
69B *142200680-0155*	Dressing Rm 10 - Grout w/4"x4" Ceramic Wall Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-69		
70A *142200680-0156*	Same as 69A - Mortar w/4"x4" Ceramic Wall Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-70		
70B *142200680-0157*	Same as 69B - Mortar w/4"x4" Ceramic Wall Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-70		
71A *142200680-0158*	Same as 69A - Grout w/Ceramic Floor Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-71		
71B *142200680-0159*	Same as 69B - Grout w/Ceramic Floor Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-71		
72A *142200680-0160*	Same as 69A - Mortar w/Ceramic Floor Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-72		
72B *142200680-0161*	Same as 69B - Mortar w/Ceramic Floor Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-72		
73A *142200680-0162*	Stage Bathroom Floor - RSF - Yellow & Grey	Gray/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-73		
73B *142200680-0163*	See 73A - RSF - Yellow & Grey	Gray/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-73		
74A *142200680-0164*	Stage @ North Curtain - Stage Curtain - Red	Red Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	None Detected
			HA: H-74		

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			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
74B *142200680-0165*	Stage @ South Curtain - Stage Curtain - Red	Red Fibrous Homogeneous	99% Cellulose HA: H-74	1% Non-fibrous (Other)	None Detected
75A *142200680-0166*	Stage @ North Curtain - Stage Curtain - Black	Black Fibrous Homogeneous	99% Cellulose HA: H-75	1% Non-fibrous (Other)	None Detected
75B *142200680-0167*	Stage @ South Curtain - Stage Curtain - Black	Black Fibrous Homogeneous	99% Cellulose HA: H-75	1% Non-fibrous (Other)	None Detected
76A *142200680-0168*	Stage - North End - Gym Floor Underlayment	Brown/Gray Fibrous Homogeneous	55% Cellulose 35% Synthetic HA: H-76	10% Non-fibrous (Other)	None Detected
76B *142200680-0169*	See 76A - Gym Floor Underlayment	Brown/Gray Fibrous Homogeneous	55% Cellulose 35% Synthetic HA: H-76	10% Non-fibrous (Other)	None Detected
77A *142200680-0170*	Lobby N Side @ Door - Plaster w/Metal Lathe	Brown/Gray Non-Fibrous Homogeneous	HA: H-77	100% Non-fibrous (Other)	None Detected
77B *142200680-0171*	Lobby E Side @ Door - Plaster w/Metal Lathe	Brown/Gray Non-Fibrous Homogeneous	HA: H-77	100% Non-fibrous (Other)	None Detected
77C *142200680-0172*	Lobby S Side @ Door - Plaster w/Metal Lathe	Gray Non-Fibrous Homogeneous	HA: H-77	100% Non-fibrous (Other)	None Detected
78A *142200680-0173*	w/77A - Textured Skim Coat w/H-77	Gray Non-Fibrous Homogeneous	HA: H-78	100% Non-fibrous (Other)	None Detected
78B *142200680-0174*	w/77B - Textured Skim Coat w/H-77	Gray Non-Fibrous Homogeneous	HA: H-78	100% Non-fibrous (Other)	None Detected
78C *142200680-0175*	w/77C - Textured Skim Coat w/H-77	Gray Non-Fibrous Homogeneous	HA: H-78	100% Non-fibrous (Other)	None Detected
79A *142200680-0176*	Lobby S - Chorazo Flooring	Gray/Black Non-Fibrous Homogeneous	HA: H-79	100% Non-fibrous (Other)	None Detected
79B *142200680-0177*	Lobby N - Chorazo Flooring	Gray/White Non-Fibrous Homogeneous	HA: H-79	100% Non-fibrous (Other)	None Detected
80A *142200680-0178*	Lobby West Bathroom - 12x12 VFT - Brown w/White & Dark Grey Streaks	Gray Non-Fibrous Homogeneous	HA: H-80	100% Non-fibrous (Other)	None Detected

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			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
80B *142200680-0179*	Lobby East Bathroom - 12x12 VFT - Brown w/White & Dark Grey Streaks	Gray Non-Fibrous Homogeneous	HA: H-80	100% Non-fibrous (Other)	None Detected
81A *142200680-0180*	w/80A - Matic w/H-80	Yellow Fibrous Homogeneous	2% Cellulose HA: H-81	98% Non-fibrous (Other)	None Detected
81B *142200680-0181*	w/80B - Matic w/H-80	Yellow Non-Fibrous Homogeneous	HA: H-81	100% Non-fibrous (Other)	None Detected
82A *142200680-0182*	Lobby East Bath - 2x4 Ceiling Tile - Sm. Pinholes & Fissures	Gray/White Fibrous Homogeneous	30% Cellulose 40% Glass HA: H-82	30% Non-fibrous (Other)	None Detected
82B *142200680-0183*	Lobby West Bath - 2x4 Ceiling Tile - Sm. Pinholes & Fissures	Gray/White Fibrous Homogeneous	30% Cellulose 40% Glass HA: H-82	30% Non-fibrous (Other)	None Detected
83A *142200680-0184*	Lobby East Bath - Grout w/4"x4" Ceramic Wall Tile	White Non-Fibrous Homogeneous	HA: H-83	100% Non-fibrous (Other)	None Detected
83B *142200680-0185*	Lobby West Bath - Grout w/4"x4" Ceramic Wall Tile	White Non-Fibrous Homogeneous	HA: H-83	100% Non-fibrous (Other)	None Detected
84A *142200680-0186*	w/83A - Mortar w/4"x4" Ceramic Wall Tile	White Non-Fibrous Homogeneous	HA: H-84	100% Non-fibrous (Other)	None Detected
84B *142200680-0187*	w/83B - Mortar w/4"x4" Ceramic Wall Tile	White Non-Fibrous Homogeneous	HA: H-84	100% Non-fibrous (Other)	None Detected
85A *142200680-0188*	3rd Fl West Balcony N Side - Interior Window Caulk w/Single Pane Windows - Brown	Brown Non-Fibrous Homogeneous	HA: H-85	100% Non-fibrous (Other)	None Detected
85B *142200680-0189*	3rd Fl West Balcony S Side - Interior Window Caulk w/Single Pane Windows - Brown	Brown Non-Fibrous Homogeneous	HA: H-85	100% Non-fibrous (Other)	None Detected
86A *142200680-0190* *Paper and gypsum layers included in analysis.*	3rd Fl - South Hall - Gypsum - Wallboard - 3rd Fl Office	Brown/Gray Fibrous Homogeneous	25% Cellulose HA: H-86	75% Non-fibrous (Other)	None Detected
86B *142200680-0191* *Paper and gypsum layers included in analysis.*	3rd Fl - South Side Office Wall - Gypsum - Wallboard - 3rd Fl Office	Brown/Gray Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
			HA: H-86		
86C *142200680-0192*	3rd Fl - South Office NW Corner - Gypsum - Wallboard - 3rd Fl Office	Brown/Gray Fibrous Homogeneous	25% Cellulose 5% Glass	70% Non-fibrous (Other)	None Detected
Paper and gypsum layers included in analysis.			HA: H-86		
87A *142200680-0193*	w/86A - Joint Compound - 3rd Fl Office	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-87		
87B *142200680-0194*	w/86B - Joint Compound - 3rd Fl Office	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-87		
87C *142200680-0195*	w/86C - Joint Compound - 3rd Fl Office	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-87		
88A ON HOLD *142200680-0196*	w/86A - Composite of H-86 & H-87				Not Analyzed
			HA: H-88		
88B ON HOLD *142200680-0197*	w/86B - Composite of H-86 & H-87				Not Analyzed
			HA: H-88		
88C ON HOLD *142200680-0198*	w/86C - Composite of H-86 & H-87				Not Analyzed
			HA: H-88		
89A *142200680-0199*	3rd Fl East Corner - - 1'x1' Ceiling Tile - Pinholes	Brown/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
			HA: H-89		
89B *142200680-0200*	3rd Fl SW Corner - - 1'x1' Ceiling Tile - Pinholes	Brown/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
			HA: H-89		
90A *142200680-0201*	Ext. NW Entry - Ext. Door Caulk - White	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: H-90		
90B *142200680-0202*	Ext. N Center @ Loading Door - Ext. Door Caulk - White	Gray Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
			HA: H-90		
91A *142200680-0203*	Ext. NW Window - Ext. Stone Windowsill Caulking - White	Gray Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
			HA: H-91		
91B *142200680-0204*	Ext. N. Center Window - Ext. Stone Windowsill Caulking - White				Positive Stop (Not Analyzed)
			HA: H-91		

Initial report from: 03/01/2022 18:23:16

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490 Rowley Road Depew, NY 14043
Tel/Fax: (716) 651-0030 / (716) 651-0394
http://www.EMSL.com / buffalolab@emsl.com

EMSL Order: 142200680
Customer ID: ATCE53
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
92A *142200680-0205*	See 91A - Ext. Window Caulk w/Double Pane Windows - Brown	Brown Non-Fibrous Homogeneous	HA: H-92	100% Non-fibrous (Other)	None Detected
92B *142200680-0206*	See 91B - Ext. Window Caulk w/Double Pane Windows - Brown	Brown Non-Fibrous Homogeneous	HA: H-92	100% Non-fibrous (Other)	None Detected
93A *142200680-0207*	Ext. North Side - Ext. Caulk w/Round Ducts - Brown	Brown Non-Fibrous Homogeneous	HA: H-93	100% Non-fibrous (Other)	None Detected
93B *142200680-0208*	Ext. North Side - Ext. Caulk w/Round Ducts - Brown	Brown Non-Fibrous Homogeneous	HA: H-93	100% Non-fibrous (Other)	None Detected
94A *142200680-0209*	Ext. East Side - Ext. Window Caulk w/Single Pane Windows - Grey	Gray Fibrous Homogeneous	HA: H-94	92% Non-fibrous (Other)	8% Chrysotile
94B *142200680-0210*	Ext. East Side - Ext. Window Caulk w/Single Pane Windows - Grey		HA: H-94		Positive Stop (Not Analyzed)
95A *142200680-0211*	Ext. Main Lobby Doors - Ext. Door Caulk w/Main Entry Doors - Grey	Gray Fibrous Homogeneous	HA: H-95	90% Non-fibrous (Other)	10% Chrysotile
95B *142200680-0212*	Ext. Main Lobby Doors - Ext. Door Caulk w/Main Entry Doors - Grey		HA: H-95		Positive Stop (Not Analyzed)
96A *142200680-0213*	Exterior East Side - Ext. Caulk w/Foundation Stone - Grey	Gray Fibrous Homogeneous	HA: H-96	90% Non-fibrous (Other)	10% Chrysotile
96B *142200680-0214*	Exterior East Side - Ext. Caulk w/Foundation Stone - Grey		HA: H-96		Positive Stop (Not Analyzed)
97A *142200680-0215*	Exterior West Side - Ext. Caulk w/Basement Windows - Grey	White Non-Fibrous Homogeneous	HA: H-97	100% Non-fibrous (Other)	None Detected
97B *142200680-0216*	Exterior West Side - Ext. Caulk w/Basement Windows - Grey	White Non-Fibrous Homogeneous	HA: H-97	100% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
98A *142200680-0217*	Balcony - SE - Plaster w/3rd Floor Balcony	Tan/White Non-Fibrous Homogeneous	HA: H-98	100% Non-fibrous (Other)	None Detected
98B *142200680-0218*	Balcony - NE - Plaster w/3rd Floor Balcony	Tan/White Non-Fibrous Homogeneous	HA: H-98	100% Non-fibrous (Other)	None Detected
99A *142200680-0219*	Loading Dock Area @ Sink Area - RSF - Gray	Gray Fibrous Homogeneous	45% Synthetic 35% Glass HA: H-99	20% Non-fibrous (Other)	None Detected
99B *142200680-0220*	Loading Dock Area @ Sink Area - RSF - Gray	Gray Fibrous Homogeneous	45% Synthetic 35% Glass HA: H-99	20% Non-fibrous (Other)	None Detected
100A *142200680-0221*	Exterior East Side - Ext. Window Glazing w/Single Pane Windows	Pink Non-Fibrous Homogeneous	HA: H-100	100% Non-fibrous (Other)	None Detected
100B *142200680-0222*	Exterior East Side - Ext. Window Glazing w/Single Pane Windows	Red/Pink Non-Fibrous Homogeneous	HA: H-100	100% Non-fibrous (Other)	None Detected
98C *142200680-0223*	Above Stage - Plaster w/3rd Floor Balcony	Peach Non-Fibrous Homogeneous	HA: H-98	100% Non-fibrous (Other)	None Detected

Analyst(s)
Kelly Gallisdorfer (74)
Shauna LaValley (123)

Rhonda McGee, Laboratory Manager
or Other Approved Signatory

Initial report from: 03/01/2022 18:23:16

OrderID: 142200680

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14220068 0

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Williston, VT 05495
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BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

☑ Vermont (PLM -EPA 600/R-93/116) ☐ New Hampshire (PLM -EPA 600/R-93/116) ☐ NY State Code Rule 56 for Asbestos

PROJECT INFORMATION

Client:	Project Name:	Project #:	Project Manager:
Engineering Ventures	Memorial Auditorium Inspection	28OBSC2380	R. Montgomery
Date Collected:	**Project Address:**	**Building Name:**	**Inspectors:**
2.22.22	250 Main Street Burlington, VT	Memorial Auditorium	N. Amato & J. Adams

Turnaround time: ☐ 3 HR ☐ 6 HR ☐ 24 HR ☐ 36 HR ☐ 48 HR ☐ 72 HR ☑ 1 Week ☐ Other:_____

Sampling area: Throughout

☑ Analyze until 1st positive in each H group.

☐ Hold samples marked with *, unless H/s_____ homogenous area samples are found to contain asbestos, then analyze all the * samples in that H group via 400 Pt Count

BULK SAMPLE LOCATION

Email results to: Nathan.amato@oneatlas.com Fax results to: _____

Homogenous Area No.	Bulk Sample ID No.	Material Description	Room/ Floor	Sample Location	S/TSI/M
H-01	1A	Concrete Foundation		Boiler Rm	
↓	1B	↓		Coal Rm	
H-02	2A	Mortar W/ Brick		Hall to Boiler Rm	
↓	2B	↓		Coal Room	
H-03	3A	MJP 10" O.D.		Boiler Rm Cntr	
↓	3B	↓		Boiler Rm N	
↓	3C	↓		Boiler Rm S	
H-04	4A	MJP 8" O.D.		Boiler Rm Cntr	
↓	4B	↓		Boiler Rm N	
↓	4C	↓		Boiler Rm S	
H-05	5A	MJP 6" O.D.		Boiler Rm C	
↓	5B	↓		Boiler Rm N	
↓	5C	↓		Boiler Rm S	
H-06	6A	MJP 4" O.D.		Boiler Rm C	

CHAIN OF CUSTODY

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	2/22/22	1530			

RECEIVED FEB 24 2022 BY: _____ 12:30pm Fedex

Notes for laboratory:	Laboratory space or comments:
Automatically analyze all VT and NH samples found to contain <1% asbestos by PLM via 400 Pt Count.	* Hold composites until further instructions

Page 1 of 10

Total # of Samples submitted: 222

142200680

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Project #: 28CBSC2380 Name: Memorial Auditorium LASP

Homogenous Area No.	Bulk Sample ID No.	Material Description	Room/ Floor	Sample Location	S/TSI/M
H-06	6B	MJP 4" O.D.		Boiler RM N	
↓	6C	↓		Blr. Rm S	
H-07	7A	TSI Run - Air cell		Boiler Rm NW corner	
↓	7B	↓		Boiler Room W	
↓	7C	↓		Boiler Room SW	
H-08	8A	Boiler Panel Sealant - White		N. Boiler	
↓	8B	↓		S. Boiler	
H-09	9A	Boiler Internal Insulation		N Boiler	
↓	9B	↓		N. Boiler	
↓	9C	↓		S. Boiler	
H-10	10A	Boiler Hatch Insulation		N. Boiler S. Hatch	
↓	10B	↓		N. Boiler N. Hatch	
↓	10C	↓		S. Boiler N. Hatch	
H-11	11A	Boiler HVAC Paint - Black		Duct N of Boiler	
↓	11B	↓		Duct N. of Boiler	
H-12	12A	Boiler Gasket		N Boiler	
↓	12B	↓		S Boiler	
H-13	13A	Interior Basement Window Glazing - Grey		N. window, Basement	
↓	13B	↓		N. Window, S. Side	
H-14	14A	Interior Basement Window ~~Caulking~~ Mortar - Dark Grey		2nd window from N.	
↓	14B	↓		2nd window from N.	
H-15	15A	Fire Caulk - Red		Coal Room	
↓	15B	↓		Coal Room	
H-16	16A	Concrete plaster w/ Metal Lathe		Boiler Rm - center ceiling	
↓	16B	↓		Boiler Rm - S. ceiling	

OrderID: 142200680

142200680

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Project #: 280BS02380 Name: Memorial Auditorium Insp. Page 3 of 10

Homogenous Area No.	Bulk Sample ID No.	Material Description	Room/ Floor	Sample Location	S/TSI/M
H-16	16C	Concrete Plaster W/ Metal Lathe		Boiler Rm/Coal Rm - Center Ceiling	
H-17	17A	Conduit Penetration Sealant - grey		Boiler Rm - North	
↓	17B	↓		Coal Rm - North	
H-18	18A	Insulated ~~w/ metal~~ Wire w/old Lighting Fixtures		Coal Rm - East Wall	
↓	18B	↓		See 18A	
H-19	19A	Interior Window caulk W/ Double pane Windows - Brown		Kitchen west	
↓	19B	↓		N stair E wdw	
H-20	20A	Interior Door Caulk - Brown		NW Ext. door, 1st Fl, W. side	
↓	20B	↓		NW Ext. door, 1st Fl., E. side	
H-21	21A	Interior Door caulk - White		door to Kitchen, W. side	
↓	21B	↓		door to kitchen, E. side	
H-22	22A	TSI Run 4" - Fiberglass W/ Black paper		Kitchen west	
	22B				
↓	22C	↓		↓	
H-23	23A	Paper Barrier under Stage floor		AD - Stage	
↓	23B	↓		AD - Stage	
H-24	24A	TSI Aircell 3" Run		Kitchen west	
	24B				
↓	24C	↓			
H-25	25A	TSI 3" O.D. MJP			
	25B				
↓	25C	↓		↓	
H-26	26A	Flooring leveler - Red		Kitchen center	
	26B			Stair landing @ gym	
↓	26C	↓		Stair landing top floor	

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Project #: 28BS02380 Name: Memorial Auditorium Insp.

Homogenous Area No.	Bulk Sample ID No.	Material Description	Room/ Floor	Sample Location	S/TSI/M
H-27	27A	12x12 VFT - Grey		Loading Dock NW	
↓	27B	↓		Loading Dock Central	
H-28	28A	Mastic W/ H-27 - yellow		Same as 27A	
↓	28B	↓		Same as 27B	
H-29	29A	9x9 VFT Brown & White		Same as 27A	
↓	29B	↓		Same as 27B	
H-30	30A	Mastic W/ H-29 - Black		Same as 27A	
↓	30B	↓		Same as 27B	
H-31	31A	12x12 VFT - Green		Loading Dock Central	
↓	31B	↓		↓	
H-32	32A	Mastic W/ H-31 Black		Loading Dock Central	
↓	32B	↓		↓	
H-33	33A	floor leveling compound - white		Loading Dock Area @ column	
↓	33B	↓		see 33A	
↓	33C	↓		see 33A	
H-34	34A	4" cove base - Black		Loading Dock NW	
↓	34B	↓		Loading Dock South	
H-35	35A	Mastic W/ H-34		Same as 34A	
↓	35B	↓		Same as 34B	
H-36	36A	Sink undercoat - White		Loading Dock Area @ sink	
↓	36B	↓		See 36A	
H-37	37A	Gypsum wallboard - Loading Dock Area		Loading Dock Area - SE Storage	
↓	37B	↓		Loading Dock Area - West	
↓	37C	↓		Loading Dock Area - N. wall	
H-38	38A	Joint Compound - Loading Dock Area		See 37A	

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Project #: 2008502380 Name: Memorial Auditorium Insp.

	Homogenous Area No.	Bulk Sample ID No.	Material Description	Room/ Floor	Sample Location	S/TSI/M
	H-38	38B	~~Composite of~~ Joint Compound - Loading Dock Area		See 37B	
	↓	38C			See 37C	
*	H-39	39A	Composite of H-37 & H-38		See 37A	
*	↓	39B	↓		See 37B	
*	↓	39C	↓		See 37C	
	H-40	40A	Ceiling Skim coat - White		1st Flr Hall New	
	↓	40B	↓		↓ Center	
	↓	40C	↓		↓ Seam	
	H-41	41A	TSI Run 2" O.D. - Black		1st Fl East hall	
	↓	41B	↓		1st Fl NEast stair	
	↓	41C	↓		1st Fl NEast Stair	
	~~H-42~~	42A	TSI MJP 2" ~~O.D.~~ Black		VOID	
	↓	42B	↓			
	↓	42C	↓			
	H-43	43A	Grout / Mortar W/ Blue, Red, White ceramic floor tile		Women's Rm - Public	
	↓	43B	↓		Mens' Rm - Public	
	H-44	44A	Grout W/ 4" x4" ceramic Wall tile		See ~~43A~~ 43A	
	↓	44B	↓		See 43B	
	H-45	45A	Mortar W/ 4" x4" ceramic Wall tile		See 43A	
	↓	45B	↓		See 43B	
	H-46	46A	3" cove base - Black, No feet		Hall @ womns' bath	
	↓	46B	↓		Hall @ mens' bath	
	H-47	47A	Mastic W/ H-46		See 46A	
	↓	47B	↓		See 46B	
	H-48	48A	Gypsum Wallboard - Art Studio		Art Studio @ Rm A	

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Project #: 280B02350 Name: Memorial Auditorium Insp.

	Homogenous Area No.	Bulk Sample ID No.	Material Description	Room/ Floor	Sample Location	S/TSI/M
	H-48	48B	Gypsum Wallboard - Art Studio		Art studio @ Wall to Entry	
	↓	48C	↓		Art studio @ Rm C	
	H-49	49A	Joint Compound - Art Studio		See 48A	
	↓	49B	↓		See 49B	
	↓	49C	↓		See 48C	
*	H-50	50A	Composite of H-48 & H-49		See 48A	
*	↓	50B	↓		See 49B	
*	↓	50C	↓		See 48C	
	H-51	51A	2x4 Ceiling tile - Deep Fissures		** Art Studio - ceiling	
	↓	51B	↓		Print Studio - Ceiling	
	H-52	52A	12x12 VFT - White		Art Studio SE	
	↓	52B	↓		Art Studio Rm A Center	
	H-53	53A	12x12 VFT - Beige w/ White Streaks		Art Studio SE	
	↓	53B	↓		Art Studio NE	
	H-54	54A	12x12 VFT - Blue w/ White Streaks		Art Studio Rm C	
	↓	54B	↓		↓	
	H-55	55A	12x12 VFT - Red w/ Pink Streaks		Art Studio NE	
	↓	55B	↓		Print Studio Central	
	H-56	56A	Mastic w/ H-52, 53, 54, 55, 60		Same as 52 B	
	↓	56B	↓		Same as 55B	
	H-57	57A	Roofing Shingles		Art Studio west	
	↓	57B	↓		↓	
	H-58	58A	Pottery Kiln Insulation		VOID	
	↓	58B	↓			
	↓	58C	↓			

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Project #: 280B02380 Name: Memorial Auditorium Insp.

Homogenous Area No.	Bulk Sample ID No.	Material Description	Room/ Floor	Sample Location	S/TSI/M
H-59	59A	Pottery Kiln Brick		Art Studio Kiln	
↓	59B	↓		↓	
H-60	60A	12x12 VFT - Grey w/ White + Dark Grey		Print Studio South	
↓	60B	↓		Print Studio SE	
H-61	61A	Sink Undercoat - Grey		1st fl. Print Studio @ Sink	
↓	61B	↓		~~1st fl. Loading Dock Area @ Sink~~ see 61A	
H-62	62A	Carpet Mastic w/ Black Carpet		1st fl. SW Entry Floor	
↓	62B	↓		See 62A	
H-63	63A	9x9 VFT - Brown w/ Dark Brown		Dressing Rm 05	
↓	63B	↓		Dressing Rm 07	
H-64	64A	Mastic w/ H-63		Same as 63A	
↓	64B	↓		↓ 63B	
H-65	65A	Mastic w/ Dark Blue Carpet		Dressing Rm 10	
↓	65B	↓		Dressing Rm 04	
H-66	66A	12x12 VFT - White w/ Black Dots		Dressing Rm 10	
↓	66B	↓		Dressing Rm 04	
H-67	67A	12x12 VFT - Black w/ White Dots		Same as 66A	
↓	67B	↓		Same as 66B	
H-68	68A	Mastic w/ H-67		Same as 66A	
↓	68B	↓		Same as 66B	
H-69	69A	Grout w/ 4" x4" Ceramic Wall Tile		Dressing Rm 09	
↓	69B	↓		Dressing Rm 10	
H-70	70A	Mortar w/ 4" x4" Ceramic Wall tile		Same as 69A	
↓	70B	↓		Same as 69B	
H-71	71A	Grout w/ Ceramic Floor tile		Same as 69A	

OrderID: 142200680

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Page 8 of 10

Project #: 28OBS02380 Name: Memorial Auditorium Insp

Homogenous Area No.	Bulk Sample ID No.	Material Description	Room/ Floor	Sample Location	S/TSI/M
H-71	71B	Grout W/ ceramic Floor tile		Same as 69 B	
H-72	72A	Mortar W/ ceramic Floortile		Same as 64 A	
↓	72B	↓		Same as 69B	
H-73	73A	RSF - yellow & Grey		Stage Bathroom floor	
↓	73B	↓		See 73A	
H-74	74A	Stage Curtain - Red		Stage @ North curtain	
↓	74B	↓		Stage @ South Curtain	
H-75	75A	Stage Curtain - Black		Stage @ North Curtain	
↓	75B	↓		Stage @ South curtain	
H-76	76A	Gym Floor Underlayment		Stage - North End	
↓	76B	↓		See 76A	
H-77	77A	Plaster W/ Metal Lathe		Lobby N side @ door	
	77B			Lobby E side @ door	
↓	77C	↓		Lobb S Side @ door	
H-78	78A	Textured Skim Coat W/ H-77		w/ 77A	
	78B			w/ 77B	
↓	78C	↓		w/ 77C	
H-79	79A	Chorazo Flooring		Lobby S	
↓	79B	↓		Lobby N	
H-80	80A	12X12 VFT - Brown W/ White & Dark Grey Streaks		Lobby West Bathroom	
↓	80B	↓		Lobby East Bathroom	
H-81	81A	Mastic W/ H-80		w/ 80A	
↓	81B	↓		w/ 80B	
H-82	82A	2x4 Ceiling tile - Sm. pinholes & Fissures		Lobby East Bath	
↓	82B	↓		Lobby West Bath	

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Page 9 of 10

Project #: 28085023B0 Name: Memorial Auditorium Insp.

Homogenous Area No.	Bulk Sample ID No.	Material Description	Room/ Floor	Sample Location	S/TSI/M
H-83	83A	Grout w/ 4"x4" ceramic wall tile		Lobby East Bath	
↓	83B	↓		Lobby West Bath	
H-84	84A	Mortar w/ 4"x4" ceramic Wallfile		w/83A	
↓	84B	↓		w/83B	
H-85	85A	Interior Window Caulk w/ Single pane Windows - Brown		3rd Floor East Balcony North	
↓	85B	↓		3rd Fl East Balcony South	
H-86	86A	Gypsum Wallboard - 3rd fl. offices		3rd Fl - South hall	
↓	86B	↓		- Suite S/E office wall	
↓	86C	↓		- South Office NW corner	
H-87	87A	Joint compound - 3rd fl. offices		- w/86A	
↓	87B	↓		- w/86B	
↓	87C	↓		- w/86C	
* H-88	88A	composite of H-86 + H-87		- w/86A	
* ↓	88B	↓		- w/86B	
* ↓	88C	↓		↓ - w/86C	
H-89	89A	~~Mortar w/~~ (NW) 1'x1' ceiling tile - pinholes		3rd Fl East Corridor - Near	
↓	89B	↓		3rd Fl SW Corridor Balcony	
H-90	90A	Ext. Door Caulk - White		Ext. NW Entry	
↓	90B	↓		Ext. N center @ Loading Dock Door	
H-91	91A	Ext. Stone Window Sill Caulking - White		Ext. NW Window	
↓	91B	↓		Ext. N. center window	
H-92	92A	Ext. Window Caulk w/ Double pane Windows - Brown		See 91A	
↓	92B	↓		See 91B	
H-93	93A	Ext. Caulk w/ Round Ducts - Brown		Ext. North side	
↓	93B	↓		↓	

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Project #: 28B502380 Name: Memorial Auditorium Insp. Page 10 of 10

Homogenous Area No.	Bulk Sample ID No.	Material Description	Room/ Floor	Sample Location	S/TSI/M
H-94	94A	Ext. Window Caulk W/ Single Pane Windows - ~~Brown~~ Gray		Ext. East side	
↓	94B	↓		↓	
H-95	95A	Ext. Door Caulk W/ Main entry Doors - Grey		Ext. Main lobby doors	
↓	95B	↓		↓	
H-96	96A	Ext. Caulk W/ Foundation Stone - Grey		Exterior East side	
↓	96B	↓		↓	
H-97	97A	Ext. Window Caulk W/ Basement Windows - Grey		Exterior West side	
↓	97B	↓		↓	
H-98	98A	Plaster W/ 3rd floor Balcony		Balcony - SE	
↓	98B	↓		Balcony - NE	
↓	98C	↓		Above Stage	
H-99	99A	RSF - Gray		Loading Dock Area @ Sink Area	
↓	99B	↓		See 99A	
H-100	100A	Ext. Window glazing W/ Single pane windows		Exterior East side	
↓	100B	↓		↓	

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490 Rowley Road Depew, NY 14043
Tel/Fax: (716) 651-0030 / (716) 651-0394
http://www.EMSL.com / buffalolab@emsl.com

EMSL Order: 142200842
Customer ID: ATCE53
Customer PO:
Project ID:

Attention: Nathan Amato
Atlas Technical
51 Knight Lane
Williston, VT 05495

Phone: (802) 862-1980
Fax: (802) 862-1405
Received Date: 03/10/2022 12:46 PM
Analysis Date: 03/14/2022
Collected Date: 03/09/2022

Project: 280BS02380 / Memorial Auditorium / Kitchen & Stair Towers

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
26D *142200842-0001*	NW Stairwell 2nd Flr - Stair Tower Leveler - Red	Red Fibrous Homogeneous	10% Cellulose HA: H-26	90% Non-fibrous (Other)	None Detected
26E *142200842-0002*	SW Stairwell 3rd Flr - Stair Tower Leveler - Red	Red Fibrous Homogeneous	10% Cellulose HA: H-26	90% Non-fibrous (Other)	None Detected
26F *142200842-0003*	NE Stairwell 4th Flr - Stair Tower Leveler - Red	Red Fibrous Homogeneous	8% Cellulose HA: H-26	92% Non-fibrous (Other)	None Detected
101A *142200842-0004*	Kitchen - N. Center - Kitchen Floor Leveler - Black	Red/Black Fibrous Homogeneous	 HA: H-101	95% Non-fibrous (Other)	5% Chrysotile
101B *142200842-0005*	Kitchen - N.W. - Kitchen Floor Leveler - Black		 HA: H-101		Positive Stop (Not Analyzed)
101C *142200842-0006*	Kitchen - N.E. - Kitchen Floor Leveler - Black		 HA: H-101		Positive Stop (Not Analyzed)
102A *142200842-0007*	Kitchen - N. Center - Kitchen Floor Leveler - Grey	Gray/Red Non-Fibrous Homogeneous	 HA: H-102	100% Non-fibrous (Other)	None Detected
102B *142200842-0008*	See 102A - Kitchen Floor Leveler - Grey	Gray/Red Non-Fibrous Homogeneous	 HA: H-102	100% Non-fibrous (Other)	None Detected
102C *142200842-0009*	See 102A - Kitchen Floor Leveler - Grey	Gray/Red Non-Fibrous Homogeneous	 HA: H-102	100% Non-fibrous (Other)	None Detected

Initial report from: 03/14/2022 11:15:06

EMSL Analytical, Inc.
490 Rowley Road Depew, NY 14043
Tel/Fax: (716) 651-0030 / (716) 651-0394
http://www.EMSL.com / buffalolab@emsl.com

EMSL Order:	142200842
Customer ID:	ATCE53
Customer PO:	
Project ID:	

Analyst(s)
Kelly Gallisdorfer (2)
Shauna LaValley (5)

Rhonda McGee, Laboratory Manager
or Other Approved Signatory

Initial report from: 03/14/2022 11:15:06

OrderID: 142200842

ATLAS

51 Knight Lane
Williston, VT 05495
(802) 862-1980 | oneatlas.com

142200842

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

☑ Vermont (PLM -EPA 600/R-93/116) ☐ New Hampshire (PLM -EPA 600/R-93/116) ☐ NY State Code Rule 56 for Asbestos

PROJECT INFORMATION

Client:	Project Name:	Project #:	Project Manager:
Engineering Ventures	Memorial Auditorium	28BSO2380	R. Montgomery
Date Collected:	**Project Address:**	**Building Name:**	**Inspectors:**
3.9.22		Memorial Auditorium	N. Amato & J. Adams

Turnaround time: ☐ 3 HR ☐ 6 HR ☐ 24 HR ☑ 48 HR ☐ 72 HR ☐ 1 Week ☐ 36 HR ☐ Other:_____

Sampling area: Kitchen & Stair Towers

☑ Analyze until 1st positive in each H group.

☐ Hold samples marked with *, unless H/s_____ homogenous area samples are found to contain asbestos, then analyze all the * samples in that H group via 400 Pt Count

BULK SAMPLE LOCATION

Email results to: nathan.amato@oneatlas.com Fax results to:_____

Homogenous Area No.	Bulk Sample ID No.	Material Description	Room/ Floor	Sample Location	S/TSI/M
H-26	26 D	Stair tower leveler		NW Stairwell 2nd Flr	
↓	26 E	-Red		SW Stairwell 3rd Flr	
↓	26 F	↓		NE Stairwell 4th Flr	
H-101	101 A	Kitchen floor leveler -Black		Kitchen - N. center	
↓	101 B	↓		Kitchen - N.W	
↓	101 C	↓		Kitchen - N.E.	
H-102	102A	Kitchen floor leveler -Grey		Kitchen - N. center	
↓	102B	↓		See 102A	
↓	102 C	↓		See 102A	

RECEIVED
MAR 10 2022
BY: _____ 12:46 pm Fedex

CHAIN OF CUSTODY

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	3.9.22	1500			

Notes for laboratory:	Laboratory space or comments:
Automatically analyze all VT and NH samples found to contain <1% asbestos by PLM via 400 Pt Count.	

Page 1 of 1

Total # of Samples submitted: 9

Appendix VI
PCB Sample Laboratory Report

March 23, 2022

Atlas Project Number: 208BS02380

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

March 10, 2022

Rob Montgomery
ATC Group Services LLC - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495

Project Location: 250 Main St., Burlington, VT
Client Job Number:
Project Number: 280BS02380
Laboratory Work Order Number: 22B1543

Enclosed are results of analyses for samples as received by the laboratory on February 24, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kaitlyn A. Feliciano
Project Manager

Table of Contents

Table of Contents (continued)

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ATC Group Services LLC - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495
ATTN: Rob Montgomery

REPORT DATE: 3/10/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS02380

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22B1543

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 250 Main St., Burlington, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
PCB-13A	22B1543-01	Product/Solid		SW-846 8082A	
PCB-13B	22B1543-02	Product/Solid		SW-846 8082A	
PCB-13C	22B1543-03	Product/Solid		SW-846 8082A	
PCB-15A	22B1543-04	Product/Solid		SW-846 8082A	
PCB-15B	22B1543-05	Product/Solid		SW-846 8082A	
PCB-15C	22B1543-06	Product/Solid		SW-846 8082A	
PCB-19A	22B1543-07	Caulk		SW-846 8082A	
PCB-19B	22B1543-08	Product/Solid		SW-846 8082A	
PCB-19C	22B1543-09	Product/Solid		SW-846 8082A	
PCB-20A	22B1543-10	Product/Solid		SW-846 8082A	
PCB-20B	22B1543-11	Product/Solid		SW-846 8082A	
PCB-20C	22B1543-12	Product/Solid		SW-846 8082A	
PCB-21A	22B1543-13	Product/Solid		SW-846 8082A	
PCB-21B	22B1543-14	Product/Solid		SW-846 8082A	
PCB-21C	22B1543-15	Product/Solid		SW-846 8082A	
PCB-30A	22B1543-16	Product/Solid		SW-846 8082A	
PCB-30B	22B1543-17	Product/Solid		SW-846 8082A	
PCB-30C	22B1543-18	Product/Solid		SW-846 8082A	
PCB-28A	22B1543-19	Product/Solid		SW-846 8082A	
PCB-28B	22B1543-20	Product/Solid		SW-846 8082A	
PCB-28C	22B1543-21	Product/Solid		SW-846 8082A	
PCB-32A	22B1543-22	Product/Solid		SW-846 8082A	
PCB-32B	22B1543-23	Product/Solid		SW-846 8082A	
PCB-32C	22B1543-24	Product/Solid		SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

P-01

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

Analyte & Samples(s) Qualified:

Aroclor-1254

22B1543-17[PCB-30B]

P-02

Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.

Analyte & Samples(s) Qualified:

Aroclor-1248 [2C]

22B1543-20[PCB-28B]

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT Sample Description: Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-13A Sampled: 2/22/2022 13:34

Sample ID: 22B1543-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 15:37	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 15:37	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 15:37	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 15:37	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 15:37	TG
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 15:37	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 15:37	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 15:37	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 15:37	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.1	30-150		3/3/22 15:37
Decachlorobiphenyl [2]	86.5	30-150		3/3/22 15:37
Tetrachloro-m-xylene [1]	86.3	30-150		3/3/22 15:37
Tetrachloro-m-xylene [2]	81.7	30-150		3/3/22 15:37

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-13B | Sampled: 2/22/2022 13:40

Sample ID: 22B1543-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 15:55	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 15:55	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 15:55	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 15:55	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 15:55	TG
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 15:55	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 15:55	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 15:55	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 15:55	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.7	30-150		3/3/22 15:55
Decachlorobiphenyl [2]	90.2	30-150		3/3/22 15:55
Tetrachloro-m-xylene [1]	81.5	30-150		3/3/22 15:55
Tetrachloro-m-xylene [2]	80.0	30-150		3/3/22 15:55

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-13C | Sampled: 2/22/2022 13:42

Sample ID: 22B1543-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:12	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:12	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:12	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:12	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:12	TG
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:12	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:12	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:12	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:12	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		3/3/22 16:12
Decachlorobiphenyl [2]	99.5	30-150		3/3/22 16:12
Tetrachloro-m-xylene [1]	84.5	30-150		3/3/22 16:12
Tetrachloro-m-xylene [2]	89.4	30-150		3/3/22 16:12

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-15A | Sampled: 2/22/2022 13:01

Sample ID: 22B1543-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:29	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:29	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:29	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:29	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:29	TG
Aroclor-1254 [2]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:29	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:29	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:29	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:29	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.1	30-150		3/3/22 16:29
Decachlorobiphenyl [2]	88.7	30-150		3/3/22 16:29
Tetrachloro-m-xylene [1]	90.4	30-150		3/3/22 16:29
Tetrachloro-m-xylene [2]	85.0	30-150		3/3/22 16:29

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-15B | Sampled: 2/22/2022 13:09

Sample ID: 22B1543-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:47	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:47	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:47	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:47	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:47	TG
Aroclor-1254 [2]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:47	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:47	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:47	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 16:47	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.3	30-150		3/3/22 16:47
Decachlorobiphenyl [2]	73.2	30-150		3/3/22 16:47
Tetrachloro-m-xylene [1]	79.6	30-150		3/3/22 16:47
Tetrachloro-m-xylene [2]	75.8	30-150		3/3/22 16:47

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-15C | Sampled: 2/22/2022 13:15

Sample ID: 22B1543-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 17:04	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 17:04	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 17:04	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 17:04	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 17:04	TG
Aroclor-1254 [2]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 17:04	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 17:04	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 17:04	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 17:04	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	100	30-150		3/3/22 17:04
Decachlorobiphenyl [2]	92.7	30-150		3/3/22 17:04
Tetrachloro-m-xylene [1]	88.8	30-150		3/3/22 17:04
Tetrachloro-m-xylene [2]	83.1	30-150		3/3/22 17:04

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-19A | Sampled: 2/22/2022 13:00

Sample ID: 22B1543-07

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:03	JEA
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:03	JEA
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:03	JEA
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:03	JEA
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:03	JEA
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:03	JEA
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:03	JEA
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:03	JEA
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:03	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.9	30-150		3/8/22 14:03
Decachlorobiphenyl [2]	77.2	30-150		3/8/22 14:03
Tetrachloro-m-xylene [1]	49.7	30-150		3/8/22 14:03
Tetrachloro-m-xylene [2]	43.2	30-150		3/8/22 14:03

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-19B | Sampled: 2/22/2022 13:10

Sample ID: 22B1543-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 18:43	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 18:43	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 18:43	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 18:43	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 18:43	TG
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 18:43	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 18:43	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 18:43	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 18:43	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.4	30-150		3/3/22 18:43
Decachlorobiphenyl [2]	78.1	30-150		3/3/22 18:43
Tetrachloro-m-xylene [1]	36.2	30-150		3/3/22 18:43
Tetrachloro-m-xylene [2]	33.1	30-150		3/3/22 18:43

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-19C | Sampled: 2/22/2022 13:15

Sample ID: 22B1543-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:01	TG
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:01	TG
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:01	TG
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:01	TG
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:01	TG
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:01	TG
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:01	TG
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:01	TG
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:01	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	58.0	30-150		3/3/22 19:01
Decachlorobiphenyl [2]	53.0	30-150		3/3/22 19:01
Tetrachloro-m-xylene [1]	56.5	30-150		3/3/22 19:01
Tetrachloro-m-xylene [2]	52.4	30-150		3/3/22 19:01

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-20A | Sampled: 2/22/2022 13:30

Sample ID: 22B1543-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:18	TG
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:18	TG
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:18	TG
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:18	TG
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:18	TG
Aroclor-1254 [2]	0.95	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:18	TG
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:18	TG
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:18	TG
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:18	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		3/3/22 19:18
Decachlorobiphenyl [2]	95.0	30-150		3/3/22 19:18
Tetrachloro-m-xylene [1]	96.3	30-150		3/3/22 19:18
Tetrachloro-m-xylene [2]	91.1	30-150		3/3/22 19:18

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-20B | Sampled: 2/22/2022 13:31

Sample ID: 22B1543-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:35	TG
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:35	TG
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:35	TG
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:35	TG
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:35	TG
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:35	TG
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:35	TG
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:35	TG
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:35	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.3	30-150		3/3/22 19:35
Decachlorobiphenyl [2]	76.3	30-150		3/3/22 19:35
Tetrachloro-m-xylene [1]	70.4	30-150		3/3/22 19:35
Tetrachloro-m-xylene [2]	66.9	30-150		3/3/22 19:35

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-20C | Sampled: 2/22/2022 13:35

Sample ID: 22B1543-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:53	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:53	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:53	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:53	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:53	TG
Aroclor-1254 [2]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:53	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:53	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:53	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 19:53	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		3/3/22 19:53
Decachlorobiphenyl [2]	102	30-150		3/3/22 19:53
Tetrachloro-m-xylene [1]	103	30-150		3/3/22 19:53
Tetrachloro-m-xylene [2]	98.8	30-150		3/3/22 19:53

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-21A | Sampled: 2/22/2022 13:50

Sample ID: 22B1543-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:10	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:10	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:10	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:10	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:10	TG
Aroclor-1254 [2]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:10	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:10	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:10	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:10	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.0	30-150		3/3/22 20:10
Decachlorobiphenyl [2]	69.0	30-150		3/3/22 20:10
Tetrachloro-m-xylene [1]	79.9	30-150		3/3/22 20:10
Tetrachloro-m-xylene [2]	75.4	30-150		3/3/22 20:10

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-21B | Sampled: 2/22/2022 13:53

Sample ID: 22B1543-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:27	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:27	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:27	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:27	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:27	TG
Aroclor-1254 [2]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:27	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:27	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:27	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:27	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.1	30-150		3/3/22 20:27
Decachlorobiphenyl [2]	88.1	30-150		3/3/22 20:27
Tetrachloro-m-xylene [1]	93.2	30-150		3/3/22 20:27
Tetrachloro-m-xylene [2]	89.1	30-150		3/3/22 20:27

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-21C | Sampled: 2/22/2022 13:58

Sample ID: 22B1543-15

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:45	TG
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:45	TG
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:45	TG
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:45	TG
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:45	TG
Aroclor-1254 [2]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:45	TG
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:45	TG
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:45	TG
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/1/22	3/3/22 20:45	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.6	30-150		3/3/22 20:45
Decachlorobiphenyl [2]	76.3	30-150		3/3/22 20:45
Tetrachloro-m-xylene [1]	78.0	30-150		3/3/22 20:45
Tetrachloro-m-xylene [2]	74.1	30-150		3/3/22 20:45

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-30A | Sampled: 2/22/2022 14:20

Sample ID: 22B1543-16

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 11:49	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 11:49	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 11:49	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 11:49	JMB
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 11:49	JMB
Aroclor-1254 [1]	1.8	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 11:49	JMB
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 11:49	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 11:49	JMB
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 11:49	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	68.3	30-150		3/3/22 11:49
Decachlorobiphenyl [2]	58.7	30-150		3/3/22 11:49
Tetrachloro-m-xylene [1]	70.2	30-150		3/3/22 11:49
Tetrachloro-m-xylene [2]	60.8	30-150		3/3/22 11:49

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-30B | Sampled: 2/22/2022 14:22

Sample ID: 22B1543-17

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:07	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:07	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:07	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:07	JMB
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:07	JMB
Aroclor-1254 [1]	1.3	0.49	mg/Kg	5	P-01	SW-846 8082A	3/1/22	3/3/22 12:07	JMB
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:07	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:07	JMB
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.3	30-150		3/3/22 12:07
Decachlorobiphenyl [2]	62.6	30-150		3/3/22 12:07
Tetrachloro-m-xylene [1]	79.7	30-150		3/3/22 12:07
Tetrachloro-m-xylene [2]	69.7	30-150		3/3/22 12:07

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-30C | Sampled: 2/22/2022 14:26

Sample ID: 22B1543-18

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:25	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:25	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:25	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:25	JMB
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:25	JMB
Aroclor-1254 [1]	0.56	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:25	JMB
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:25	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:25	JMB
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:25	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	67.4	30-150		3/3/22 12:25
Decachlorobiphenyl [2]	57.0	30-150		3/3/22 12:25
Tetrachloro-m-xylene [1]	70.7	30-150		3/3/22 12:25
Tetrachloro-m-xylene [2]	62.3	30-150		3/3/22 12:25

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-28A | Sampled: 2/22/2022 14:10

Sample ID: 22B1543-19

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:43	JMB
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:43	JMB
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:43	JMB
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:43	JMB
Aroclor-1248 [1]	0.70	0.50	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:43	JMB
Aroclor-1254 [2]	1.0	0.50	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:43	JMB
Aroclor-1260 [2]	ND	0.50	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:43	JMB
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:43	JMB
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 12:43	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	54.6	30-150		3/3/22 12:43
Decachlorobiphenyl [2]	48.0	30-150		3/3/22 12:43
Tetrachloro-m-xylene [1]	57.4	30-150		3/3/22 12:43
Tetrachloro-m-xylene [2]	54.0	30-150		3/3/22 12:43

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-28B | Sampled: 2/22/2022 14:12

Sample ID: 22B1543-20

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:01	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:01	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:01	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:01	JMB
Aroclor-1248 [2]	0.21	0.099	mg/Kg	1	P-02	SW-846 8082A	3/1/22	3/3/22 13:01	JMB
Aroclor-1254 [2]	0.51	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:01	JMB
Aroclor-1260 [2]	ND	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:01	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:01	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:01	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	60.1	30-150		3/3/22 13:01
Decachlorobiphenyl [2]	51.4	30-150		3/3/22 13:01
Tetrachloro-m-xylene [1]	59.8	30-150		3/3/22 13:01
Tetrachloro-m-xylene [2]	52.8	30-150		3/3/22 13:01

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-28C | Sampled: 2/22/2022 14:16

Sample ID: 22B1543-21

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 13:19	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 13:19	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 13:19	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 13:19	JMB
Aroclor-1248 [1]	0.56	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 13:19	JMB
Aroclor-1254 [2]	0.98	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 13:19	JMB
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 13:19	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 13:19	JMB
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/1/22	3/3/22 13:19	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	55.0	30-150		3/3/22 13:19
Decachlorobiphenyl [2]	47.7	30-150		3/3/22 13:19
Tetrachloro-m-xylene [1]	57.5	30-150		3/3/22 13:19
Tetrachloro-m-xylene [2]	54.0	30-150		3/3/22 13:19

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-32A | Sampled: 2/22/2022 14:45

Sample ID: 22B1543-22

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:37	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:37	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:37	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:37	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:37	JMB
Aroclor-1254 [1]	0.36	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:37	JMB
Aroclor-1260 [1]	0.21	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:37	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:37	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:37	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	70.8	30-150		3/3/22 13:37
Decachlorobiphenyl [2]	59.5	30-150		3/3/22 13:37
Tetrachloro-m-xylene [1]	71.2	30-150		3/3/22 13:37
Tetrachloro-m-xylene [2]	61.6	30-150		3/3/22 13:37

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-32B | Sampled: 2/22/2022 14:48

Sample ID: 22B1543-23

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:55	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:55	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:55	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:55	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:55	JMB
Aroclor-1254 [1]	0.29	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:55	JMB
Aroclor-1260 [1]	0.13	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:55	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:55	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 13:55	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	64.7	30-150		3/3/22 13:55
Decachlorobiphenyl [2]	54.6	30-150		3/3/22 13:55
Tetrachloro-m-xylene [1]	66.1	30-150		3/3/22 13:55
Tetrachloro-m-xylene [2]	58.0	30-150		3/3/22 13:55

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1543

Date Received: 2/24/2022

Field Sample #: PCB-32C | Sampled: 2/22/2022 14:50

Sample ID: 22B1543-24

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 14:13	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 14:13	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 14:13	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 14:13	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 14:13	JMB
Aroclor-1254 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 14:13	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 14:13	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 14:13	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/1/22	3/3/22 14:13	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	71.0	30-150		3/3/22 14:13
Decachlorobiphenyl [2]	63.0	30-150		3/3/22 14:13
Tetrachloro-m-xylene [1]	82.1	30-150		3/3/22 14:13
Tetrachloro-m-xylene [2]	72.0	30-150		3/3/22 14:13

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Sample Extraction Data

Prep Method: SW-846 3540C **Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
22B1543-01 [PCB-13A]	B302193	0.509	10.0	03/01/22
22B1543-02 [PCB-13B]	B302193	0.506	10.0	03/01/22
22B1543-03 [PCB-13C]	B302193	0.508	10.0	03/01/22
22B1543-04 [PCB-15A]	B302193	0.504	10.0	03/01/22
22B1543-05 [PCB-15B]	B302193	0.509	10.0	03/01/22
22B1543-06 [PCB-15C]	B302193	0.506	10.0	03/01/22
22B1543-08 [PCB-19B]	B302193	0.503	10.0	03/01/22
22B1543-09 [PCB-19C]	B302193	0.516	10.0	03/01/22
22B1543-10 [PCB-20A]	B302193	0.514	10.0	03/01/22
22B1543-11 [PCB-20B]	B302193	0.513	10.0	03/01/22
22B1543-12 [PCB-20C]	B302193	0.505	10.0	03/01/22
22B1543-13 [PCB-21A]	B302193	0.506	10.0	03/01/22
22B1543-14 [PCB-21B]	B302193	0.508	10.0	03/01/22
22B1543-15 [PCB-21C]	B302193	0.512	10.0	03/01/22

Prep Method: SW-846 3540C **Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
22B1543-07RE1 [PCB-19A]	B302578	0.503	10.0	03/05/22

Prep Method: SW-846 3540C **Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
22B1543-16 [PCB-30A]	B302158	2.03	10.0	03/01/22
22B1543-17 [PCB-30B]	B302158	2.03	10.0	03/01/22
22B1543-18 [PCB-30C]	B302158	2.03	10.0	03/01/22
22B1543-19 [PCB-28A]	B302158	2.02	10.0	03/01/22
22B1543-20 [PCB-28B]	B302158	2.03	10.0	03/01/22
22B1543-21 [PCB-28C]	B302158	2.03	10.0	03/01/22
22B1543-22 [PCB-32A]	B302158	2.02	10.0	03/01/22
22B1543-23 [PCB-32B]	B302158	2.03	10.0	03/01/22
22B1543-24 [PCB-32C]	B302158	2.00	10.0	03/01/22

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B302158 - SW-846 3540C										
Blank (B302158-BLK1)				Prepared: 03/01/22 Analyzed: 03/03/22						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*1.06*		mg/Kg	1.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.874*		mg/Kg	1.00		87.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.839*		mg/Kg	1.00		83.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.730*		mg/Kg	1.00		73.0	30-150			
LCS (B302158-BS1)				Prepared: 03/01/22 Analyzed: 03/03/22						
Aroclor-1016	0.75	0.10	mg/Kg	1.00		75.3	40-140			
Aroclor-1016 [2C]	0.66	0.10	mg/Kg	1.00		66.2	40-140			
Aroclor-1260	0.88	0.10	mg/Kg	1.00		88.3	40-140			
Aroclor-1260 [2C]	0.74	0.10	mg/Kg	1.00		74.3	40-140			
Surrogate: Decachlorobiphenyl	*1.11*		mg/Kg	1.00		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.905*		mg/Kg	1.00		90.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.843*		mg/Kg	1.00		84.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.731*		mg/Kg	1.00		73.1	30-150			
LCS Dup (B302158-BSD1)				Prepared: 03/01/22 Analyzed: 03/03/22						
Aroclor-1016	0.80	0.10	mg/Kg	1.00		79.8	40-140	5.80	30	
Aroclor-1016 [2C]	0.70	0.10	mg/Kg	1.00		69.7	40-140	5.19	30	
Aroclor-1260	0.90	0.10	mg/Kg	1.00		90.4	40-140	2.39	30	
Aroclor-1260 [2C]	0.76	0.10	mg/Kg	1.00		76.0	40-140	2.24	30	
Surrogate: Decachlorobiphenyl	*1.10*		mg/Kg	1.00		110	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.905*		mg/Kg	1.00		90.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.871*		mg/Kg	1.00		87.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.756*		mg/Kg	1.00		75.6	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B302158 - SW-846 3540C										
Matrix Spike (B302158-MS1)	**Source: 22B1543-16**			Prepared: 03/01/22 Analyzed: 03/03/22						
Aroclor-1016	0.90	0.49	mg/Kg	0.985	ND	90.9	40-140			
Aroclor-1016 [2C]	0.95	0.49	mg/Kg	0.985	ND	96.5	40-140			
Aroclor-1260	0.77	0.49	mg/Kg	0.985	ND	78.2	40-140			
Aroclor-1260 [2C]	0.80	0.49	mg/Kg	0.985	ND	81.2	40-140			
Surrogate: Decachlorobiphenyl	*0.378*		mg/Kg	0.985		38.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.394*		mg/Kg	0.985		40.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.418*		mg/Kg	0.985		42.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.377*		mg/Kg	0.985		38.3	30-150			
Matrix Spike Dup (B302158-MSD1)	**Source: 22B1543-16**			Prepared: 03/01/22 Analyzed: 03/03/22						
Aroclor-1016	1.1	0.49	mg/Kg	0.980	ND	116	40-140	23.9	50	
Aroclor-1016 [2C]	1.2	0.49	mg/Kg	0.980	ND	123	40-140	23.9	50	
Aroclor-1260	1.2	0.49	mg/Kg	0.980	ND	124	40-140	44.7	50	
Aroclor-1260 [2C]	1.2	0.49	mg/Kg	0.980	ND	126	40-140	42.4	50	
Surrogate: Decachlorobiphenyl	*0.707*		mg/Kg	0.980		72.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.629*		mg/Kg	0.980		64.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.712*		mg/Kg	0.980		72.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.630*		mg/Kg	0.980		64.2	30-150			
Batch B302193 - SW-846 3540C										
Blank (B302193-BLK1)				Prepared: 03/01/22 Analyzed: 03/03/22						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*3.80*		mg/Kg	3.94		96.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.77*		mg/Kg	3.94		95.7	30-150			
Surrogate: Tetrachloro-m-xylene	*3.02*		mg/Kg	3.94		76.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.10*		mg/Kg	3.94		78.7	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B302193 - SW-846 3540C										
LCS (B302193-BS1)				Prepared: 03/01/22 Analyzed: 03/03/22						
Aroclor-1016	3.2	0.20	mg/Kg	3.93		80.6	40-140			
Aroclor-1016 [2C]	3.4	0.20	mg/Kg	3.93		85.5	40-140			
Aroclor-1260	3.6	0.20	mg/Kg	3.93		91.4	40-140			
Aroclor-1260 [2C]	3.4	0.20	mg/Kg	3.93		85.7	40-140			
Surrogate: Decachlorobiphenyl	*3.88*		mg/Kg	3.93		98.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.87*		mg/Kg	3.93		98.5	30-150			
Surrogate: Tetrachloro-m-xylene	*3.36*		mg/Kg	3.93		85.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.48*		mg/Kg	3.93		88.5	30-150			
LCS Dup (B302193-BSD1)				Prepared: 03/01/22 Analyzed: 03/03/22						
Aroclor-1016	3.1	0.20	mg/Kg	3.98		78.3	40-140	1.52	30	
Aroclor-1016 [2C]	3.4	0.20	mg/Kg	3.98		85.1	40-140	0.784	30	
Aroclor-1260	3.5	0.20	mg/Kg	3.98		87.8	40-140	2.71	30	
Aroclor-1260 [2C]	3.3	0.20	mg/Kg	3.98		83.0	40-140	1.95	30	
Surrogate: Decachlorobiphenyl	*3.60*		mg/Kg	3.98		90.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.58*		mg/Kg	3.98		89.8	30-150			
Surrogate: Tetrachloro-m-xylene	*3.19*		mg/Kg	3.98		80.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.21*		mg/Kg	3.98		80.5	30-150			
Batch B302578 - SW-846 3540C										
Blank (B302578-BLK1)				Prepared: 03/05/22 Analyzed: 03/08/22						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*3.84*		mg/Kg	3.93		97.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.76*		mg/Kg	3.93		95.8	30-150			
Surrogate: Tetrachloro-m-xylene	*3.46*		mg/Kg	3.93		88.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.35*		mg/Kg	3.93		85.4	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B302578 - SW-846 3540C										
LCS (B302578-BS1)				Prepared: 03/05/22 Analyzed: 03/08/22						
Aroclor-1016	3.0	0.20	mg/Kg	3.97		74.8	40-140			
Aroclor-1016 [2C]	3.5	0.20	mg/Kg	3.97		88.8	40-140			
Aroclor-1260	3.7	0.20	mg/Kg	3.97		92.2	40-140			
Aroclor-1260 [2C]	3.3	0.20	mg/Kg	3.97		82.4	40-140			
Surrogate: Decachlorobiphenyl	*3.73*		mg/Kg	3.97		94.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.65*		mg/Kg	3.97		92.0	30-150			
Surrogate: Tetrachloro-m-xylene	*3.36*		mg/Kg	3.97		84.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.30*		mg/Kg	3.97		83.2	30-150			
LCS Dup (B302578-BSD1)				Prepared: 03/05/22 Analyzed: 03/08/22						
Aroclor-1016	2.9	0.20	mg/Kg	3.97		73.5	40-140	1.89	30	
Aroclor-1016 [2C]	3.5	0.20	mg/Kg	3.97		88.4	40-140	0.530	30	
Aroclor-1260	3.5	0.20	mg/Kg	3.97		89.0	40-140	3.63	30	
Aroclor-1260 [2C]	3.2	0.20	mg/Kg	3.97		80.1	40-140	3.07	30	
Surrogate: Decachlorobiphenyl	*3.47*		mg/Kg	3.97		87.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.38*		mg/Kg	3.97		85.2	30-150			
Surrogate: Tetrachloro-m-xylene	*3.18*		mg/Kg	3.97		80.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.11*		mg/Kg	3.97		78.5	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

PCB-30A

Lab Sample ID: 22B1543-16

Date(s) Analyzed: 03/03/2022 03/03/2022

Instrument ID (1): ECD3

Instrument ID (2): ECD3

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.8	
	2	0.000	0.000	0.000	1.4	25.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

PCB-30B

Lab Sample ID: 22B1543-17

Date(s) Analyzed: 03/03/2022 03/03/2022

Instrument ID (1): ECD3

Instrument ID (2): ECD3

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	0.77	51.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

PCB-30C

Lab Sample ID: 22B1543-18 Date(s) Analyzed: 03/03/2022 03/03/2022

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.56	
	2	0.000	0.000	0.000	0.49	13.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

PCB-28A

Lab Sample ID: 22B1543-19 Date(s) Analyzed: 03/03/2022 03/03/2022

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.70	
	2	0.000	0.000	0.000	0.68	2.9
Aroclor-1254	1	0.000	0.000	0.000	0.89	
	2	0.000	0.000	0.000	1.0	11.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

PCB-28B

Lab Sample ID: 22B1543-20 Date(s) Analyzed: 03/03/2022 03/03/2022

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.37	
	2	0.000	0.000	0.000	0.21	55.2
Aroclor-1254	1	0.000	0.000	0.000	0.38	
	2	0.000	0.000	0.000	0.51	29.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

PCB-28C

Lab Sample ID: 22B1543-21 Date(s) Analyzed: 03/03/2022 03/03/2022

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.56	
	2	0.000	0.000	0.000	0.51	9.4
Aroclor-1254	1	0.000	0.000	0.000	0.88	
	2	0.000	0.000	0.000	0.98	10.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

PCB-32A

Lab Sample ID: 22B1543-22

Date(s) Analyzed: 03/03/2022 03/03/2022

Instrument ID (1): ECD3

Instrument ID (2): ECD3

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.36	
	2	0.000	0.000	0.000	0.30	18.2
Aroclor-1260	1	0.000	0.000	0.000	0.21	
	2	0.000	0.000	0.000	0.16	27.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

PCB-32B

Lab Sample ID: 22B1543-23

Date(s) Analyzed: 03/03/2022 03/03/2022

Instrument ID (1): ECD3

Instrument ID (2): ECD3

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.29	
	2	0.000	0.000	0.000	0.21	32.0
Aroclor-1260	1	0.000	0.000	0.000	0.13	
	2	0.000	0.000	0.000	0.099	27.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B302158-BS1 Date(s) Analyzed: 03/03/2022 03/03/2022

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.75	
	2	0.000	0.000	0.000	0.66	12.8
Aroclor-1260	1	0.000	0.000	0.000	0.88	
	2	0.000	0.000	0.000	0.74	17.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B302158-BSD1 Date(s) Analyzed: 03/03/2022 03/03/2022

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.80	
	2	0.000	0.000	0.000	0.70	13.3
Aroclor-1260	1	0.000	0.000	0.000	0.90	
	2	0.000	0.000	0.000	0.76	16.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B302158-MS1 Date(s) Analyzed: 03/03/2022 03/03/2022

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.90	
	2	0.000	0.000	0.000	0.95	5.4
Aroclor-1260	1	0.000	0.000	0.000	0.77	
	2	0.000	0.000	0.000	0.80	3.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B302158-MSD1 Date(s) Analyzed: 03/03/2022 03/03/2022

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.2	8.7
Aroclor-1260	1	0.000	0.000	0.000	1.2	
	2	0.000	0.000	0.000	1.2	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B302193-BS1 Date(s) Analyzed: 03/03/2022 03/03/2022

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	3.2	
	2	0.000	0.000	0.000	3.4	6.1
Aroclor-1260	1	0.000	0.000	0.000	3.6	
	2	0.000	0.000	0.000	3.4	5.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B302193-BSD1 Date(s) Analyzed: 03/03/2022 03/03/2022

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	3.1	
	2	0.000	0.000	0.000	3.4	9.2
Aroclor-1260	1	0.000	0.000	0.000	3.5	
	2	0.000	0.000	0.000	3.3	5.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B302578-BS1 Date(s) Analyzed: 03/08/2022 03/08/2022

Instrument ID (1): ECD11 Instrument ID (2): ECD11

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	3.0	
	2	0.000	0.000	0.000	3.5	15.4
Aroclor-1260	1	0.000	0.000	0.000	3.7	
	2	0.000	0.000	0.000	3.3	11.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B302578-BSD1 Date(s) Analyzed: 03/08/2022 03/08/2022

Instrument ID (1): ECD11 Instrument ID (2): ECD11

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	2.9	
	2	0.000	0.000	0.000	3.5	18.8
Aroclor-1260	1	0.000	0.000	0.000	3.5	
	2	0.000	0.000	0.000	3.2	9.0

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.
P-02	Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1262	NY,NC,VA,PA
Aroclor-1262 [2C]	NY,NC,VA,PA
Aroclor-1268	NY,NC,VA,PA
Aroclor-1268 [2C]	NY,NC,VA,PA

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

228 1543

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Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 2_06262019

Page 1 of 9

Company Name: Atlas Technical Consultants
Address: 51 Knight Ln Williston VT
Phone: 862 1980
Project Name: Memorial Auditorium
Project Location: 250 Main St. Burl. VT
Project Number: 280BS02380
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: JA NA AM JS

Requested Turnaround Time: 7-Day ☐ 10-Day X; PFAS 10-Day (std) ☐ Due Date:
Rush-Approval Required: 1-Day ☐ 3-Day ☐; 2-Day ☐ 4-Day ☐
Dissolved Metals Samples: ○ Field Filtered ○ Lab to Filter
Orthophosphate Samples: ○ Field Filtered ○ Lab to Filter
Data Delivery: Format: PDF X EXCEL X
Other:
CLP Like Data Pkg Required: ☐
Email To: RobMontgomery@oneatlas.com
Fax To #:

ANALYSIS REQUESTED: EPA SW846 8082

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	EPA SW846 8082
1	PCB-13 A	2/22/22 1334 am	1334	Grab	O	U		1				X
2	↓ B	2/22/22	1340	↓	↓	↓		↓				↓
3	↓ C		1342	↓	↓	↓		↓				↓
	PCB-14 A	VOID										
	↓ B	VOID										
	↓ C	VOID										
4	PCB-15 A	2/23/22	1301	↓	↓	↓		↓				↓
5	↓ B	↓	1309	↓	↓	↓		↓				↓
6	↓ C	↓	1315	↓	↓	↓		↓				↓

Signature	Date/Time
Relinquished by: (signature) [signature]	2/23/22 / 1200
Received by: (signature) [signature]	2-24-22
Relinquished by: (signature) [signature]	2-24-22
Received by: (signature) [signature] 10:00	2-24-22
Relinquished by: (signature) [signature] 14:55	2-24-22
Received by: (signature) [signature] 2.0	2/24/22 1455
Relinquished by: (signature)	
Received by: (signature)	

Client Comments:
9:40 am

Detection Limit Requirements
MA 9:40 am
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA state DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Federal ☐ City ☐
Municipality ☐ 21 J ☐ Brownfield ☐
MWRA ☐ School ☐ MBTA ☐
WRTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
X Soxhlet
☐ Non Soxhlet

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS____
GLASS____
PLASTIC____
BACTERIA____
ENCORE____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define) Bulk

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Comments:

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con Test values your partnership on each project and will try to assist with missing information, but will not b held accountable.

22B1543

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Email: info@contestlabs.com
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East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 2_06262019

Page 2 of 9

Company Name: Atlas Technical Consultants
Address: 51 Knight Ln Williston VT
Phone: 862-1980
Project Name: Memorial Auditorium
Project Location: 250 Main St. Btv. VT
Project Number: 280BS02380
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: JA NA HM JS

Requested Turnaround Time: 7-Day ☐ 10-Day X; PFAS 10-Day (std) ☐ Due Date:
Rush-Approval Required: 1-Day ☐ 3-Day ☐; 2-Day ☐ 4-Day ☐
Dissolved Metals Samples: ○ Field Filtered ○ Lab to Filter
Orthophosphate Samples: ○ Field Filtered ○ Lab to Filter
Data Delivery: Format: PDF X EXCEL X
Other:
CLP Like Data Pkg Required: ☐
Email To: Rob.Montgomery@oneatlas.com
Fax To #:

ANALYSIS REQUESTED: EPA SW 846 8082

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code[1]	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	EPA SW 846 8082
7	PCB-19 A	2/22 1325		GRab	O	U		1				X
8	↓ B	1340		↓	↓	↓		↓				↓
9	↓ C	1315		↓	↓	↓		↓				↓
10	PCB-20 A	1330		↓	↓	↓		↓				↓
11	↓ B	1338		↓	↓	↓		↓				↓
12	↓ C	1335		↓	↓	↓		↓				↓
13	PCB-21 A	1350		↓	↓	↓		↓				↓
14	↓ B	1353		↓	↓	↓		↓				↓
15	↓ C	1358		↓	↓	↓		↓				↓

Signature	Date/Time
Relinquished by: (signature) [signature]	2/23/22 1200
Received by: (signature) [signature]	2-24-22
Relinquished by: (signature) [signature]	2-24-22
Received by: (signature) [signature] 10:00	2-24-22
Relinquished by: (signature) [signature] 14:55	2-24-22
Received by: (signature) [signature] 2-D	2/24/22 1455
Relinquished by: (signature)	
Received by: (signature)	

Client Comments:
9:40am

Detection Limit Requirements: MA 9:40 am; CT; Other

Special Requirements: ☐ MA MCP Required; MCP Certification Form Required; ☐ CT RCP Required; RCP Certification Form Required; ☐ MA State DW Required; PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity: Government ☐ Federal ☐ City ☐ Municipality ☐ 21 J ☐ Brownfield ☐ MWRA ☐ School ☐ MBTA ☐ WRTA ☐

Other: ☐ Chromatogram ☐ AIHA-LAP,LLC

PCB ONLY: X Soxhlet ☐ Non Soxhlet

Preservation Code[2]

Courier Use Only
Total Number Of:
VIALS____
GLASS____
PLASTIC____
BACTERIA____
ENCORE____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define) Bulk

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Comments:

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22B1543

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CHAIN OF CUSTODY RECORD

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Doc # 381 Rev 2_06262019

Page 3 of 9

Company Name: Atlas technical Consultants
Address: 51 Knight Ln Williston VT
Phone: 862 1980
Project Name: Memorial Auditorium
Project Location: 260 Main St. Burl. VT
Project Number: 280BS02380
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: JA NA HM JS

Requested Turnaround Time: 7-Day ☐ 10-Day X; PFAS 10-Day (std) ☐ Due Date:
Rush-Approval Required: 1-Day ☐ 3-Day ☐; 2-Day ☐ 4-Day ☐
Dissolved Metals Samples: ○ Field Filtered ○ Lab to Filter
Orthophosphate Samples: ○ Field Filtered ○ Lab to Filter
Data Delivery: Format: PDF X EXCEL X
Other:
CLP Like Data Pkg Required: ☐
Email To: Rob.Montgomery@oneatlas.com
Fax To #:

ANALYSIS REQUESTED: EPA SW846 8082

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1] Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	EPA SW846 8082
16	PCB-3030 A	1420		Grab	O	U		1				X
17	↓ B	1422		↓	↓	↓		↓				↓
18	↓ C	1426		↓	↓	↓		↓				↓
19	PCB-28 A	1410		↓	↓	↓		↓				↓
20	↓ 28 B	1412		↓	↓	↓		↓				↓
21	↓ C	1416		↓	↓	↓		↓				↓
22	PCB-32 A	1445		↓	↓	↓		↓				↓
23	↓ B	1448		↓	↓	↓		↓				↓
24	↓ C	1450		↓	↓	↓		↓				↓

Relinquished/Received	Date/Time
Relinquished by: (signature) [signature]	2/23/22 1200
Received by: (signature) [signature]	2-24-22 9:40 am
Relinquished by: (signature) [signature] 10:00	2-24-22
Received by: (signature) [signature] 14:55	2-24-22
Relinquished by: (signature) [signature] 2-0	2/24/22 1455
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements: MA; CT; Other

Special Requirements: ☐ MA MCP Required; MCP Certification Form Required; ☐ CT RCP Required; RCP Certification Form Required; ☐ MA State DW Required; PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity: Government ☐ Federal ☐ City ☐ Municipality ☐ 21 J ☐ Brownfield ☐ MWRA ☐ School ☐ MBTA ☐ WRTA ☐

Other: ☐ Chromatogram ☐ AIHA-LAP,LLC

PCB ONLY: X Soxhlet ☐ Non Soxhlet

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS____
GLASS____
PLASTIC____
BACTERIA____
ENCORE____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define) Bulk

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Comments:

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I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client ATC

Received By _____ Date 2/24/22 Time 1455

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 2.0

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? n/a Were Samples Tampered with? n/a

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? n/a MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? Acid n/a Base n/a

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	24
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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A Pace Analytical® Laboratory

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March 10, 2022

Rob Montgomery
ATC Group Services LLC - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495

Project Location: 250 Main St., Burlington, VT
Client Job Number:
Project Number: 280BS02380
Laboratory Work Order Number: 22B1544

Enclosed are results of analyses for samples as received by the laboratory on February 24, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kaitlyn A. Feliciano
Project Manager

Table of Contents

Table of Contents (continued)

con-test®
A Pace Analytical® Laboratory

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ATC Group Services LLC - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495
ATTN: Rob Montgomery

REPORT DATE: 3/10/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS02380

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22B1544

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 250 Main St., Burlington, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
PCB-35A	22B1544-01	Caulk		SW-846 8082A	
PCB-35B	22B1544-02	Caulk		SW-846 8082A	
PCB-35C	22B1544-03	Caulk		SW-846 8082A	
PCB-47A	22B1544-04	Product/Solid		SW-846 8082A	
PCB-47B	22B1544-05	Caulk		SW-846 8082A	
PCB-47C	22B1544-06	Caulk		SW-846 8082A	
PCB-56A	22B1544-07	Product/Solid		SW-846 8082A	
PCB-56B	22B1544-08	Product/Solid		SW-846 8082A	
PCB-56C	22B1544-09	Product/Solid		SW-846 8082A	
PCB-62A	22B1544-10	Product/Solid		SW-846 8082A	
PCB-62B	22B1544-11	Product/Solid		SW-846 8082A	
PCB-62C	22B1544-12	Product/Solid		SW-846 8082A	
PCB-64A	22B1544-13	Product/Solid		SW-846 8082A	
PCB-64B	22B1544-14	Product/Solid		SW-846 8082A	
PCB-64C	22B1544-15	Product/Solid		SW-846 8082A	
PCB-65A	22B1544-16	Caulk		SW-846 8082A	
PCB-65B	22B1544-17	Product/Solid		SW-846 8082A	
PCB-65C	22B1544-18	Caulk		SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 8082A

Qualifications:

DL-03

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

22B1544-10[PCB-62A], 22B1544-11[PCB-62B], 22B1544-17[PCB-65B]

MS-21

Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

Analyte & Samples(s) Qualified:

Aroclor-1016
B302335-MS1, B302335-MSD1

Aroclor-1016 [2C]
B302335-MS1, B302335-MSD1

Aroclor-1260
B302335-MS1, B302335-MSD1

Aroclor-1260 [2C]
B302335-MS1, B302335-MSD1

O-27

Elevated reporting limit due to sample matrix interference. Multiple extract clean-up procedures were performed on this sample, but they did not sufficiently remove the interference to meet the requested reporting limit.

Analyte & Samples(s) Qualified:

22B1544-07[PCB-56A], 22B1544-08[PCB-56B], 22B1544-09[PCB-56C]

P-01

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

Analyte & Samples(s) Qualified:

Aroclor-1254 [2C]
22B1544-13[PCB-64A], 22B1544-14[PCB-64B]

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl
22B1544-07[PCB-56A], 22B1544-08[PCB-56B], 22B1544-09[PCB-56C]

Decachlorobiphenyl [2C]
22B1544-07[PCB-56A], 22B1544-08[PCB-56B], 22B1544-09[PCB-56C]

Tetrachloro-m-xylene
22B1544-07[PCB-56A], 22B1544-08[PCB-56B], 22B1544-09[PCB-56C]

Tetrachloro-m-xylene [2C]
22B1544-07[PCB-56A], 22B1544-08[PCB-56B], 22B1544-09[PCB-56C]

S-19

Surrogate recovery is outside of control limits, matrix interference suspected. Reanalysis yielded similar surrogate non-conformance.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl
22B1544-04[PCB-47A], B302335-MS1, B302335-MSD1

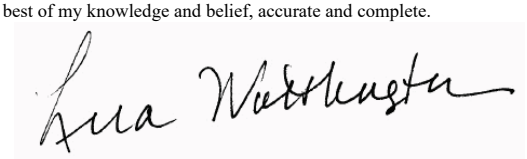
Decachlorobiphenyl [2C]
22B1544-04[PCB-47A], B302335-MS1, B302335-MSD1

Tetrachloro-m-xylene
22B1544-04[PCB-47A], B302335-MS1, B302335-MSD1

Tetrachloro-m-xylene [2C]
22B1544-04[PCB-47A], B302335-MS1, B302335-MSD1

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

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Project Location: 250 Main St., Burlington, VT Sample Description: Work Order: 22B1544

Date Received: 2/24/2022

Field Sample #: PCB-35A Sampled: 2/22/2022 14:30

Sample ID: 22B1544-01

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 22:52	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 22:52	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 22:52	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 22:52	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 22:52	TG
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 22:52	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 22:52	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 22:52	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 22:52	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.8	30-150		3/7/22 22:52
Decachlorobiphenyl [2]	84.8	30-150		3/7/22 22:52
Tetrachloro-m-xylene [1]	78.2	30-150		3/7/22 22:52
Tetrachloro-m-xylene [2]	80.9	30-150		3/7/22 22:52

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1544

Date Received: 2/24/2022

Field Sample #: PCB-35B | Sampled: 2/22/2022 14:45

Sample ID: 22B1544-02

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:10	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:10	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:10	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:10	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:10	TG
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:10	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:10	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:10	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:10	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	70.1	30-150		3/7/22 23:10
Decachlorobiphenyl [2]	74.7	30-150		3/7/22 23:10
Tetrachloro-m-xylene [1]	69.7	30-150		3/7/22 23:10
Tetrachloro-m-xylene [2]	70.7	30-150		3/7/22 23:10

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1544

Date Received: 2/24/2022

Field Sample #: PCB-35C | Sampled: 2/22/2022 15:10

Sample ID: 22B1544-03

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:27	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:27	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:27	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:27	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:27	TG
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:27	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:27	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:27	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:27	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.4	30-150		3/7/22 23:27
Decachlorobiphenyl [2]	89.9	30-150		3/7/22 23:27
Tetrachloro-m-xylene [1]	84.4	30-150		3/7/22 23:27
Tetrachloro-m-xylene [2]	86.1	30-150		3/7/22 23:27

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1544

Date Received: 2/24/2022

Field Sample #: PCB-47A | Sampled: 2/22/2022 13:50

Sample ID: 22B1544-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	3/2/22	3/6/22 10:51	JEA
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	3/2/22	3/6/22 10:51	JEA
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	3/2/22	3/6/22 10:51	JEA
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	3/2/22	3/6/22 10:51	JEA
Aroclor-1248 [2]	9.7	1.0	mg/Kg	10		SW-846 8082A	3/2/22	3/6/22 10:51	JEA
Aroclor-1254 [2]	13	1.0	mg/Kg	10		SW-846 8082A	3/2/22	3/6/22 10:51	JEA
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	3/2/22	3/6/22 10:51	JEA
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	3/2/22	3/6/22 10:51	JEA
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	3/2/22	3/6/22 10:51	JEA

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	**26.3**	*	30-150	S-19	3/6/22 10:51
Decachlorobiphenyl [2]	**25.5**	*	30-150	S-19	3/6/22 10:51
Tetrachloro-m-xylene [1]	**24.7**	*	30-150	S-19	3/6/22 10:51
Tetrachloro-m-xylene [2]	**25.1**	*	30-150	S-19	3/6/22 10:51

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1544

Date Received: 2/24/2022

Field Sample #: PCB-47B | Sampled: 2/22/2022 14:10

Sample ID: 22B1544-05

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/9/22 23:39	TG
Aroclor-1221 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/9/22 23:39	TG
Aroclor-1232 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/9/22 23:39	TG
Aroclor-1242 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/9/22 23:39	TG
Aroclor-1248 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/9/22 23:39	TG
Aroclor-1254 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/9/22 23:39	TG
Aroclor-1260 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/9/22 23:39	TG
Aroclor-1262 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/9/22 23:39	TG
Aroclor-1268 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/9/22 23:39	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		3/9/22 23:39
Decachlorobiphenyl [2]	93.1	30-150		3/9/22 23:39
Tetrachloro-m-xylene [1]	48.3	30-150		3/9/22 23:39
Tetrachloro-m-xylene [2]	45.5	30-150		3/9/22 23:39

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1544

Date Received: 2/24/2022

Field Sample #: PCB-47C | Sampled: 2/22/2022 14:30

Sample ID: 22B1544-06

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/9/22 23:57	TG
Aroclor-1221 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/9/22 23:57	TG
Aroclor-1232 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/9/22 23:57	TG
Aroclor-1242 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/9/22 23:57	TG
Aroclor-1248 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/9/22 23:57	TG
Aroclor-1254 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/9/22 23:57	TG
Aroclor-1260 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/9/22 23:57	TG
Aroclor-1262 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/9/22 23:57	TG
Aroclor-1268 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/9/22 23:57	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.6	30-150		3/9/22 23:57
Decachlorobiphenyl [2]	89.3	30-150		3/9/22 23:57
Tetrachloro-m-xylene [1]	38.1	30-150		3/9/22 23:57
Tetrachloro-m-xylene [2]	36.6	30-150		3/9/22 23:57

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1544

Date Received: 2/24/2022

Field Sample #: PCB-56A | Sampled: 2/22/2022 15:10

Sample ID: 22B1544-07

Sample Matrix: Product/Solid

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:08	JEA
Aroclor-1221 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:08	JEA
Aroclor-1232 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:08	JEA
Aroclor-1242 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:08	JEA
Aroclor-1248 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:08	JEA
Aroclor-1254 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:08	JEA
Aroclor-1260 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:08	JEA
Aroclor-1262 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:08	JEA
Aroclor-1268 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:08	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	3/8/22 21:08
Decachlorobiphenyl [2]	*	30-150	S-01	3/8/22 21:08
Tetrachloro-m-xylene [1]	*	30-150	S-01	3/8/22 21:08
Tetrachloro-m-xylene [2]	*	30-150	S-01	3/8/22 21:08

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1544

Date Received: 2/24/2022

Field Sample #: PCB-56B | Sampled: 2/22/2022 15:12

Sample ID: 22B1544-08

Sample Matrix: Product/Solid

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:25	JEA
Aroclor-1221 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:25	JEA
Aroclor-1232 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:25	JEA
Aroclor-1242 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:25	JEA
Aroclor-1248 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:25	JEA
Aroclor-1254 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:25	JEA
Aroclor-1260 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:25	JEA
Aroclor-1262 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:25	JEA
Aroclor-1268 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:25	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	3/8/22 21:25
Decachlorobiphenyl [2]	*	30-150	S-01	3/8/22 21:25
Tetrachloro-m-xylene [1]	*	30-150	S-01	3/8/22 21:25
Tetrachloro-m-xylene [2]	*	30-150	S-01	3/8/22 21:25

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1544

Date Received: 2/24/2022

Field Sample #: PCB-56C | Sampled: 2/22/2022 15:20

Sample ID: 22B1544-09

Sample Matrix: Product/Solid

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:42	JEA
Aroclor-1221 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:42	JEA
Aroclor-1232 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:42	JEA
Aroclor-1242 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:42	JEA
Aroclor-1248 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:42	JEA
Aroclor-1254 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:42	JEA
Aroclor-1260 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:42	JEA
Aroclor-1262 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:42	JEA
Aroclor-1268 [1]	ND	2.5	mg/Kg	25		SW-846 8082A	3/2/22	3/8/22 21:42	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	3/8/22 21:42
Decachlorobiphenyl [2]	*	30-150	S-01	3/8/22 21:42
Tetrachloro-m-xylene [1]	*	30-150	S-01	3/8/22 21:42
Tetrachloro-m-xylene [2]	*	30-150	S-01	3/8/22 21:42

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1544

Date Received: 2/24/2022

Field Sample #: PCB-62A | Sampled: 2/22/2022 14:37

Sample ID: 22B1544-10

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 14:18	JEA
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 14:18	JEA
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 14:18	JEA
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 14:18	JEA
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 14:18	JEA
Aroclor-1254 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 14:18	JEA
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 14:18	JEA
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 14:18	JEA
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 14:18	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.3	30-150		3/6/22 14:18
Decachlorobiphenyl [2]	74.2	30-150		3/6/22 14:18
Tetrachloro-m-xylene [1]	62.1	30-150		3/6/22 14:18
Tetrachloro-m-xylene [2]	58.7	30-150		3/6/22 14:18

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1544

Date Received: 2/24/2022

Field Sample #: PCB-62B | Sampled: 2/22/2022 14:42

Sample ID: 22B1544-11

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 14:36	JEA
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 14:36	JEA
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 14:36	JEA
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 14:36	JEA
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 14:36	JEA
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 14:36	JEA
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 14:36	JEA
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 14:36	JEA
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 14:36	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.1	30-150		3/6/22 14:36
Decachlorobiphenyl [2]	67.4	30-150		3/6/22 14:36
Tetrachloro-m-xylene [1]	60.2	30-150		3/6/22 14:36
Tetrachloro-m-xylene [2]	57.0	30-150		3/6/22 14:36

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1544

Date Received: 2/24/2022

Field Sample #: PCB-62C | Sampled: 2/22/2022 14:46

Sample ID: 22B1544-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 14:53	JEA
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 14:53	JEA
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 14:53	JEA
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 14:53	JEA
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 14:53	JEA
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 14:53	JEA
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 14:53	JEA
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 14:53	JEA
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 14:53	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.5	30-150		3/6/22 14:53
Decachlorobiphenyl [2]	86.3	30-150		3/6/22 14:53
Tetrachloro-m-xylene [1]	53.3	30-150		3/6/22 14:53
Tetrachloro-m-xylene [2]	53.3	30-150		3/6/22 14:53

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1544

Date Received: 2/24/2022

Field Sample #: PCB-64A | Sampled: 2/22/2022 13:41

Sample ID: 22B1544-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:11	JEA
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:11	JEA
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:11	JEA
Aroclor-1242 [2]	0.25	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:11	JEA
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:11	JEA
Aroclor-1254 [2]	0.20	0.10	mg/Kg	1	P-01	SW-846 8082A	3/2/22	3/6/22 15:11	JEA
Aroclor-1260 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:11	JEA
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:11	JEA
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:11	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	51.3	30-150		3/6/22 15:11
Decachlorobiphenyl [2]	60.7	30-150		3/6/22 15:11
Tetrachloro-m-xylene [1]	42.3	30-150		3/6/22 15:11
Tetrachloro-m-xylene [2]	43.1	30-150		3/6/22 15:11

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1544

Date Received: 2/24/2022

Field Sample #: PCB-64B | Sampled: 2/22/2022 13:45

Sample ID: 22B1544-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:29	JEA
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:29	JEA
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:29	JEA
Aroclor-1242 [2]	0.24	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:29	JEA
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:29	JEA
Aroclor-1254 [2]	0.18	0.10	mg/Kg	1	P-01	SW-846 8082A	3/2/22	3/6/22 15:29	JEA
Aroclor-1260 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:29	JEA
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:29	JEA
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:29	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	50.8	30-150		3/6/22 15:29
Decachlorobiphenyl [2]	60.9	30-150		3/6/22 15:29
Tetrachloro-m-xylene [1]	41.4	30-150		3/6/22 15:29
Tetrachloro-m-xylene [2]	43.1	30-150		3/6/22 15:29

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1544

Date Received: 2/24/2022

Field Sample #: PCB-64C | Sampled: 2/22/2022 13:50

Sample ID: 22B1544-15

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:46	JEA
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:46	JEA
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:46	JEA
Aroclor-1242 [2]	0.35	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:46	JEA
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:46	JEA
Aroclor-1254 [2]	0.20	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:46	JEA
Aroclor-1260 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:46	JEA
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:46	JEA
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/2/22	3/6/22 15:46	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	59.9	30-150		3/6/22 15:46
Decachlorobiphenyl [2]	72.7	30-150		3/6/22 15:46
Tetrachloro-m-xylene [1]	56.8	30-150		3/6/22 15:46
Tetrachloro-m-xylene [2]	59.3	30-150		3/6/22 15:46

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Project Location: 250 Main St., Burlington, VT Sample Description: Work Order: 22B1544

Date Received: 2/24/2022

Field Sample #: PCB-65A Sampled: 2/22/2022 14:00

Sample ID: 22B1544-16

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/7/22	3/10/22 0:15	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/7/22	3/10/22 0:15	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/7/22	3/10/22 0:15	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/7/22	3/10/22 0:15	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/7/22	3/10/22 0:15	TG
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/7/22	3/10/22 0:15	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/7/22	3/10/22 0:15	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/7/22	3/10/22 0:15	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/7/22	3/10/22 0:15	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.3	30-150		3/10/22 0:15
Decachlorobiphenyl [2]	82.3	30-150		3/10/22 0:15
Tetrachloro-m-xylene [1]	35.6	30-150		3/10/22 0:15
Tetrachloro-m-xylene [2]	33.9	30-150		3/10/22 0:15

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Project Location: 250 Main St., Burlington, VT Sample Description: Work Order: 22B1544

Date Received: 2/24/2022

Field Sample #: PCB-65B Sampled: 2/22/2022 14:08

Sample ID: 22B1544-17

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 16:22	JEA
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 16:22	JEA
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 16:22	JEA
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 16:22	JEA
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 16:22	JEA
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 16:22	JEA
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 16:22	JEA
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 16:22	JEA
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/2/22	3/6/22 16:22	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	45.9	30-150		3/6/22 16:22
Decachlorobiphenyl [2]	51.3	30-150		3/6/22 16:22
Tetrachloro-m-xylene [1]	50.5	30-150		3/6/22 16:22
Tetrachloro-m-xylene [2]	47.5	30-150		3/6/22 16:22

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1544

Date Received: 2/24/2022

Field Sample #: PCB-65C | Sampled: 2/22/2022 14:15

Sample ID: 22B1544-18

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/10/22 0:33	TG
Aroclor-1221 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/10/22 0:33	TG
Aroclor-1232 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/10/22 0:33	TG
Aroclor-1242 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/10/22 0:33	TG
Aroclor-1248 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/10/22 0:33	TG
Aroclor-1254 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/10/22 0:33	TG
Aroclor-1260 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/10/22 0:33	TG
Aroclor-1262 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/10/22 0:33	TG
Aroclor-1268 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/7/22	3/10/22 0:33	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		3/10/22 0:33
Decachlorobiphenyl [2]	92.7	30-150		3/10/22 0:33
Tetrachloro-m-xylene [1]	38.3	30-150		3/10/22 0:33
Tetrachloro-m-xylene [2]	36.5	30-150		3/10/22 0:33

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Sample Extraction Data

Prep Method: SW-846 3540C **Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
22B1544-01 [PCB-35A]	B302430	0.504	10.0	03/03/22
22B1544-02 [PCB-35B]	B302430	0.507	10.0	03/03/22
22B1544-03 [PCB-35C]	B302430	0.508	10.0	03/03/22

Prep Method: SW-846 3540C **Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
22B1544-05RE1 [PCB-47B]	B302661	0.502	10.0	03/07/22
22B1544-06RE1 [PCB-47C]	B302661	0.502	10.0	03/07/22
22B1544-16RE1 [PCB-65A]	B302661	0.506	10.0	03/07/22
22B1544-18RE1 [PCB-65C]	B302661	0.500	10.0	03/07/22

Prep Method: SW-846 3540C **Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
22B1544-04 [PCB-47A]	B302335	2.00	10.0	03/02/22
22B1544-07 [PCB-56A]	B302335	2.00	10.0	03/02/22
22B1544-08 [PCB-56B]	B302335	2.00	10.0	03/02/22
22B1544-09 [PCB-56C]	B302335	2.00	10.0	03/02/22
22B1544-10 [PCB-62A]	B302335	2.04	10.0	03/02/22
22B1544-11 [PCB-62B]	B302335	2.00	10.0	03/02/22
22B1544-12 [PCB-62C]	B302335	2.04	10.0	03/02/22
22B1544-13 [PCB-64A]	B302335	2.01	10.0	03/02/22
22B1544-14 [PCB-64B]	B302335	2.00	10.0	03/02/22
22B1544-15 [PCB-64C]	B302335	2.00	10.0	03/02/22
22B1544-17 [PCB-65B]	B302335	2.00	10.0	03/02/22

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B302335 - SW-846 3540C										
Blank (B302335-BLK1)				Prepared: 03/02/22 Analyzed: 03/06/22						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.919*		mg/Kg	1.00		91.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.876*		mg/Kg	1.00		87.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.614*		mg/Kg	1.00		61.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.615*		mg/Kg	1.00		61.5	30-150			
LCS (B302335-BS1)				Prepared: 03/02/22 Analyzed: 03/06/22						
Aroclor-1016	0.55	0.10	mg/Kg	1.00		54.6	40-140			
Aroclor-1016 [2C]	0.59	0.10	mg/Kg	1.00		58.9	40-140			
Aroclor-1260	0.69	0.10	mg/Kg	1.00		69.1	40-140			
Aroclor-1260 [2C]	0.61	0.10	mg/Kg	1.00		60.6	40-140			
Surrogate: Decachlorobiphenyl	*0.840*		mg/Kg	1.00		84.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.836*		mg/Kg	1.00		83.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.595*		mg/Kg	1.00		59.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.605*		mg/Kg	1.00		60.5	30-150			
LCS Dup (B302335-BSD1)				Prepared: 03/02/22 Analyzed: 03/06/22						
Aroclor-1016	0.62	0.10	mg/Kg	1.00		62.2	40-140	12.9	30	
Aroclor-1016 [2C]	0.69	0.10	mg/Kg	1.00		69.0	40-140	15.8	30	
Aroclor-1260	0.77	0.10	mg/Kg	1.00		77.3	40-140	11.2	30	
Aroclor-1260 [2C]	0.65	0.10	mg/Kg	1.00		65.2	40-140	7.44	30	
Surrogate: Decachlorobiphenyl	*0.798*		mg/Kg	1.00		79.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.823*		mg/Kg	1.00		82.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.665*		mg/Kg	1.00		66.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.682*		mg/Kg	1.00		68.2	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B302335 - SW-846 3540C											
Matrix Spike (B302335-MS1)	**Source: 22B1544-04**			Prepared: 03/02/22 Analyzed: 03/06/22							
Aroclor-1016	3.9	1.0	mg/Kg	1.00	ND	**389**	*	40-140			MS-21
Aroclor-1016 [2C]	6.4	1.0	mg/Kg	1.00	ND	**638**	*	40-140			MS-21
Aroclor-1260	2.8	1.0	mg/Kg	1.00	ND	**280**	*	40-140			MS-21
Aroclor-1260 [2C]	2.5	1.0	mg/Kg	1.00	ND	**253**	*	40-140			MS-21
Surrogate: Decachlorobiphenyl	*0.217*		mg/Kg	1.00		**21.7**	*	30-150			S-19
Surrogate: Decachlorobiphenyl [2C]	*0.225*		mg/Kg	1.00		**22.5**	*	30-150			S-19
Surrogate: Tetrachloro-m-xylene	*0.221*		mg/Kg	1.00		**22.1**	*	30-150			S-19
Surrogate: Tetrachloro-m-xylene [2C]	*0.223*		mg/Kg	1.00		**22.3**	*	30-150			S-19
Matrix Spike Dup (B302335-MSD1)	**Source: 22B1544-04**			Prepared: 03/02/22 Analyzed: 03/06/22							
Aroclor-1016	3.2	1.0	mg/Kg	1.00	ND	**322**	*	40-140	19.0	50	MS-21
Aroclor-1016 [2C]	5.1	1.0	mg/Kg	1.00	ND	**511**	*	40-140	22.1	50	MS-21
Aroclor-1260	2.2	1.0	mg/Kg	1.00	ND	**216**	*	40-140	25.9	50	MS-21
Aroclor-1260 [2C]	1.8	1.0	mg/Kg	1.00	ND	**184**	*	40-140	31.7	50	MS-21
Surrogate: Decachlorobiphenyl	*0.157*		mg/Kg	1.00		**15.7**	*	30-150			S-19
Surrogate: Decachlorobiphenyl [2C]	*0.160*		mg/Kg	1.00		**16.0**	*	30-150			S-19
Surrogate: Tetrachloro-m-xylene	*0.181*		mg/Kg	1.00		**18.1**	*	30-150			S-19
Surrogate: Tetrachloro-m-xylene [2C]	*0.182*		mg/Kg	1.00		**18.2**	*	30-150			S-19
Batch B302430 - SW-846 3540C											
Blank (B302430-BLK1)				Prepared: 03/03/22 Analyzed: 03/07/22							
Aroclor-1016	ND	0.20	mg/Kg								
Aroclor-1016 [2C]	ND	0.20	mg/Kg								
Aroclor-1221	ND	0.20	mg/Kg								
Aroclor-1221 [2C]	ND	0.20	mg/Kg								
Aroclor-1232	ND	0.20	mg/Kg								
Aroclor-1232 [2C]	ND	0.20	mg/Kg								
Aroclor-1242	ND	0.20	mg/Kg								
Aroclor-1242 [2C]	ND	0.20	mg/Kg								
Aroclor-1248	ND	0.20	mg/Kg								
Aroclor-1248 [2C]	ND	0.20	mg/Kg								
Aroclor-1254	ND	0.20	mg/Kg								
Aroclor-1254 [2C]	ND	0.20	mg/Kg								
Aroclor-1260	ND	0.20	mg/Kg								
Aroclor-1260 [2C]	ND	0.20	mg/Kg								
Aroclor-1262	ND	0.20	mg/Kg								
Aroclor-1262 [2C]	ND	0.20	mg/Kg								
Aroclor-1268	ND	0.20	mg/Kg								
Aroclor-1268 [2C]	ND	0.20	mg/Kg								
Surrogate: Decachlorobiphenyl	*3.08*		mg/Kg	3.97		77.5		30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.45*		mg/Kg	3.97		86.8		30-150			
Surrogate: Tetrachloro-m-xylene	*2.99*		mg/Kg	3.97		75.3		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.20*		mg/Kg	3.97		80.6		30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B302430 - SW-846 3540C										
LCS (B302430-BS1)				Prepared: 03/03/22 Analyzed: 03/07/22						
Aroclor-1016	2.5	0.20	mg/Kg	3.98		61.9	40-140			
Aroclor-1016 [2C]	2.7	0.20	mg/Kg	3.98		68.2	40-140			
Aroclor-1260	2.4	0.20	mg/Kg	3.98		61.6	40-140			
Aroclor-1260 [2C]	2.7	0.20	mg/Kg	3.98		69.0	40-140			
Surrogate: Decachlorobiphenyl	*3.00*		mg/Kg	3.98		75.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.32*		mg/Kg	3.98		83.5	30-150			
Surrogate: Tetrachloro-m-xylene	*2.86*		mg/Kg	3.98		72.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.04*		mg/Kg	3.98		76.6	30-150			
LCS Dup (B302430-BSD1)				Prepared: 03/03/22 Analyzed: 03/07/22						
Aroclor-1016	2.1	0.20	mg/Kg	3.99		53.6	40-140	14.0	30	
Aroclor-1016 [2C]	2.4	0.20	mg/Kg	3.99		59.1	40-140	14.0	30	
Aroclor-1260	2.2	0.20	mg/Kg	3.99		55.5	40-140	10.1	30	
Aroclor-1260 [2C]	2.4	0.20	mg/Kg	3.99		61.2	40-140	11.7	30	
Surrogate: Decachlorobiphenyl	*2.86*		mg/Kg	3.99		71.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.13*		mg/Kg	3.99		78.6	30-150			
Surrogate: Tetrachloro-m-xylene	*2.67*		mg/Kg	3.99		66.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.80*		mg/Kg	3.99		70.3	30-150			
Batch B302661 - SW-846 3540C										
Blank (B302661-BLK1)				Prepared: 03/07/22 Analyzed: 03/09/22						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*4.55*		mg/Kg	3.98		114	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.98*		mg/Kg	3.98		99.9	30-150			
Surrogate: Tetrachloro-m-xylene	*3.76*		mg/Kg	3.98		94.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.38*		mg/Kg	3.98		84.9	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B302661 - SW-846 3540C										
LCS (B302661-BS1)				Prepared: 03/07/22 Analyzed: 03/09/22						
Aroclor-1016	3.4	0.20	mg/Kg	3.98		84.5	40-140			
Aroclor-1016 [2C]	3.1	0.20	mg/Kg	3.98		77.9	40-140			
Aroclor-1260	3.8	0.20	mg/Kg	3.98		94.2	40-140			
Aroclor-1260 [2C]	3.4	0.20	mg/Kg	3.98		84.2	40-140			
Surrogate: Decachlorobiphenyl	*4.60*		mg/Kg	3.98		115	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.03*		mg/Kg	3.98		101	30-150			
Surrogate: Tetrachloro-m-xylene	*3.56*		mg/Kg	3.98		89.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.20*		mg/Kg	3.98		80.4	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

PCB-47A

Lab Sample ID: 22B1544-04

Date(s) Analyzed: 03/06/2022 03/06/2022

Instrument ID (1): ECD4

Instrument ID (2): ECD4

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	8.0	
	2	0.000	0.000	0.000	9.7	19.2
Aroclor-1254	1	0.000	0.000	0.000	11	
	2	0.000	0.000	0.000	13	16.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

PCB-64A

Lab Sample ID: 22B1544-13

Date(s) Analyzed: 03/06/2022 03/06/2022

Instrument ID (1): ECD4

Instrument ID (2): ECD4

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	0.19	
	2	0.000	0.000	0.000	0.25	27.3
Aroclor-1254	1	0.000	0.000	0.000	0.11	
	2	0.000	0.000	0.000	0.20	58.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

PCB-64B

Lab Sample ID: 22B1544-14 Date(s) Analyzed: 03/06/2022 03/06/2022

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	0.17	
	2	0.000	0.000	0.000	0.24	34.1
Aroclor-1254	1	0.000	0.000	0.000	0.11	
	2	0.000	0.000	0.000	0.18	48.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

PCB-64C

Lab Sample ID: 22B1544-15

Date(s) Analyzed: 03/06/2022 03/06/2022

Instrument ID (1): ECD4

Instrument ID (2): ECD4

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1242	1	0.000	0.000	0.000	0.25	
	2	0.000	0.000	0.000	0.35	33.3
Aroclor-1254	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.20	35.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B302335-BS1 Date(s) Analyzed: 03/06/2022 03/06/2022

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.55	
	2	0.000	0.000	0.000	0.59	7.0
Aroclor-1260	1	0.000	0.000	0.000	0.69	
	2	0.000	0.000	0.000	0.61	12.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B302335-BSD1 Date(s) Analyzed: 03/06/2022 03/06/2022

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.62	
	2	0.000	0.000	0.000	0.69	10.7
Aroclor-1260	1	0.000	0.000	0.000	0.77	
	2	0.000	0.000	0.000	0.65	16.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B302335-MS1 Date(s) Analyzed: 03/06/2022 03/06/2022

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	3.9	
	2	0.000	0.000	0.000	6.4	48.5
Aroclor-1260	1	0.000	0.000	0.000	2.8	
	2	0.000	0.000	0.000	2.5	11.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B302335-MSD1 Date(s) Analyzed: 03/06/2022 03/06/2022

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	3.2	
	2	0.000	0.000	0.000	5.1	45.8
Aroclor-1260	1	0.000	0.000	0.000	2.2	
	2	0.000	0.000	0.000	1.8	20.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B302430-BS1 Date(s) Analyzed: 03/07/2022 03/07/2022

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	2.5	
	2	0.000	0.000	0.000	2.7	7.7
Aroclor-1260	1	0.000	0.000	0.000	2.4	
	2	0.000	0.000	0.000	2.7	7.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B302430-BSD1 Date(s) Analyzed: 03/07/2022 03/07/2022

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	2.1	
	2	0.000	0.000	0.000	2.4	13.3
Aroclor-1260	1	0.000	0.000	0.000	2.2	
	2	0.000	0.000	0.000	2.4	8.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B302661-BS1 Date(s) Analyzed: 03/09/2022 03/09/2022

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	3.4	
	2	0.000	0.000	0.000	3.1	9.2
Aroclor-1260	1	0.000	0.000	0.000	3.8	
	2	0.000	0.000	0.000	3.4	11.1

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
DL-03	Elevated reporting limit due to matrix interference.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
O-27	Elevated reporting limit due to sample matrix interference. Multiple extract clean-up procedures were performed on this sample, but they did not sufficiently remove the interference to meet the requested reporting limit.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
S-19	Surrogate recovery is outside of control limits, matrix interference suspected. Reanalysis yielded similar surrogate non-conformance.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1262	NY,NC,VA,PA
Aroclor-1262 [2C]	NY,NC,VA,PA
Aroclor-1268	NY,NC,VA,PA
Aroclor-1268 [2C]	NY,NC,VA,PA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1262	NY,NC,VA,PA
Aroclor-1262 [2C]	NY,NC,VA,PA
Aroclor-1268	NY,NC,VA,PA
Aroclor-1268 [2C]	NY,NC,VA,PA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

22B1544

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 2_06262019

Company Name: Atlas Technical Consultants
Address: 51 Knight Lane Williston VT
Phone: 802 1980
Project Name: Memorial Auditorium
Project Location: 250 Main St. Burl. VT
Project Number: 280BS02380
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: JA NA HM JS

Requested Turnaround Time:
7-Day ☐ 10-Day ☒
PFAS 10-Day (std) ☐ Due Date:

Preservation Surcharge:
○ Field Filtered
○ Lab to Filter

Rush Surcharge Required:
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Preservation Surcharge:
○ Field Filtered
○ Lab to Filter

Data Delivery:
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: Rob.Montgomery@oneatlas.com
Fax To #:

ANALYSIS REQUESTED

EPA SW846 8082

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE
1	PCB-35 A	2/24/22	1430	Grab	O	U		1			
2	B		1445								
3	C		1510								
4	PCB-47 A		1350								
5	B		1410								
6	C		1430								
7	PCB-56 A		1510								
8	B		1512								
9	C		1520								

X

[2] Preservation Code

Lab Use Only
Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define) Bulk

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

	Date/Time:
Relinquished by: (signature)	2/25/22 12a
Received by: (signature)	2-24-22 9:40 am
Relinquished by: (signature)	2-24-22
Received by: (signature) 10:00	2-24-22
Relinquished by: (signature) 14:55	2-24-22
Received by: (signature) 20 2/24/22 1455	
Relinquished by: (signature)	
Received by: (signature)	

Client Comments:

Laboratory Comments:
MA 9:40 am

Special Requirements:
☐ MA MCP Required
☐ MCP Certification Form Required
☐ CT RCP Required
☐ RCP Certification Form Required
☐ ME State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
X Soxhlet
☐ Non Soxhlet

Comments:

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

Table of Contents

22B1544

con-test ANALYTICAL LABORATORY

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Fax: 413-525-6405
Email: info@contestlabs.com
http://www.contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 2_06262019

Page 5 of 9

Company Name: Atlas Technical Consultants
Address: 51 Knight Lane Williston VT
Phone: 862 1980
Project Name: Memorial Auditorium
Project Location: 250 main St. Burl. VT
Project Number: 280BS02380
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: JA NA HM JS

Requested Turnaround Time: 7-Day ☐ 10-Day ☒ PFAS 10-Day (std) ☐ Due Date:
Rush-Approval Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐
Dissolved Metals Samples: ○ Field Filtered ○ Lab to Filter
Orthophosphate Samples: ○ Field Filtered ○ Lab to Filter
Data Delivery: Format: PDF X EXCEL X
Other:
CLP Like Data Pkg Required: ☐
Email To: Rob.Montgomery@oneatlas.com
Fax To #:

ANALYSIS REQUESTED: EPA 5W3846 8082

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	EPA 5W3846 8082
10	PCB-62 A	2/22/22	1437	Grab	O	U		1				X
11	↓ B	↓	1442	↓	↓	↓		↓				↓
12	↓ C	↓	1446	↓	↓	↓		↓				↓
13	PCB-64 A	↓	1341	↓	↓	↓		↓				↓
14	↓ B	↓	1345	↓	↓	↓		↓				↓
15	↓ C	↓	1350	↓	↓	↓		↓				↓
16	PCB-65 A	↓	1400	↓	↓	↓		↓				↓
17	↓ B	↓	1408	↓	↓	↓		↓				↓
18	↓ C	↓	1415	↓	↓	↓		↓				↓

Signature	Date/Time
Relinquished by: (signature) [signature]	2/23/22 1200
Received by: (signature) [signature]	2/24/22
Relinquished by: (signature) [signature]	2/24/22
Received by: (signature) [signature] 10:00	2-24-22
Relinquished by: (signature) [signature] 14:55	2-24-22
Received by: (signature) [signature] 20	2/24/22 1455
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments: 9:40am

Detection Limit Requirements: MA 9:40am

Special Requirements: ☐ MA MCP Required; MCP Certification Form Required; ☐ CT RCP Required; RCP Certification Form Required; ☐ MA State DW Required; PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity: Government ☐ Federal ☐ City ☐ Municipality ☐ 21 J ☐ Brownfield ☐ MWRA ☐ School ☐ MBTA ☐ WRTA ☐

Other: ☐ Chromatogram ☐ AIHA-LAP,LLC

PCB ONLY: X Soxhlet ☐ Non Soxhlet

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS____
GLASS____
PLASTIC____
BACTERIA____
ENCORE____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define) Bulk

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Comments:

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I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client ATC

Received By _____ Date 2/24/22 Time 1455

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____ Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 2.0 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? n/a Were Samples Tampered with? n/a

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? n/a MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? Acid n/a Base n/a

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	18
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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March 10, 2022

Rob Montgomery
ATC Group Services LLC - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495

Project Location: 250 Main St., Burlington, VT
Client Job Number:
Project Number: 280BS02380
Laboratory Work Order Number: 22B1545

Enclosed are results of analyses for samples as received by the laboratory on February 24, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kaitlyn A. Feliciano
Project Manager

Table of Contents

Table of Contents (continued)

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ATC Group Services LLC - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495
ATTN: Rob Montgomery

REPORT DATE: 3/10/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS02380

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22B1545

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 250 Main St., Burlington, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
PCB-68A	22B1545-01	Caulk		SW-846 8082A	
PCB-68B	22B1545-02	Caulk		SW-846 8082A	
PCB-68C	22B1545-03	Caulk		SW-846 8082A	
PCB-81A	22B1545-04	Product/Solid		SW-846 8082A	
PCB-81B	22B1545-05	Product/Solid		SW-846 8082A	
PCB-81C	22B1545-06	Product/Solid		SW-846 8082A	
PCB-85A	22B1545-07	Caulk		SW-846 8082A	
PCB-85B	22B1545-08	Caulk		SW-846 8082A	
PCB-85C	22B1545-09	Caulk		SW-846 8082A	
PCB-90A	22B1545-10	Caulk		SW-846 8082A	
PCB-90B	22B1545-11	Caulk		SW-846 8082A	
PCB-90C	22B1545-12	Caulk		SW-846 8082A	
PCB-91A	22B1545-13	Caulk		SW-846 8082A	
PCB-91B	22B1545-14	Caulk		SW-846 8082A	
PCB-91C	22B1545-15	Caulk		SW-846 8082A	
PCB-92A	22B1545-16	Caulk		SW-846 8082A	
PCB-92B	22B1545-17	Caulk		SW-846 8082A	
PCB-92C	22B1545-18	Caulk		SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

O-27

Elevated reporting limit due to sample matrix interference. Multiple extract clean-up procedures were performed on this sample, but they did not sufficiently remove the interference to meet the requested reporting limit.

Analyte & Samples(s) Qualified:

22B1545-04[PCB-81A]

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl
22B1545-04[PCB-81A]

Decachlorobiphenyl [2C]
22B1545-04[PCB-81A]

Tetrachloro-m-xylene
22B1545-04[PCB-81A]

Tetrachloro-m-xylene [2C]
22B1545-04[PCB-81A]

S-19

Surrogate recovery is outside of control limits, matrix interference suspected. Reanalysis yielded similar surrogate non-conformance.

Analyte & Samples(s) Qualified:

Tetrachloro-m-xylene
22B1545-16[PCB-92A], 22B1545-16RE1[PCB-92A]

Tetrachloro-m-xylene [2C]
22B1545-16[PCB-92A], 22B1545-16RE1[PCB-92A]

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1545

Date Received: 2/24/2022

Field Sample #: PCB-68A | Sampled: 2/22/2022 13:22

Sample ID: 22B1545-01

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:45	TG
Aroclor-1221 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:45	TG
Aroclor-1232 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:45	TG
Aroclor-1242 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:45	TG
Aroclor-1248 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:45	TG
Aroclor-1254 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:45	TG
Aroclor-1260 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:45	TG
Aroclor-1262 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:45	TG
Aroclor-1268 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/7/22 23:45	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.9	30-150		3/7/22 23:45
Decachlorobiphenyl [2]	73.6	30-150		3/7/22 23:45
Tetrachloro-m-xylene [1]	78.4	30-150		3/7/22 23:45
Tetrachloro-m-xylene [2]	77.3	30-150		3/7/22 23:45

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1545

Date Received: 2/24/2022

Field Sample #: PCB-68B | Sampled: 2/22/2022 13:28

Sample ID: 22B1545-02

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:02	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:02	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:02	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:02	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:02	TG
Aroclor-1254 [2]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:02	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:02	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:02	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:02	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	67.2	30-150		3/8/22	0:02
Decachlorobiphenyl [2]	66.6	30-150		3/8/22	0:02
Tetrachloro-m-xylene [1]	76.2	30-150		3/8/22	0:02
Tetrachloro-m-xylene [2]	70.2	30-150		3/8/22	0:02

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1545

Date Received: 2/24/2022

Field Sample #: PCB-68C | Sampled: 2/22/2022 13:33

Sample ID: 22B1545-03

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:20	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:20	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:20	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:20	TG
Aroclor-1248 [2]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:20	TG
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:20	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:20	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:20	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:20	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	64.6	30-150		3/8/22 0:20
Decachlorobiphenyl [2]	62.5	30-150		3/8/22 0:20
Tetrachloro-m-xylene [1]	70.8	30-150		3/8/22 0:20
Tetrachloro-m-xylene [2]	63.4	30-150		3/8/22 0:20

con-test® A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1545

Date Received: 2/24/2022

Field Sample #: PCB-81A | Sampled: 2/22/2022 15:28

Sample ID: 22B1545-04

Sample Matrix: Product/Solid

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/3/22	3/7/22 14:05	JEA
Aroclor-1221 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/3/22	3/7/22 14:05	JEA
Aroclor-1232 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/3/22	3/7/22 14:05	JEA
Aroclor-1242 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/3/22	3/7/22 14:05	JEA
Aroclor-1248 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/3/22	3/7/22 14:05	JEA
Aroclor-1254 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/3/22	3/7/22 14:05	JEA
Aroclor-1260 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/3/22	3/7/22 14:05	JEA
Aroclor-1262 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/3/22	3/7/22 14:05	JEA
Aroclor-1268 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/3/22	3/7/22 14:05	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	3/7/22 14:05
Decachlorobiphenyl [2]	*	30-150	S-01	3/7/22 14:05
Tetrachloro-m-xylene [1]	*	30-150	S-01	3/7/22 14:05
Tetrachloro-m-xylene [2]	*	30-150	S-01	3/7/22 14:05

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1545

Date Received: 2/24/2022

Field Sample #: PCB-81B | Sampled: 2/22/2022 15:31

Sample ID: 22B1545-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/3/22	3/7/22 11:42	JEA
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/3/22	3/7/22 11:42	JEA
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/3/22	3/7/22 11:42	JEA
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/3/22	3/7/22 11:42	JEA
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/3/22	3/7/22 11:42	JEA
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/3/22	3/7/22 11:42	JEA
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/3/22	3/7/22 11:42	JEA
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/3/22	3/7/22 11:42	JEA
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/3/22	3/7/22 11:42	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.9	30-150		3/7/22 11:42
Decachlorobiphenyl [2]	62.9	30-150		3/7/22 11:42
Tetrachloro-m-xylene [1]	60.7	30-150		3/7/22 11:42
Tetrachloro-m-xylene [2]	54.3	30-150		3/7/22 11:42

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1545

Date Received: 2/24/2022

Field Sample #: PCB-81C | Sampled: 2/22/2022 15:37

Sample ID: 22B1545-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	3/3/22	3/7/22 12:00	JEA
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	3/3/22	3/7/22 12:00	JEA
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	3/3/22	3/7/22 12:00	JEA
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	3/3/22	3/7/22 12:00	JEA
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	3/3/22	3/7/22 12:00	JEA
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	3/3/22	3/7/22 12:00	JEA
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	3/3/22	3/7/22 12:00	JEA
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	3/3/22	3/7/22 12:00	JEA
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	3/3/22	3/7/22 12:00	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	67.7	30-150		3/7/22 12:00
Decachlorobiphenyl [2]	61.0	30-150		3/7/22 12:00
Tetrachloro-m-xylene [1]	47.2	30-150		3/7/22 12:00
Tetrachloro-m-xylene [2]	42.9	30-150		3/7/22 12:00

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1545

Date Received: 2/24/2022

Field Sample #: PCB-85A | Sampled: 2/22/2022 14:31

Sample ID: 22B1545-07

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:37	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:37	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:37	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:37	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:37	TG
Aroclor-1254 [1]	2.2	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:37	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:37	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:37	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:37	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.1	30-150		3/8/22 0:37
Decachlorobiphenyl [2]	64.7	30-150		3/8/22 0:37
Tetrachloro-m-xylene [1]	80.1	30-150		3/8/22 0:37
Tetrachloro-m-xylene [2]	76.8	30-150		3/8/22 0:37

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1545

Date Received: 2/24/2022

Field Sample #: PCB-85B | Sampled: 2/22/2022 14:34

Sample ID: 22B1545-08

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:55	TG
Aroclor-1221 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:55	TG
Aroclor-1232 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:55	TG
Aroclor-1242 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:55	TG
Aroclor-1248 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:55	TG
Aroclor-1254 [1]	3.7	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:55	TG
Aroclor-1260 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:55	TG
Aroclor-1262 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:55	TG
Aroclor-1268 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 0:55	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	70.7	30-150		3/8/22 0:55
Decachlorobiphenyl [2]	65.6	30-150		3/8/22 0:55
Tetrachloro-m-xylene [1]	77.9	30-150		3/8/22 0:55
Tetrachloro-m-xylene [2]	77.2	30-150		3/8/22 0:55

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1545

Date Received: 2/24/2022

Field Sample #: PCB-85C | Sampled: 2/22/2022 14:37

Sample ID: 22B1545-09

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 1:12	TG
Aroclor-1221 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 1:12	TG
Aroclor-1232 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 1:12	TG
Aroclor-1242 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 1:12	TG
Aroclor-1248 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 1:12	TG
Aroclor-1254 [1]	0.90	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 1:12	TG
Aroclor-1260 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 1:12	TG
Aroclor-1262 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 1:12	TG
Aroclor-1268 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 1:12	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	71.8	30-150		3/8/22 1:12
Decachlorobiphenyl [2]	65.6	30-150		3/8/22 1:12
Tetrachloro-m-xylene [1]	80.8	30-150		3/8/22 1:12
Tetrachloro-m-xylene [2]	75.2	30-150		3/8/22 1:12

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1545

Date Received: 2/24/2022

Field Sample #: PCB-90A | Sampled: 2/22/2022 14:00

Sample ID: 22B1545-10

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 2:34	TG
Aroclor-1221 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 2:34	TG
Aroclor-1232 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 2:34	TG
Aroclor-1242 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 2:34	TG
Aroclor-1248 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 2:34	TG
Aroclor-1254 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 2:34	TG
Aroclor-1260 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 2:34	TG
Aroclor-1262 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 2:34	TG
Aroclor-1268 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 2:34	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.4	30-150		3/8/22 2:34
Decachlorobiphenyl [2]	72.3	30-150		3/8/22 2:34
Tetrachloro-m-xylene [1]	81.7	30-150		3/8/22 2:34
Tetrachloro-m-xylene [2]	72.1	30-150		3/8/22 2:34

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1545

Date Received: 2/24/2022

Field Sample #: PCB-90B | Sampled: 2/22/2022 14:03

Sample ID: 22B1545-11

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 2:52	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 2:52	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 2:52	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 2:52	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 2:52	TG
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 2:52	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 2:52	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 2:52	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 2:52	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	62.7	30-150		3/8/22	2:52
Decachlorobiphenyl [2]	58.4	30-150		3/8/22	2:52
Tetrachloro-m-xylene [1]	66.3	30-150		3/8/22	2:52
Tetrachloro-m-xylene [2]	58.2	30-150		3/8/22	2:52

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1545

Date Received: 2/24/2022

Field Sample #: PCB-90C | Sampled: 2/22/2022 14:05

Sample ID: 22B1545-12

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:09	TG
Aroclor-1221 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:09	TG
Aroclor-1232 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:09	TG
Aroclor-1242 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:09	TG
Aroclor-1248 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:09	TG
Aroclor-1254 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:09	TG
Aroclor-1260 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:09	TG
Aroclor-1262 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:09	TG
Aroclor-1268 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:09	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	67.2	30-150		3/8/22 3:09
Decachlorobiphenyl [2]	63.1	30-150		3/8/22 3:09
Tetrachloro-m-xylene [1]	72.2	30-150		3/8/22 3:09
Tetrachloro-m-xylene [2]	63.5	30-150		3/8/22 3:09

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1545

Date Received: 2/24/2022

Field Sample #: PCB-91A | Sampled: 2/22/2022 14:07

Sample ID: 22B1545-13

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:27	TG
Aroclor-1221 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:27	TG
Aroclor-1232 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:27	TG
Aroclor-1242 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:27	TG
Aroclor-1248 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:27	TG
Aroclor-1254 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:27	TG
Aroclor-1260 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:27	TG
Aroclor-1262 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:27	TG
Aroclor-1268 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:27	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	59.5	30-150		3/8/22 3:27
Decachlorobiphenyl [2]	57.3	30-150		3/8/22 3:27
Tetrachloro-m-xylene [1]	58.1	30-150		3/8/22 3:27
Tetrachloro-m-xylene [2]	51.5	30-150		3/8/22 3:27

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1545

Date Received: 2/24/2022

Field Sample #: PCB-91B | Sampled: 2/22/2022 14:09

Sample ID: 22B1545-14

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:44	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:44	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:44	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:44	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:44	TG
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:44	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:44	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:44	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 3:44	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	60.5	30-150		3/8/22 3:44
Decachlorobiphenyl [2]	56.2	30-150		3/8/22 3:44
Tetrachloro-m-xylene [1]	58.0	30-150		3/8/22 3:44
Tetrachloro-m-xylene [2]	51.6	30-150		3/8/22 3:44

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1545

Date Received: 2/24/2022

Field Sample #: PCB-91C | Sampled: 2/22/2022 14:13

Sample ID: 22B1545-15

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:02	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:02	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:02	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:02	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:02	TG
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:02	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:02	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:02	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:02	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	59.3	30-150		3/8/22	4:02
Decachlorobiphenyl [2]	53.2	30-150		3/8/22	4:02
Tetrachloro-m-xylene [1]	56.0	30-150		3/8/22	4:02
Tetrachloro-m-xylene [2]	50.1	30-150		3/8/22	4:02

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1545

Date Received: 2/24/2022

Field Sample #: PCB-92A | Sampled: 2/22/2022 14:15

Sample ID: 22B1545-16

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	3/8/22	3/10/22 13:18	TG
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:19	TG
Aroclor-1221 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	3/8/22	3/10/22 13:18	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:19	TG
Aroclor-1232 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	3/8/22	3/10/22 13:18	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:19	TG
Aroclor-1242 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	3/8/22	3/10/22 13:18	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:19	TG
Aroclor-1248 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	3/8/22	3/10/22 13:18	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:19	TG
Aroclor-1254 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	3/8/22	3/10/22 13:18	TG
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:19	TG
Aroclor-1260 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	3/8/22	3/10/22 13:18	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:19	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:19	TG
Aroclor-1262 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	3/8/22	3/10/22 13:18	TG
Aroclor-1268 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	3/8/22	3/10/22 13:18	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:19	TG

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	49.2		30-150		3/10/22 13:18
Decachlorobiphenyl [1]	36.8		30-150		3/8/22 4:19
Decachlorobiphenyl [2]	44.6		30-150		3/10/22 13:18
Decachlorobiphenyl [2]	33.1		30-150		3/8/22 4:19
Tetrachloro-m-xylene [1]	**24.6**	*	30-150	S-19	3/10/22 13:18
Tetrachloro-m-xylene [1]	**22.2**	*	30-150	S-19	3/8/22 4:19
Tetrachloro-m-xylene [2]	**23.9**	*	30-150	S-19	3/10/22 13:18
Tetrachloro-m-xylene [2]	**19.7**	*	30-150	S-19	3/8/22 4:19

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1545

Date Received: 2/24/2022

Field Sample #: PCB-92B | Sampled: 2/22/2022 14:17

Sample ID: 22B1545-17

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:37	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:37	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:37	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:37	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:37	TG
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:37	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:37	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:37	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:37	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	55.3	30-150		3/8/22 4:37
Decachlorobiphenyl [2]	51.7	30-150		3/8/22 4:37
Tetrachloro-m-xylene [1]	39.0	30-150		3/8/22 4:37
Tetrachloro-m-xylene [2]	35.5	30-150		3/8/22 4:37

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1545

Date Received: 2/24/2022

Field Sample #: PCB-92C | Sampled: 2/22/2022 14:19

Sample ID: 22B1545-18

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:54	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:54	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:54	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:54	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:54	TG
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:54	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:54	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:54	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 4:54	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	70.0	30-150		3/8/22 4:54
Decachlorobiphenyl [2]	68.0	30-150		3/8/22 4:54
Tetrachloro-m-xylene [1]	44.1	30-150		3/8/22 4:54
Tetrachloro-m-xylene [2]	40.8	30-150		3/8/22 4:54

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Sample Extraction Data

Prep Method: SW-846 3540C **Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
22B1545-01 [PCB-68A]	B302430	0.503	10.0	03/03/22
22B1545-02 [PCB-68B]	B302430	0.504	10.0	03/03/22
22B1545-03 [PCB-68C]	B302430	0.509	10.0	03/03/22
22B1545-07 [PCB-85A]	B302430	0.504	10.0	03/03/22
22B1545-08 [PCB-85B]	B302430	0.502	10.0	03/03/22
22B1545-09 [PCB-85C]	B302430	0.500	10.0	03/03/22
22B1545-10 [PCB-90A]	B302430	0.500	10.0	03/03/22
22B1545-11 [PCB-90B]	B302430	0.506	10.0	03/03/22
22B1545-12 [PCB-90C]	B302430	0.502	10.0	03/03/22
22B1545-13 [PCB-91A]	B302430	0.501	10.0	03/03/22
22B1545-14 [PCB-91B]	B302430	0.504	10.0	03/03/22
22B1545-15 [PCB-91C]	B302430	0.505	10.0	03/03/22
22B1545-16 [PCB-92A]	B302430	0.506	10.0	03/03/22
22B1545-17 [PCB-92B]	B302430	0.507	10.0	03/03/22
22B1545-18 [PCB-92C]	B302430	0.505	10.0	03/03/22

Prep Method: SW-846 3540C **Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
22B1545-16RE1 [PCB-92A]	B302731	0.518	10.0	03/08/22

Prep Method: SW-846 3540C **Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
22B1545-04 [PCB-81A]	B302387	2.02	10.0	03/03/22
22B1545-05 [PCB-81B]	B302387	2.05	10.0	03/03/22
22B1545-06 [PCB-81C]	B302387	2.09	10.0	03/03/22

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B302387 - SW-846 3540C										
Blank (B302387-BLK1)				Prepared: 03/03/22 Analyzed: 03/07/22						
Aroclor-1016	ND	0.096	mg/Kg							
Aroclor-1016 [2C]	ND	0.096	mg/Kg							
Aroclor-1221	ND	0.096	mg/Kg							
Aroclor-1221 [2C]	ND	0.096	mg/Kg							
Aroclor-1232	ND	0.096	mg/Kg							
Aroclor-1232 [2C]	ND	0.096	mg/Kg							
Aroclor-1242	ND	0.096	mg/Kg							
Aroclor-1242 [2C]	ND	0.096	mg/Kg							
Aroclor-1248	ND	0.096	mg/Kg							
Aroclor-1248 [2C]	ND	0.096	mg/Kg							
Aroclor-1254	ND	0.096	mg/Kg							
Aroclor-1254 [2C]	ND	0.096	mg/Kg							
Aroclor-1260	ND	0.096	mg/Kg							
Aroclor-1260 [2C]	ND	0.096	mg/Kg							
Aroclor-1262	ND	0.096	mg/Kg							
Aroclor-1262 [2C]	ND	0.096	mg/Kg							
Aroclor-1268	ND	0.096	mg/Kg							
Aroclor-1268 [2C]	ND	0.096	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.983*		mg/Kg	0.962		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.843*		mg/Kg	0.962		87.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.895*		mg/Kg	0.962		93.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.781*		mg/Kg	0.962		81.2	30-150			
LCS (B302387-BS1)				Prepared: 03/03/22 Analyzed: 03/07/22						
Aroclor-1016	0.68	0.098	mg/Kg	0.980		69.7	40-140			
Aroclor-1016 [2C]	0.61	0.098	mg/Kg	0.980		62.6	40-140			
Aroclor-1260	0.74	0.098	mg/Kg	0.980		75.8	40-140			
Aroclor-1260 [2C]	0.64	0.098	mg/Kg	0.980		65.8	40-140			
Surrogate: Decachlorobiphenyl	*1.01*		mg/Kg	0.980		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.841*		mg/Kg	0.980		85.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.890*		mg/Kg	0.980		90.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.774*		mg/Kg	0.980		79.0	30-150			
LCS Dup (B302387-BSD1)				Prepared: 03/03/22 Analyzed: 03/07/22						
Aroclor-1016	0.77	0.099	mg/Kg	0.990		77.5	40-140	11.7	30	
Aroclor-1016 [2C]	0.68	0.099	mg/Kg	0.990		68.9	40-140	10.6	30	
Aroclor-1260	0.83	0.099	mg/Kg	0.990		84.0	40-140	11.2	30	
Aroclor-1260 [2C]	0.73	0.099	mg/Kg	0.990		73.7	40-140	12.3	30	
Surrogate: Decachlorobiphenyl	*1.00*		mg/Kg	0.990		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.859*		mg/Kg	0.990		86.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.900*		mg/Kg	0.990		90.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.792*		mg/Kg	0.990		80.0	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B302430 - SW-846 3540C										
Blank (B302430-BLK1)				Prepared: 03/03/22 Analyzed: 03/07/22						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*3.08*		mg/Kg	3.97		77.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.45*		mg/Kg	3.97		86.8	30-150			
Surrogate: Tetrachloro-m-xylene	*2.99*		mg/Kg	3.97		75.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.20*		mg/Kg	3.97		80.6	30-150			
LCS (B302430-BS1)				Prepared: 03/03/22 Analyzed: 03/07/22						
Aroclor-1016	2.5	0.20	mg/Kg	3.98		61.9	40-140			
Aroclor-1016 [2C]	2.7	0.20	mg/Kg	3.98		68.2	40-140			
Aroclor-1260	2.4	0.20	mg/Kg	3.98		61.6	40-140			
Aroclor-1260 [2C]	2.7	0.20	mg/Kg	3.98		69.0	40-140			
Surrogate: Decachlorobiphenyl	*3.00*		mg/Kg	3.98		75.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.32*		mg/Kg	3.98		83.5	30-150			
Surrogate: Tetrachloro-m-xylene	*2.86*		mg/Kg	3.98		72.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.04*		mg/Kg	3.98		76.6	30-150			
LCS Dup (B302430-BSD1)				Prepared: 03/03/22 Analyzed: 03/07/22						
Aroclor-1016	2.1	0.20	mg/Kg	3.99		53.6	40-140	14.0	30	
Aroclor-1016 [2C]	2.4	0.20	mg/Kg	3.99		59.1	40-140	14.0	30	
Aroclor-1260	2.2	0.20	mg/Kg	3.99		55.5	40-140	10.1	30	
Aroclor-1260 [2C]	2.4	0.20	mg/Kg	3.99		61.2	40-140	11.7	30	
Surrogate: Decachlorobiphenyl	*2.86*		mg/Kg	3.99		71.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.13*		mg/Kg	3.99		78.6	30-150			
Surrogate: Tetrachloro-m-xylene	*2.67*		mg/Kg	3.99		66.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.80*		mg/Kg	3.99		70.3	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B302731 - SW-846 3540C										
Blank (B302731-BLK1)				Prepared: 03/08/22 Analyzed: 03/10/22						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*4.23*		mg/Kg	3.94		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.74*		mg/Kg	3.94		95.0	30-150			
Surrogate: Tetrachloro-m-xylene	*3.75*		mg/Kg	3.94		95.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.41*		mg/Kg	3.94		86.7	30-150			
LCS (B302731-BS1)				Prepared: 03/08/22 Analyzed: 03/10/22						
Aroclor-1016	3.2	0.20	mg/Kg	3.95		81.2	40-140			
Aroclor-1016 [2C]	3.0	0.20	mg/Kg	3.95		76.8	40-140			
Aroclor-1260	3.5	0.20	mg/Kg	3.95		89.0	40-140			
Aroclor-1260 [2C]	3.2	0.20	mg/Kg	3.95		81.0	40-140			
Surrogate: Decachlorobiphenyl	*4.22*		mg/Kg	3.95		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.00*		mg/Kg	3.95		101	30-150			
Surrogate: Tetrachloro-m-xylene	*3.60*		mg/Kg	3.95		91.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.32*		mg/Kg	3.95		83.9	30-150			
LCS Dup (B302731-BSD1)				Prepared: 03/08/22 Analyzed: 03/10/22						
Aroclor-1016	3.2	0.20	mg/Kg	3.97		81.7	40-140	1.06	30	
Aroclor-1016 [2C]	3.0	0.20	mg/Kg	3.97		75.5	40-140	1.22	30	
Aroclor-1260	3.5	0.20	mg/Kg	3.97		86.9	40-140	1.87	30	
Aroclor-1260 [2C]	3.1	0.20	mg/Kg	3.97		78.4	40-140	2.79	30	
Surrogate: Decachlorobiphenyl	*4.18*		mg/Kg	3.97		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.65*		mg/Kg	3.97		92.0	30-150			
Surrogate: Tetrachloro-m-xylene	*3.55*		mg/Kg	3.97		89.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.30*		mg/Kg	3.97		83.2	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

PCB-85A

Lab Sample ID: 22B1545-07

Date(s) Analyzed: 03/08/2022 03/08/2022

Instrument ID (1): ECD5

Instrument ID (2): ECD5

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	2.2	
	2	0.000	0.000	0.000	2.1	4.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

PCB-85B

Lab Sample ID: 22B1545-08

Date(s) Analyzed: 03/08/2022 03/08/2022

Instrument ID (1): ECD5

Instrument ID (2): ECD5

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	3.7	
	2	0.000	0.000	0.000	3.2	14.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

PCB-85C

Lab Sample ID: 22B1545-09 Date(s) Analyzed: 03/08/2022 03/08/2022

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.90	
	2	0.000	0.000	0.000	0.88	3.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B302387-BS1 Date(s) Analyzed: 03/07/2022 03/07/2022

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.68	
	2	0.000	0.000	0.000	0.61	10.9
Aroclor-1260	1	0.000	0.000	0.000	0.74	
	2	0.000	0.000	0.000	0.64	14.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B302387-BSD1 Date(s) Analyzed: 03/07/2022 03/07/2022

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.77	
	2	0.000	0.000	0.000	0.68	12.4
Aroclor-1260	1	0.000	0.000	0.000	0.83	
	2	0.000	0.000	0.000	0.73	12.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B302430-BS1 Date(s) Analyzed: 03/07/2022 03/07/2022

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	2.5	
	2	0.000	0.000	0.000	2.7	7.7
Aroclor-1260	1	0.000	0.000	0.000	2.4	
	2	0.000	0.000	0.000	2.7	7.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B302430-BSD1 Date(s) Analyzed: 03/07/2022 03/07/2022

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	2.1	
	2	0.000	0.000	0.000	2.4	13.3
Aroclor-1260	1	0.000	0.000	0.000	2.2	
	2	0.000	0.000	0.000	2.4	8.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B302731-BS1 Date(s) Analyzed: 03/10/2022 03/10/2022

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	3.2	
	2	0.000	0.000	0.000	3.0	6.5
Aroclor-1260	1	0.000	0.000	0.000	3.5	
	2	0.000	0.000	0.000	3.2	9.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B302731-BSD1 Date(s) Analyzed: 03/10/2022 03/10/2022

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	3.2	
	2	0.000	0.000	0.000	3.0	6.5
Aroclor-1260	1	0.000	0.000	0.000	3.5	
	2	0.000	0.000	0.000	3.1	12.1

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-27	Elevated reporting limit due to sample matrix interference. Multiple extract clean-up procedures were performed on this sample, but they did not sufficiently remove the interference to meet the requested reporting limit.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
S-19	Surrogate recovery is outside of control limits, matrix interference suspected. Reanalysis yielded similar surrogate non-conformance.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1262	NY,NC,VA,PA
Aroclor-1262 [2C]	NY,NC,VA,PA
Aroclor-1268	NY,NC,VA,PA
Aroclor-1268 [2C]	NY,NC,VA,PA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1262	NY,NC,VA,PA
Aroclor-1262 [2C]	NY,NC,VA,PA
Aroclor-1268	NY,NC,VA,PA
Aroclor-1268 [2C]	NY,NC,VA,PA

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Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

22B1545

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Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 2_06262019

Company Name: Atlas Technical Consultants
Address: 51 Knight Ln Williston VT
Phone: 802 1980
Project Name: Memorial Auditorium
Project Location: 250 Main St. Burl. VT
Project Number: 250BS02380
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: JA NA HM JS

Requested Turnaround Time: 7-Day ☐ 10-Day X; PFAS 10-Day (std) ☐ Due Date:
Rush-Approval Required: 1-Day ☐ 3-Day ☐; 2-Day ☐ 4-Day ☐
Dissolved Metals Samples: ○ Field Filtered ○ Lab to Filter
Orthophosphate Samples: ○ Field Filtered ○ Lab to Filter
Data Delivery: Format: PDF X EXCEL X
Other:
CLP Like Data Pkg Required: ☐
Email To: Rob.Montgomery@oneatlas.com
Fax To #:

ANALYSIS REQUESTED: EPA SW-846 8082

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	EPA SW-846 8082
1	PCB-68 A	2/22/22	1322	Grab	O	U	X	1				X
2	↓ B	↓	1328	↓	↓	↓	X	↓				↓
3	↓ C	↓	1333	↓	↓	↓	X	↓				↓
4	PCB-81 A	↓	1528	↓	↓	↓	X	↓				↓
5	↓ B	↓	1531	↓	↓	↓	X	↓				↓
6	↓ C	↓	1537	↓	↓	↓	X	↓				↓
7	PCB-83 A	↓	1431	↓	↓	↓	X	↓				↓
8	↓ B	↓	1434	↓	↓	↓	X	↓				↓
9	↓ C	↓	1437	↓	↓	↓	X	↓				↓

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS____
GLASS____
PLASTIC____
BACTERIA____
ENCORE____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define) Bulk

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Signature	Date/Time
Relinquished by: (signature) [signature]	2/23/22 1200
Received by: (signature) [signature]	2-24-22 9:40 am
Relinquished by: (signature) [signature]	2-24-22
Received by: (signature) [signature] 10:00	2-24-22
Relinquished by: (signature) [signature] 14:55	2-24-22
Received by: (signature) [signature] 2.8	2/24/22 NSS
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA 9140 am
CT
Other

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
X Soxhlet
☐ Non Soxhlet

Comments:

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

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CHAIN OF CUSTODY RECORD

Doc # 381 Rev 2_06262019

Page 7 of 9

Company Name: Atlas Technical Consultants
Address: 51 Knight Ln Williston VT
Phone: 862 1980
Project Name: Memorial Auditorium
Project Location: 250 Main St. Burl. VT.
Project Number: 280BS02380
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: JA NA HM JS

Requested Turnaround Time: 7-Day ☐ 10-Day ☒ PFAS 10-Day (std) ☐ Due Date:
Rush-Approval Required: 1-Day ☐ 2-Day ☐ 3-Day ☐ 4-Day ☐
Dissolved Metals Samples: ○ Field Filtered ○ Lab to Filter
Orthophosphate Samples: ○ Field Filtered ○ Lab to Filter
Data Delivery: Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: Rob.Montgomery@oneatlas.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	EPA SW-846 8082
10	PCB-90 A	2-22-22	1400	Grab	O	U		1				X
11	↓ B	↓	1403	↓	↓	↓		1				X
12	↓ C	↓	1405	↓	↓	↓		1				X
13	PCB-91 A	↓	1407	↓	↓	↓		1				X
14	↓ B	↓	1409	↓	↓	↓		1				X
15	↓ C	↓	1413	↓	↓	↓		1				X
16	PCB-92 A	↓	1415	↓	↓	↓		1				X
17	↓ B	↓	1417	↓	↓	↓		1				X
18	↓ C	↓	1419	↓	↓	↓		1				X
								1				X

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS____
GLASS____
PLASTIC____
BACTERIA____
ENCORE____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define) Bulk

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

	Date/Time:
Relinquished by: (signature) [signature]	2/23/22 1200
Received by: (signature) [signature]	2-24-22 9:40am
Relinquished by: (signature) [signature]	2-24-22 9:40am
Received by: (signature) [signature] 10:00	2-24-22
Relinquished by: (signature) [signature] 14:55	2-24-22
Received by: (signature) [signature] 2-24	2/24/22 1455
Relinquished by: (signature)	
Received by: (signature)	

Client Comments:

Detection Limit Requirements
MA:
CT:
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Federal ☐ City ☐
Municipality ☐ 21 J ☐ Brownfield ☐
MWRA ☐ School ☐ MBTA ☐
WRTA ☐

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

Comments:

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client ATC

Received By _____ Date 2/24/22 Time 1455

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 2.0

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? n/a Were Samples Tampered with? n/a

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? n/a MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? Acid n/a Base n/a

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	18
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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March 10, 2022

Rob Montgomery
ATC Group Services LLC - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495

Project Location: 250 Main St., Burlington, VT
Client Job Number:
Project Number: 280BS02380
Laboratory Work Order Number: 22B1546

Enclosed are results of analyses for samples as received by the laboratory on February 24, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kaitlyn A. Feliciano
Project Manager

Table of Contents

Table of Contents (continued)

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ATC Group Services LLC - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495
ATTN: Rob Montgomery

REPORT DATE: 3/10/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS02380

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22B1546

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 250 Main St., Burlington, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
PCB-93A	22B1546-01	Caulk		SW-846 8082A	
PCB-93B	22B1546-02	Caulk		SW-846 8082A	
PCB-93C	22B1546-03	Caulk		SW-846 8082A	
PCB-94A	22B1546-04	Caulk		SW-846 8082A	
PCB-94B	22B1546-05	Caulk		SW-846 8082A	
PCB-94C	22B1546-06	Caulk		SW-846 8082A	
PCB-95A	22B1546-07	Caulk		SW-846 8082A	
PCB-95B	22B1546-08	Caulk		SW-846 8082A	
PCB-95C	22B1546-09	Caulk		SW-846 8082A	
PCB-96A	22B1546-10	Caulk		SW-846 8082A	
PCB-96B	22B1546-11	Caulk		SW-846 8082A	
PCB-96C	22B1546-12	Caulk		SW-846 8082A	
PCB-97A	22B1546-13	Caulk		SW-846 8082A	
PCB-97B	22B1546-14	Caulk		SW-846 8082A	
PCB-97C	22B1546-15	Caulk		SW-846 8082A	
PCB-100A	22B1546-16	Caulk		SW-846 8082A	
PCB-100B	22B1546-17	Caulk		SW-846 8082A	
PCB-100C	22B1546-18	Caulk		SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1546

Date Received: 2/24/2022

Field Sample #: PCB-93A | Sampled: 2/22/2022 14:30

Sample ID: 22B1546-01

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 5:12	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 5:12	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 5:12	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 5:12	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 5:12	TG
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 5:12	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 5:12	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 5:12	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 5:12	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.5	30-150		3/8/22 5:12
Decachlorobiphenyl [2]	70.6	30-150		3/8/22 5:12
Tetrachloro-m-xylene [1]	50.7	30-150		3/8/22 5:12
Tetrachloro-m-xylene [2]	46.5	30-150		3/8/22 5:12

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Project Location: 250 Main St., Burlington, VT Sample Description: Work Order: 22B1546

Date Received: 2/24/2022

Field Sample #: PCB-93B Sampled: 2/22/2022 14:32

Sample ID: 22B1546-02

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 5:29	TG
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 5:29	TG
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 5:29	TG
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 5:29	TG
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 5:29	TG
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 5:29	TG
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 5:29	TG
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 5:29	TG
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/3/22	3/8/22 5:29	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	63.3	30-150		3/8/22 5:29
Decachlorobiphenyl [2]	60.6	30-150		3/8/22 5:29
Tetrachloro-m-xylene [1]	36.6	30-150		3/8/22 5:29
Tetrachloro-m-xylene [2]	33.3	30-150		3/8/22 5:29

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1546

Date Received: 2/24/2022

Field Sample #: PCB-93C | Sampled: 2/22/2022 14:33

Sample ID: 22B1546-03

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:20	JEA
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:20	JEA
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:20	JEA
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:20	JEA
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:20	JEA
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:20	JEA
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:20	JEA
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:20	JEA
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:20	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.6	30-150		3/8/22 14:20
Decachlorobiphenyl [2]	80.7	30-150		3/8/22 14:20
Tetrachloro-m-xylene [1]	46.7	30-150		3/8/22 14:20
Tetrachloro-m-xylene [2]	40.3	30-150		3/8/22 14:20

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1546

Date Received: 2/24/2022

Field Sample #: PCB-94A | Sampled: 2/22/2022 14:35

Sample ID: 22B1546-04

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:38	JEA
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:38	JEA
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:38	JEA
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:38	JEA
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:38	JEA
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:38	JEA
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:38	JEA
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:38	JEA
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:38	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	119	30-150		3/8/22 14:38
Decachlorobiphenyl [2]	107	30-150		3/8/22 14:38
Tetrachloro-m-xylene [1]	109	30-150		3/8/22 14:38
Tetrachloro-m-xylene [2]	98.8	30-150		3/8/22 14:38

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1546

Date Received: 2/24/2022

Field Sample #: PCB-94B | Sampled: 2/22/2022 14:37

Sample ID: 22B1546-05

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:55	JEA
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:55	JEA
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:55	JEA
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:55	JEA
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:55	JEA
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:55	JEA
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:55	JEA
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:55	JEA
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 14:55	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		3/8/22 14:55
Decachlorobiphenyl [2]	89.8	30-150		3/8/22 14:55
Tetrachloro-m-xylene [1]	97.0	30-150		3/8/22 14:55
Tetrachloro-m-xylene [2]	87.2	30-150		3/8/22 14:55

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1546

Date Received: 2/24/2022

Field Sample #: PCB-94C | Sampled: 2/22/2022 14:40

Sample ID: 22B1546-06

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:13	JEA
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:13	JEA
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:13	JEA
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:13	JEA
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:13	JEA
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:13	JEA
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:13	JEA
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:13	JEA
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:13	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	109	30-150		3/8/22 15:13
Decachlorobiphenyl [2]	100	30-150		3/8/22 15:13
Tetrachloro-m-xylene [1]	109	30-150		3/8/22 15:13
Tetrachloro-m-xylene [2]	99.0	30-150		3/8/22 15:13

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1546

Date Received: 2/24/2022

Field Sample #: PCB-95A | Sampled: 2/22/2022 14:41

Sample ID: 22B1546-07

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:30	JEA
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:30	JEA
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:30	JEA
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:30	JEA
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:30	JEA
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:30	JEA
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:30	JEA
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:30	JEA
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:30	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.0	30-150		3/8/22 15:30
Decachlorobiphenyl [2]	87.9	30-150		3/8/22 15:30
Tetrachloro-m-xylene [1]	99.3	30-150		3/8/22 15:30
Tetrachloro-m-xylene [2]	90.6	30-150		3/8/22 15:30

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1546

Date Received: 2/24/2022

Field Sample #: PCB-95B | Sampled: 2/22/2022 14:42

Sample ID: 22B1546-08

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:47	JEA
Aroclor-1221 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:47	JEA
Aroclor-1232 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:47	JEA
Aroclor-1242 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:47	JEA
Aroclor-1248 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:47	JEA
Aroclor-1254 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:47	JEA
Aroclor-1260 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:47	JEA
Aroclor-1262 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:47	JEA
Aroclor-1268 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 15:47	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	116	30-150		3/8/22 15:47
Decachlorobiphenyl [2]	107	30-150		3/8/22 15:47
Tetrachloro-m-xylene [1]	106	30-150		3/8/22 15:47
Tetrachloro-m-xylene [2]	97.4	30-150		3/8/22 15:47

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1546

Date Received: 2/24/2022

Field Sample #: PCB-95C | Sampled: 2/22/2022 14:45

Sample ID: 22B1546-09

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 16:05	JEA
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 16:05	JEA
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 16:05	JEA
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 16:05	JEA
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 16:05	JEA
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 16:05	JEA
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 16:05	JEA
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 16:05	JEA
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 16:05	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	121	30-150		3/8/22 16:05
Decachlorobiphenyl [2]	113	30-150		3/8/22 16:05
Tetrachloro-m-xylene [1]	113	30-150		3/8/22 16:05
Tetrachloro-m-xylene [2]	106	30-150		3/8/22 16:05

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1546

Date Received: 2/24/2022

Field Sample #: PCB-96A | Sampled: 2/22/2022 14:50

Sample ID: 22B1546-10

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 17:26	JEA
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 17:26	JEA
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 17:26	JEA
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 17:26	JEA
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 17:26	JEA
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 17:26	JEA
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 17:26	JEA
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 17:26	JEA
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 17:26	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		3/8/22 17:26
Decachlorobiphenyl [2]	98.7	30-150		3/8/22 17:26
Tetrachloro-m-xylene [1]	95.0	30-150		3/8/22 17:26
Tetrachloro-m-xylene [2]	91.5	30-150		3/8/22 17:26

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1546

Date Received: 2/24/2022

Field Sample #: PCB-96B | Sampled: 2/22/2022 14:51

Sample ID: 22B1546-11

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 17:44	JEA
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 17:44	JEA
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 17:44	JEA
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 17:44	JEA
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 17:44	JEA
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 17:44	JEA
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 17:44	JEA
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 17:44	JEA
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 17:44	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	114	30-150		3/8/22 17:44
Decachlorobiphenyl [2]	107	30-150		3/8/22 17:44
Tetrachloro-m-xylene [1]	106	30-150		3/8/22 17:44
Tetrachloro-m-xylene [2]	103	30-150		3/8/22 17:44

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1546

Date Received: 2/24/2022

Field Sample #: PCB-96C | Sampled: 2/22/2022 14:53

Sample ID: 22B1546-12

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:01	JEA
Aroclor-1221 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:01	JEA
Aroclor-1232 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:01	JEA
Aroclor-1242 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:01	JEA
Aroclor-1248 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:01	JEA
Aroclor-1254 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:01	JEA
Aroclor-1260 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:01	JEA
Aroclor-1262 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:01	JEA
Aroclor-1268 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:01	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	113	30-150		3/8/22 18:01
Decachlorobiphenyl [2]	106	30-150		3/8/22 18:01
Tetrachloro-m-xylene [1]	101	30-150		3/8/22 18:01
Tetrachloro-m-xylene [2]	98.1	30-150		3/8/22 18:01

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1546

Date Received: 2/24/2022

Field Sample #: PCB-97A | Sampled: 2/22/2022 14:55

Sample ID: 22B1546-13

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:19	JEA
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:19	JEA
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:19	JEA
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:19	JEA
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:19	JEA
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:19	JEA
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:19	JEA
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:19	JEA
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:19	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	119	30-150		3/8/22 18:19
Decachlorobiphenyl [2]	111	30-150		3/8/22 18:19
Tetrachloro-m-xylene [1]	112	30-150		3/8/22 18:19
Tetrachloro-m-xylene [2]	105	30-150		3/8/22 18:19

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1546

Date Received: 2/24/2022

Field Sample #: PCB-97B | Sampled: 2/22/2022 14:57

Sample ID: 22B1546-14

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:36	JEA
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:36	JEA
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:36	JEA
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:36	JEA
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:36	JEA
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:36	JEA
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:36	JEA
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:36	JEA
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:36	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	120	30-150		3/8/22 18:36
Decachlorobiphenyl [2]	112	30-150		3/8/22 18:36
Tetrachloro-m-xylene [1]	111	30-150		3/8/22 18:36
Tetrachloro-m-xylene [2]	103	30-150		3/8/22 18:36

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1546

Date Received: 2/24/2022

Field Sample #: PCB-97C | Sampled: 2/22/2022 14:59

Sample ID: 22B1546-15

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:53	JEA
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:53	JEA
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:53	JEA
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:53	JEA
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:53	JEA
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:53	JEA
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:53	JEA
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:53	JEA
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 18:53	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	118	30-150		3/8/22 18:53
Decachlorobiphenyl [2]	111	30-150		3/8/22 18:53
Tetrachloro-m-xylene [1]	112	30-150		3/8/22 18:53
Tetrachloro-m-xylene [2]	104	30-150		3/8/22 18:53

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1546

Date Received: 2/24/2022

Field Sample #: PCB-100A | Sampled: 2/22/2022 13:40

Sample ID: 22B1546-16

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:11	JEA
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:11	JEA
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:11	JEA
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:11	JEA
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:11	JEA
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:11	JEA
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:11	JEA
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:11	JEA
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:11	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	110	30-150		3/8/22 19:11
Decachlorobiphenyl [2]	104	30-150		3/8/22 19:11
Tetrachloro-m-xylene [1]	110	30-150		3/8/22 19:11
Tetrachloro-m-xylene [2]	103	30-150		3/8/22 19:11

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1546

Date Received: 2/24/2022

Field Sample #: PCB-100B | Sampled: 2/22/2022 13:42

Sample ID: 22B1546-17

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:28	JEA
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:28	JEA
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:28	JEA
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:28	JEA
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:28	JEA
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:28	JEA
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:28	JEA
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:28	JEA
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:28	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	110	30-150		3/8/22 19:28
Decachlorobiphenyl [2]	104	30-150		3/8/22 19:28
Tetrachloro-m-xylene [1]	109	30-150		3/8/22 19:28
Tetrachloro-m-xylene [2]	103	30-150		3/8/22 19:28

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Project Location: 250 Main St., Burlington, VT | Sample Description: | Work Order: 22B1546

Date Received: 2/24/2022

Field Sample #: PCB-100C | Sampled: 2/22/2022 13:43

Sample ID: 22B1546-18

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:46	JEA
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:46	JEA
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:46	JEA
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:46	JEA
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:46	JEA
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:46	JEA
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:46	JEA
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:46	JEA
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	3/5/22	3/8/22 19:46	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.4	30-150		3/8/22 19:46
Decachlorobiphenyl [2]	90.9	30-150		3/8/22 19:46
Tetrachloro-m-xylene [1]	98.3	30-150		3/8/22 19:46
Tetrachloro-m-xylene [2]	92.2	30-150		3/8/22 19:46

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Sample Extraction Data

Prep Method: SW-846 3540C **Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
22B1546-01 [PCB-93A]	B302430	0.506	10.0	03/03/22
22B1546-02 [PCB-93B]	B302430	0.506	10.0	03/03/22

Prep Method: SW-846 3540C **Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
22B1546-03 [PCB-93C]	B302578	0.505	10.0	03/05/22
22B1546-04 [PCB-94A]	B302578	0.506	10.0	03/05/22
22B1546-05 [PCB-94B]	B302578	0.516	10.0	03/05/22
22B1546-06 [PCB-94C]	B302578	0.505	10.0	03/05/22
22B1546-07 [PCB-95A]	B302578	0.505	10.0	03/05/22
22B1546-08 [PCB-95B]	B302578	0.500	10.0	03/05/22
22B1546-09 [PCB-95C]	B302578	0.510	10.0	03/05/22
22B1546-10 [PCB-96A]	B302578	0.516	10.0	03/05/22
22B1546-11 [PCB-96B]	B302578	0.505	10.0	03/05/22
22B1546-12 [PCB-96C]	B302578	0.518	10.0	03/05/22
22B1546-13 [PCB-97A]	B302578	0.513	10.0	03/05/22
22B1546-14 [PCB-97B]	B302578	0.505	10.0	03/05/22
22B1546-15 [PCB-97C]	B302578	0.507	10.0	03/05/22
22B1546-16 [PCB-100A]	B302578	0.511	10.0	03/05/22
22B1546-17 [PCB-100B]	B302578	0.508	10.0	03/05/22
22B1546-18 [PCB-100C]	B302578	0.512	10.0	03/05/22

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B302430 - SW-846 3540C										
Blank (B302430-BLK1)				Prepared: 03/03/22 Analyzed: 03/07/22						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*3.08*		mg/Kg	3.97		77.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.45*		mg/Kg	3.97		86.8	30-150			
Surrogate: Tetrachloro-m-xylene	*2.99*		mg/Kg	3.97		75.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.20*		mg/Kg	3.97		80.6	30-150			
LCS (B302430-BS1)				Prepared: 03/03/22 Analyzed: 03/07/22						
Aroclor-1016	2.5	0.20	mg/Kg	3.98		61.9	40-140			
Aroclor-1016 [2C]	2.7	0.20	mg/Kg	3.98		68.2	40-140			
Aroclor-1260	2.4	0.20	mg/Kg	3.98		61.6	40-140			
Aroclor-1260 [2C]	2.7	0.20	mg/Kg	3.98		69.0	40-140			
Surrogate: Decachlorobiphenyl	*3.00*		mg/Kg	3.98		75.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.32*		mg/Kg	3.98		83.5	30-150			
Surrogate: Tetrachloro-m-xylene	*2.86*		mg/Kg	3.98		72.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.04*		mg/Kg	3.98		76.6	30-150			
LCS Dup (B302430-BSD1)				Prepared: 03/03/22 Analyzed: 03/07/22						
Aroclor-1016	2.1	0.20	mg/Kg	3.99		53.6	40-140	14.0	30	
Aroclor-1016 [2C]	2.4	0.20	mg/Kg	3.99		59.1	40-140	14.0	30	
Aroclor-1260	2.2	0.20	mg/Kg	3.99		55.5	40-140	10.1	30	
Aroclor-1260 [2C]	2.4	0.20	mg/Kg	3.99		61.2	40-140	11.7	30	
Surrogate: Decachlorobiphenyl	*2.86*		mg/Kg	3.99		71.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.13*		mg/Kg	3.99		78.6	30-150			
Surrogate: Tetrachloro-m-xylene	*2.67*		mg/Kg	3.99		66.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.80*		mg/Kg	3.99		70.3	30-150			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B302578 - SW-846 3540C										
Blank (B302578-BLK1)				Prepared: 03/05/22 Analyzed: 03/08/22						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*3.84*		mg/Kg	3.93		97.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.76*		mg/Kg	3.93		95.8	30-150			
Surrogate: Tetrachloro-m-xylene	*3.46*		mg/Kg	3.93		88.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.35*		mg/Kg	3.93		85.4	30-150			
LCS (B302578-BS1)				Prepared: 03/05/22 Analyzed: 03/08/22						
Aroclor-1016	3.0	0.20	mg/Kg	3.97		74.8	40-140			
Aroclor-1016 [2C]	3.5	0.20	mg/Kg	3.97		88.8	40-140			
Aroclor-1260	3.7	0.20	mg/Kg	3.97		92.2	40-140			
Aroclor-1260 [2C]	3.3	0.20	mg/Kg	3.97		82.4	40-140			
Surrogate: Decachlorobiphenyl	*3.73*		mg/Kg	3.97		94.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.65*		mg/Kg	3.97		92.0	30-150			
Surrogate: Tetrachloro-m-xylene	*3.36*		mg/Kg	3.97		84.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.30*		mg/Kg	3.97		83.2	30-150			
LCS Dup (B302578-BSD1)				Prepared: 03/05/22 Analyzed: 03/08/22						
Aroclor-1016	2.9	0.20	mg/Kg	3.97		73.5	40-140	1.89	30	
Aroclor-1016 [2C]	3.5	0.20	mg/Kg	3.97		88.4	40-140	0.530	30	
Aroclor-1260	3.5	0.20	mg/Kg	3.97		89.0	40-140	3.63	30	
Aroclor-1260 [2C]	3.2	0.20	mg/Kg	3.97		80.1	40-140	3.07	30	
Surrogate: Decachlorobiphenyl	*3.47*		mg/Kg	3.97		87.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.38*		mg/Kg	3.97		85.2	30-150			
Surrogate: Tetrachloro-m-xylene	*3.18*		mg/Kg	3.97		80.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.11*		mg/Kg	3.97		78.5	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B302430-BS1 Date(s) Analyzed: 03/07/2022 03/07/2022

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	2.5	
	2	0.000	0.000	0.000	2.7	7.7
Aroclor-1260	1	0.000	0.000	0.000	2.4	
	2	0.000	0.000	0.000	2.7	7.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B302430-BSD1 Date(s) Analyzed: 03/07/2022 03/07/2022

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	2.1	
	2	0.000	0.000	0.000	2.4	13.3
Aroclor-1260	1	0.000	0.000	0.000	2.2	
	2	0.000	0.000	0.000	2.4	8.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B302578-BS1 Date(s) Analyzed: 03/08/2022 03/08/2022

Instrument ID (1): ECD11 Instrument ID (2): ECD11

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	3.0	
	2	0.000	0.000	0.000	3.5	15.4
Aroclor-1260	1	0.000	0.000	0.000	3.7	
	2	0.000	0.000	0.000	3.3	11.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B302578-BSD1 Date(s) Analyzed: 03/08/2022 03/08/2022

Instrument ID (1): ECD11 Instrument ID (2): ECD11

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	2.9	
	2	0.000	0.000	0.000	3.5	18.8
Aroclor-1260	1	0.000	0.000	0.000	3.5	
	2	0.000	0.000	0.000	3.2	9.0

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1262	NY,NC,VA,PA
Aroclor-1262 [2C]	NY,NC,VA,PA
Aroclor-1268	NY,NC,VA,PA
Aroclor-1268 [2C]	NY,NC,VA,PA

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

22B1546

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Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 2_06262019

Company Name: Atlas Technical Consultants
Address: 51 Knight Lane Williston VT
Phone: 862 1980
Project Name: Memorial Auditorium
Project Location: 250 Main St. Burl. VT
Project Number: 280BS02380
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: JANA HM JS

Requested Turnaround Time: 7-Day ☐ 10-Day X; PFAS 10-Day (std) ☐ Due Date:
Rush-Approval Required: 1-Day ☐ 3-Day ☐; 2-Day ☐ 4-Day ☐
Dissolved Metals Samples: ○ Field Filtered ○ Lab to Filter
Orthophosphate Samples: ○ Field Filtered ○ Lab to Filter
Data Delivery: Format: PDF X EXCEL X
Other:
CLP Like Data Pkg Required: ☐
Email To: Rob.Montgomery@oneatlas.com
Fax To #:

ANALYSIS REQUESTED: EPA SW-846 8082

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code [1]	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	EPA SW-846 8082
1	PCB-93 A	2-22-22	1430	Grab	O	U		1				X
2	↓ B	↓	1432	↓	↓	↓		1				X
3	↓ C	↓	1433	↓	↓	↓		1				X
4	PCB-94 A	↓	1435	↓	↓	↓		1				X
5	↓ B	↓	1437	↓	↓	↓		1				X
6	↓ C	↓	1440	↓	↓	↓		1				X
7	PCB-95 A	↓	1441	↓	↓	↓		1				X
8	↓ B	↓	1442	↓	↓	↓		1				X
9	↓ C	↓	1445	↓	↓	↓		1				X

Signature	Date/Time
Relinquished by: (signature) [signature]	2/23/22 1200
Received by: (signature) [signature]	2-24-22 9:40am
Relinquished by: (signature) [signature]	2-24-22
Received by: (signature) [signature] 11:00	2-24-22
Relinquished by: (signature) [signature] 14:55	2-24-22
Received by: (signature) [signature] 20	2/24/22 1455
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments: 9:40am

Detection Limit Requirements: MA 9:40am; CT; Other

Special Requirements: ☐ MA MCP Required; MCP Certification Form Required; ☐ CT RCP Required; RCP Certification Form Required; ☐ MA State DW Required; PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity: Government ☐ Federal ☐ City ☐ Municipality ☐ 21 J ☐ Brownfield ☐ MWRA ☐ School ☐ MBTA ☐ WRTA ☐

Other: ☐ Chromatogram ☐ AIHA-LAP,LLC

PCB ONLY: X Soxhlet ☐ Non Soxhlet

Comments:

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS____
GLASS____
PLASTIC____
BACTERIA____
ENCORE____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define) Bulk

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

22B1546

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CHAIN OF CUSTODY RECORD

Doc # 381 Rev 2_06262019

Page 9 of 9

Company Name: Atlas Technical Consultants
Address: 51 Knight Ln Williston VT
Phone: 862 1980
Project Name: Memorial Hall
Project Location: 250 Main St. Burl. VT
Project Number: 280BS02380
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: JA NA HMJS

Requested Turnaround Time: 7-Day ☐ 10-Day X; PFAS 10-Day (std) ☐ Due Date:
Rush-Approval Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐
Dissolved Metals Samples: ○ Field Filtered ○ Lab to Filter
Orthophosphate Samples: ○ Field Filtered ○ Lab to Filter
Data Delivery: Format: PDF X EXCEL X
Other:
CLP Like Data Pkg Required: ☐
Email To: Rob.Montgomery@oneatlas.com
Fax To #:

ANALYSIS REQUESTED: EPA SW-846 8082

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	EPA SW-846 8082
10	PCB-96 A	2-22-22	1450	Grab	O	U		1				X
11	↓ B		1451	↓	↓	↓		1				X
12	↓ C		1453					1				X
13	PCB-97 A		1455					1				X
14	↓ B		1457					1				X
15	↓ C	↓	1459					1				X
16	PCB-~~98~~ (WA) 100 A	2-22-22	1340					1				X
17	↓ B		1342					1				X
18	↓ C	↓	1343					1				X
				↓	↓	↓		1				X

Relinquished / Received	Date/Time
Relinquished by: (signature) [signature]	2/23/22 1700
Received by: (signature) [signature]	2-24-22 9:40 am
Relinquished by: (signature) [signature]	2-24-22
Received by: (signature) [signature] 10:00	2-24-22
Relinquished by: (signature) [signature] 14:55	2-24-22
Received by: (signature) [signature] 20	2/24/22 1455
Relinquished by: (signature)	
Received by: (signature)	

Client Comments:

Detection Limit Requirements
MA: 9:40 am
CT:
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity: Government ☐ Federal ☐ City ☐ Municipality ☐ 21 J ☐ Brownfield ☐ MWRA ☐ School ☐ MBTA ☐ WRTA ☐
Other: ☐ Chromatogram ☐ AIHA-LAP,LLC

Comments:

[2] Preservation Code
Courier Use Only
Total Number Of:
VIALS____
GLASS____
PLASTIC____
BACTERIA____
ENCORE____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define) Bulk

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

PCB ONLY
X Soxhlet
☐ Non Soxhlet

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client ATC

Received By _____ Date 2/24/22 Time 1455

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____ Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 2.0

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? n/a Were Samples Tampered with? n/a

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? n/a MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? Acid n/a Base n/a

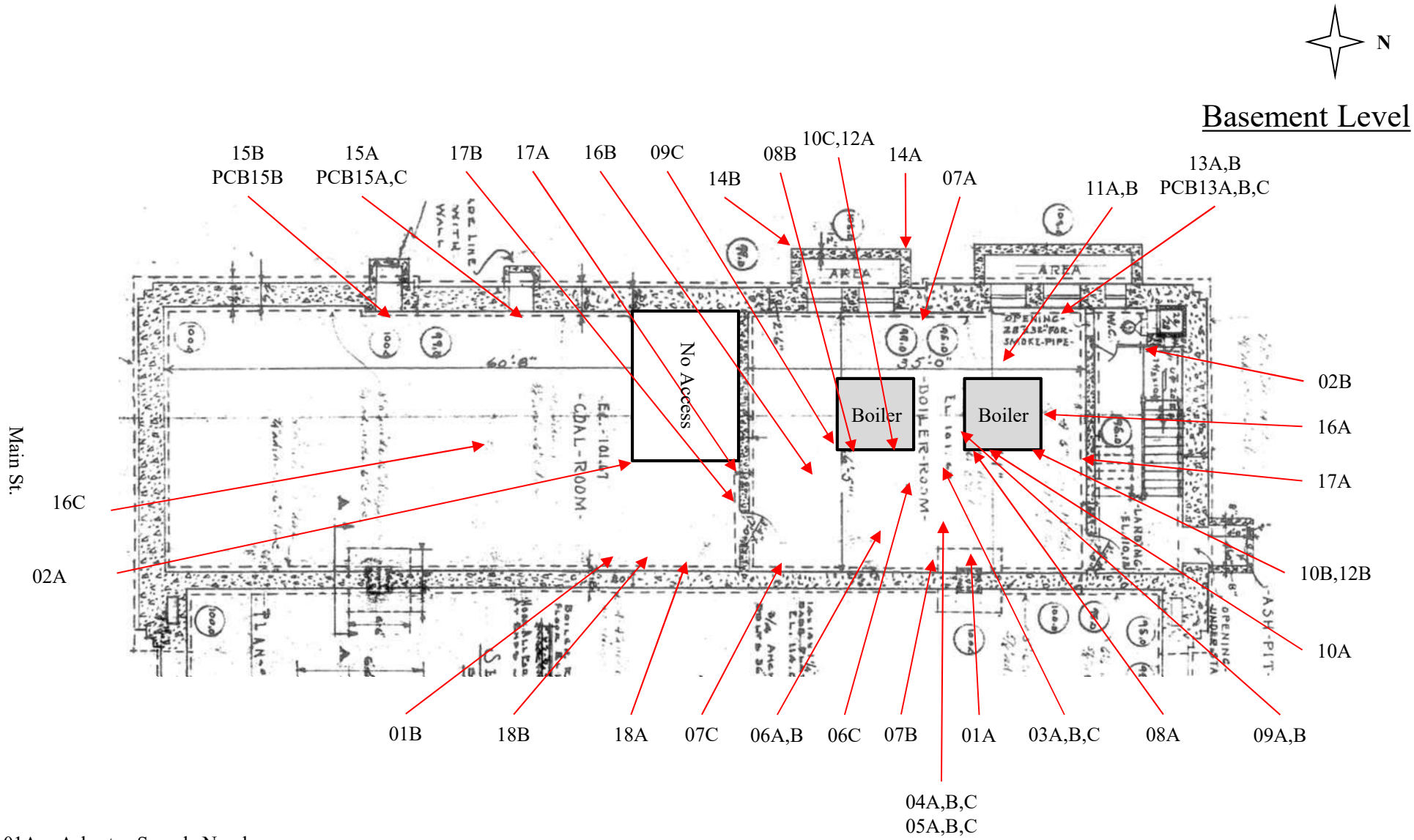
Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	10
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Appendix VII
Sample & ACBM Location Diagram



01A = Asbestos Sample Number
PCB 01A = PCB Sample Number
→ = Sample Location

ASBESTOS & PCB SAMPLE LOCATION DIAGRAM

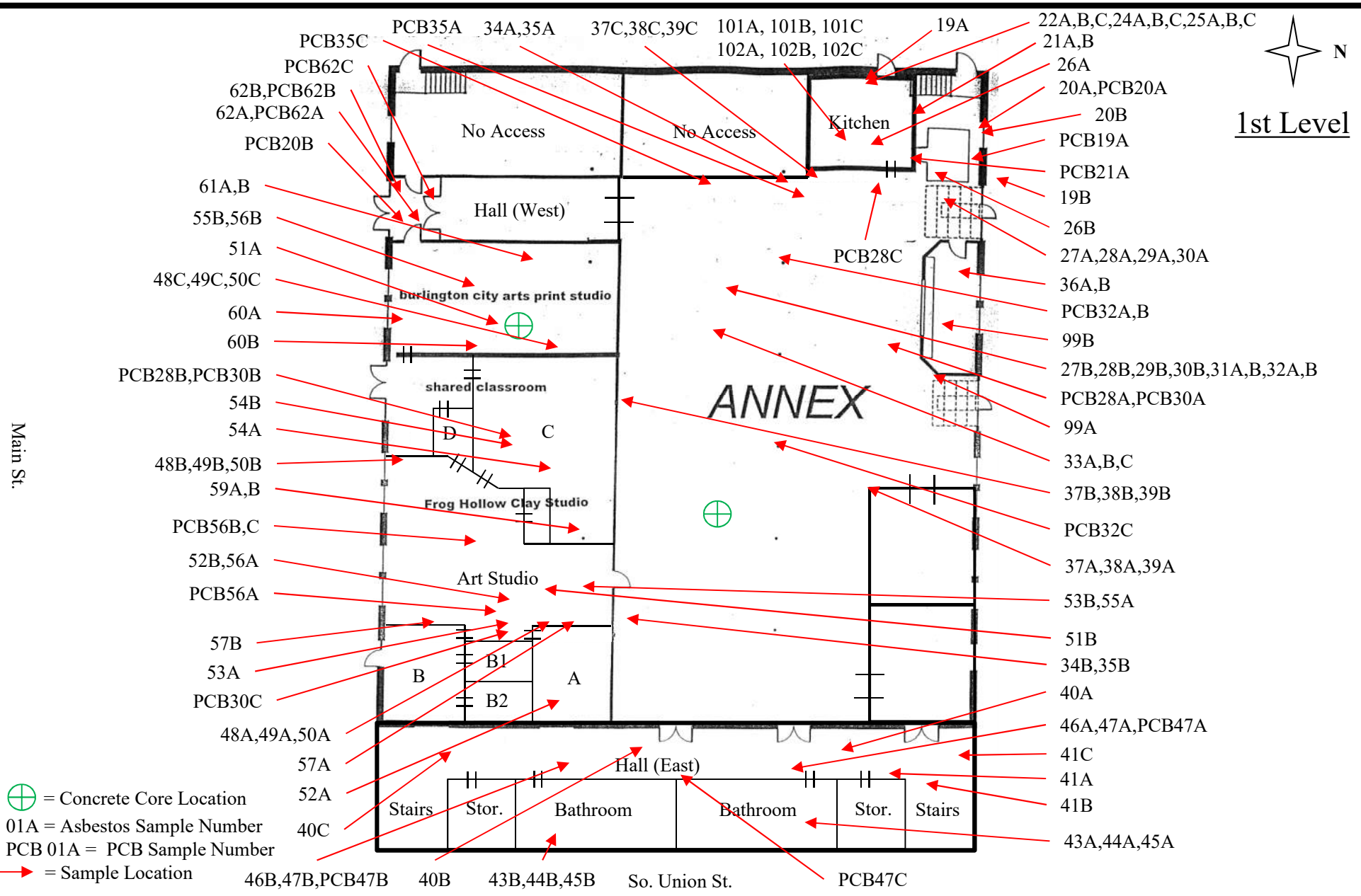
Address: **Memorial Auditorium**
250 Main Street
Burlington, Vermont

Project Number: 280BS02380

ATLAS
51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Client

SCALE: Not to scale



ASBESTOS & PCB SAMPLE LOCATION DIAGRAM

Address: **Memorial Auditorium**
250 Main Street
Burlington, Vermont

Project Number: 280BS02380

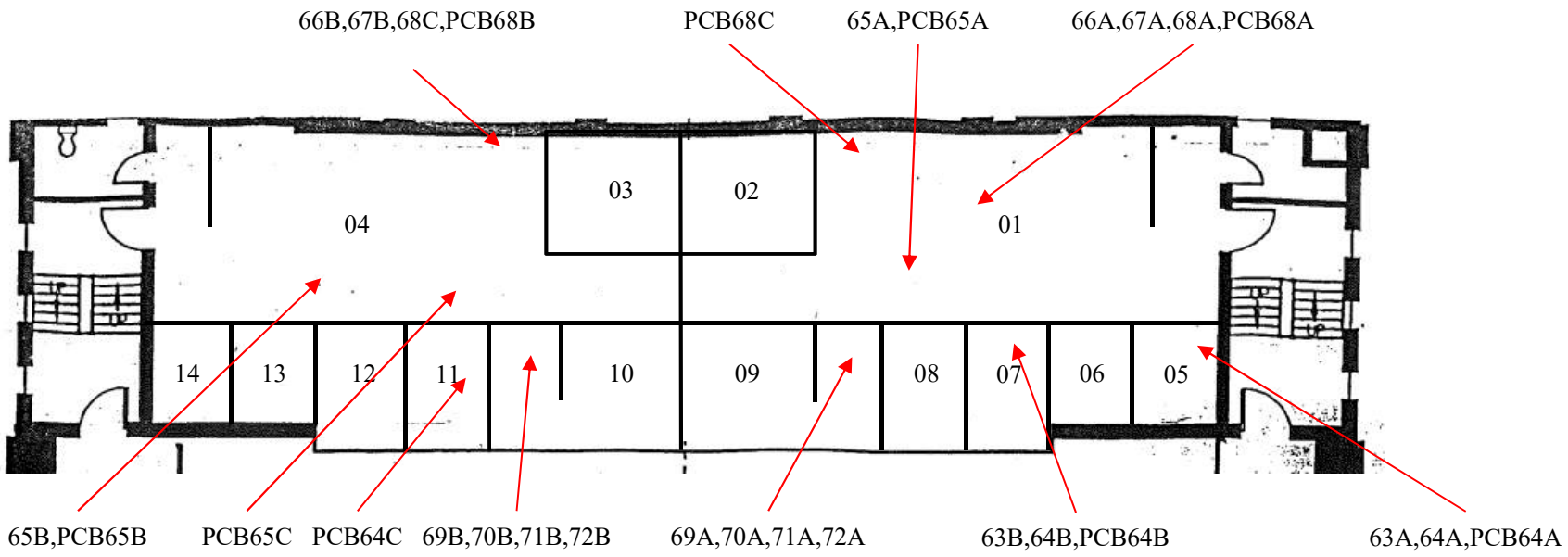
ATLAS
51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Client

SCALE: Not to scale

N

Dressing Rooms



Main St.

01A = Asbestos Sample Number
PCB 01A = PCB Sample Number
→ = Sample Location

So. Union St.

ASBESTOS & PCB SAMPLE LOCATION DIAGRAM

Address: **Memorial Auditorium**
250 Main Street
Burlington, Vermont

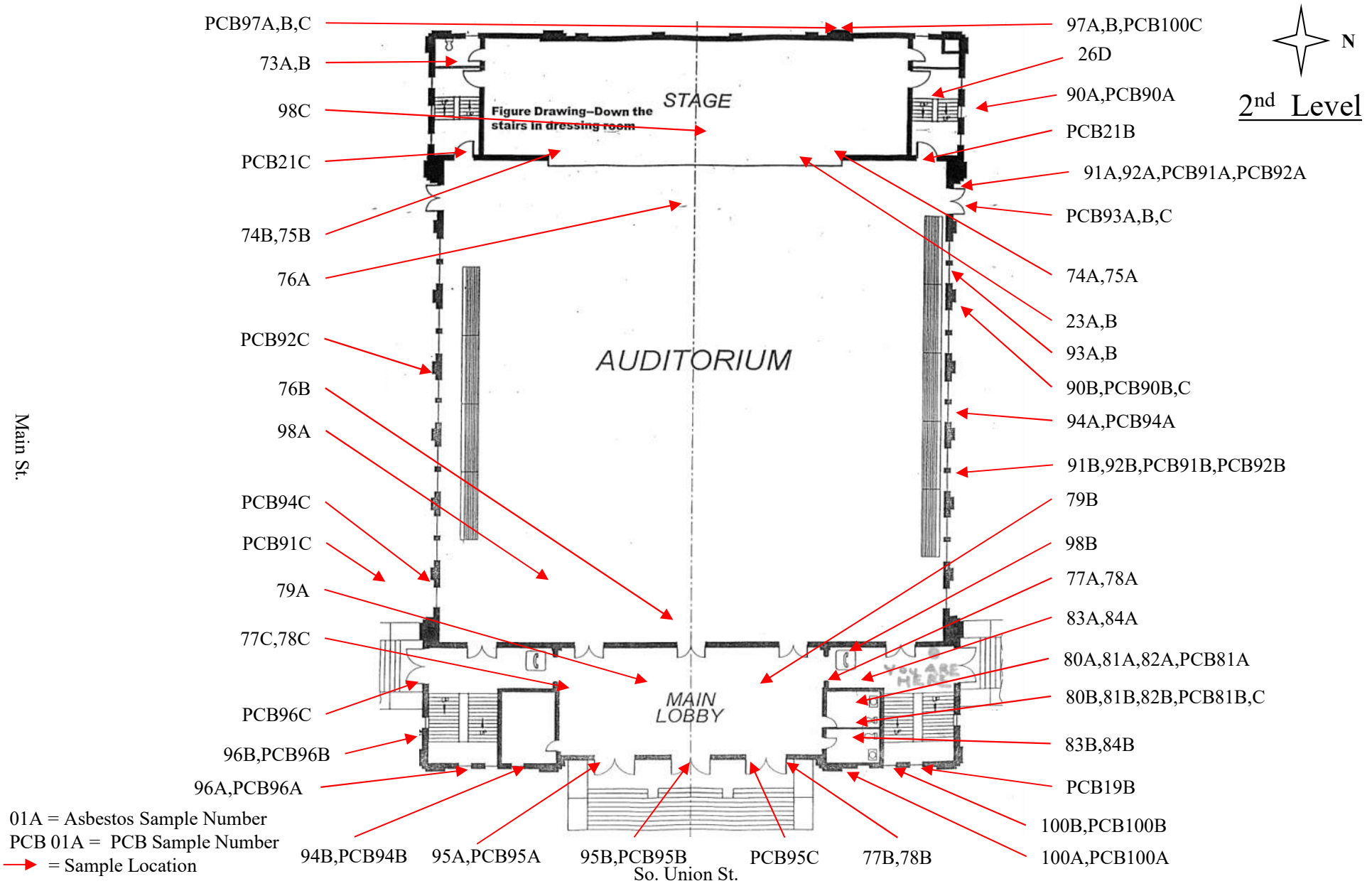
Project Number: 280BS02380

ATLAS

51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Client

SCALE: Not to scale



ASBESTOS & PCB SAMPLE LOCATION DIAGRAM

Address: **Memorial Auditorium**
250 Main Street
Burlington, Vermont

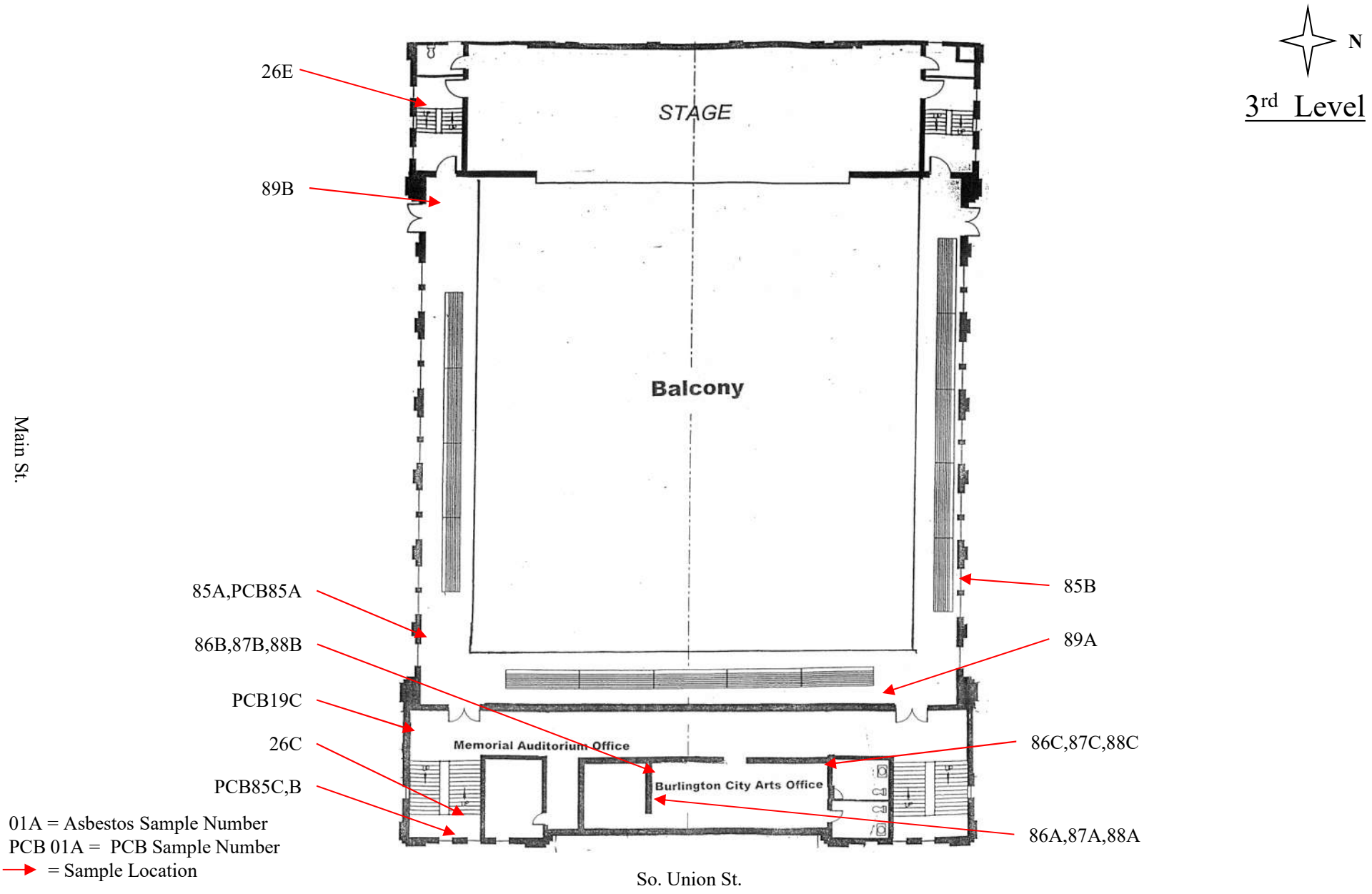
Project Number: 280BS02380

ATLAS

51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Client

SCALE: Not to scale



ASBESTOS & PCB SAMPLE LOCATION DIAGRAM

Address: **Memorial Auditorium**
250 Main Street
Burlington, Vermont

Project Number: 280BS02380

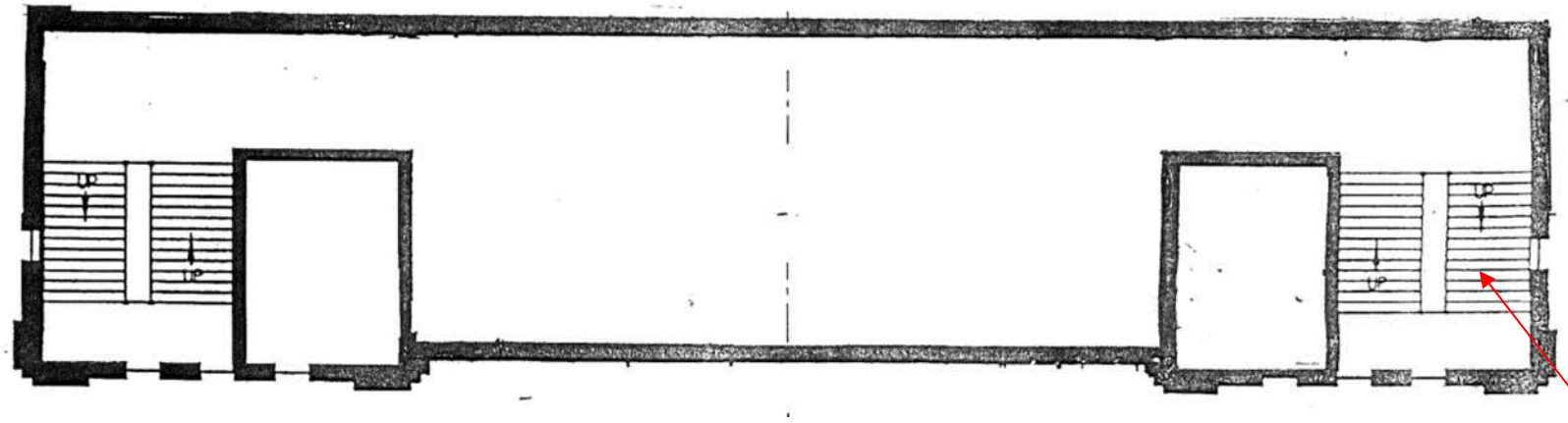
ATLAS
51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Client

SCALE: Not to scale

N

4th Level



Main St.

26F

01A = Asbestos Sample Number
PCB 01A = PCB Sample Number
→ = Sample Location

So. Union St.

ASBESTOS & PCB SAMPLE LOCATION DIAGRAM

Address: **Memorial Auditorium**
250 Main Street
Burlington, Vermont

Project Number: 280BS02380

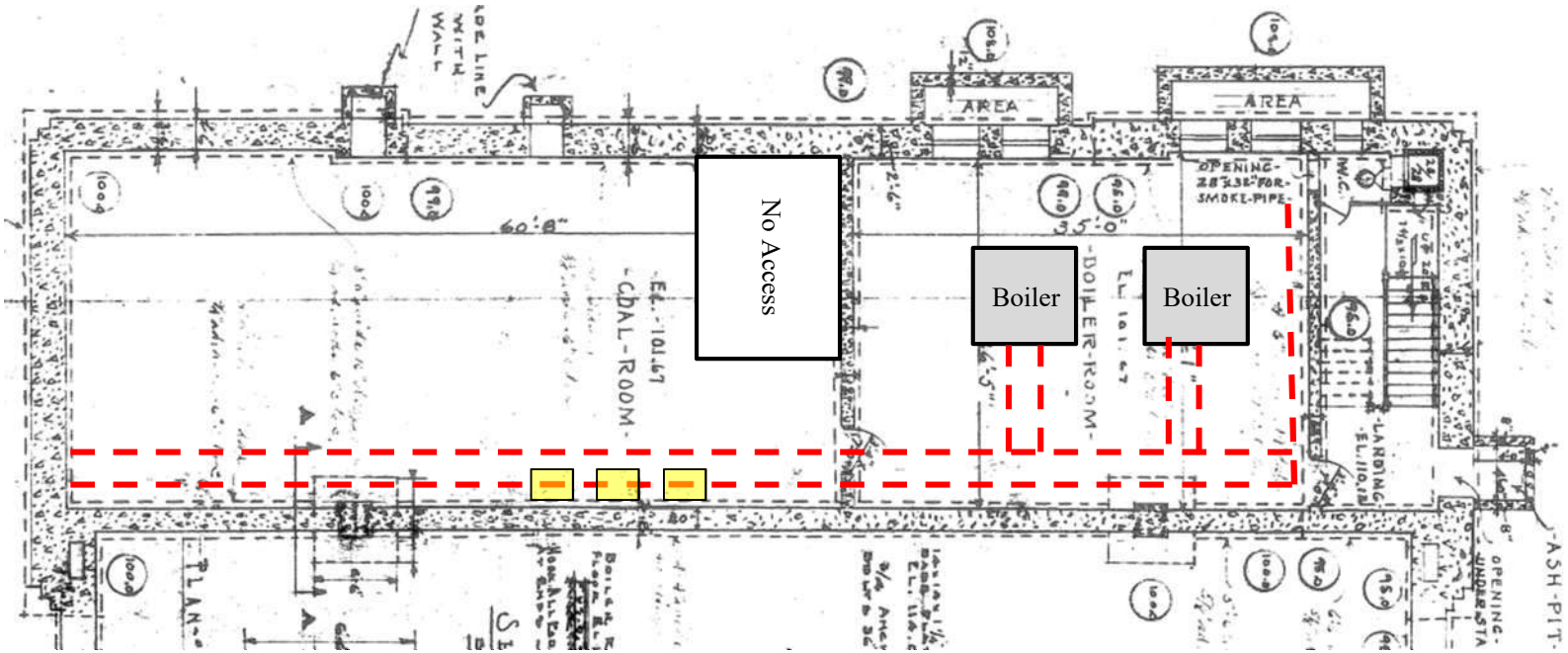
ATLAS
51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Client

SCALE: Not to scale

N

Basement Level



Main St.

= Asbestos Containing Thermal System Insulation

= Asbestos Containing Old Light Fixtures

So. Union St.

ASBESTOS CONTAINING MATERIAL LOCATION DIAGRAM
Address: Memorial Auditorium
250 Main Street
Burlington, Vermont

Project Number: 280BS02380

ATLAS
51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Client

SCALE: Not to scale

= Asbestos Containing Exterior Caulk – White & Grey (Located on all Exterior Windows, Stone Sills, Doors, and Brick/ Stone

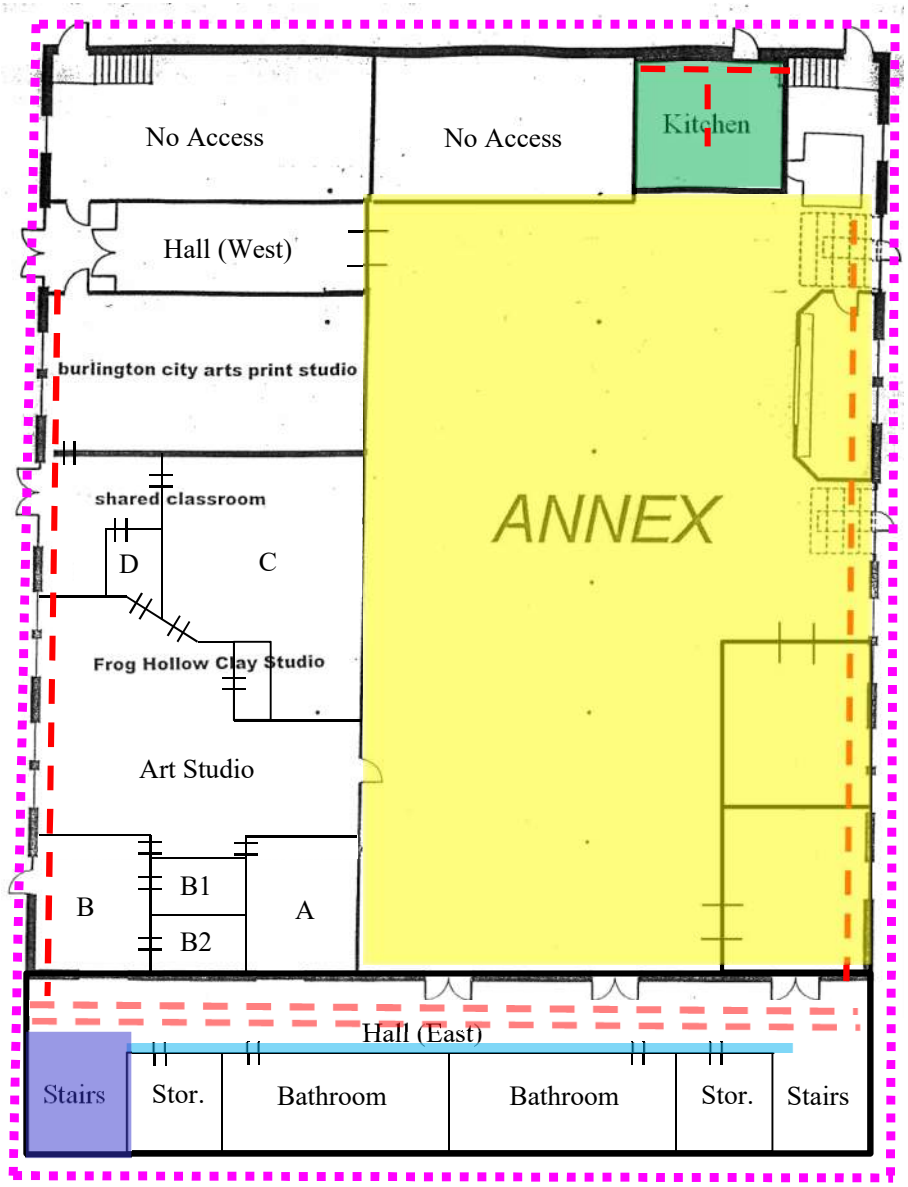
= Asbestos Containing Thermal System Insulation

= Asbestos Containing Floor Tile and Mastic

= Asbestos Containing Flooring

= Asbestos Containing Cove Base Mastic

= Asbestos Containing Stairway Flooring Material/ Leveler



N

1st Level

ASBESTOS CONTAINING MATERIAL LOCATION DIAGRAM

Address: Memorial Auditorium
250 Main Street
Burlington, Vermont

Project Number: 280BS02380

ATLAS

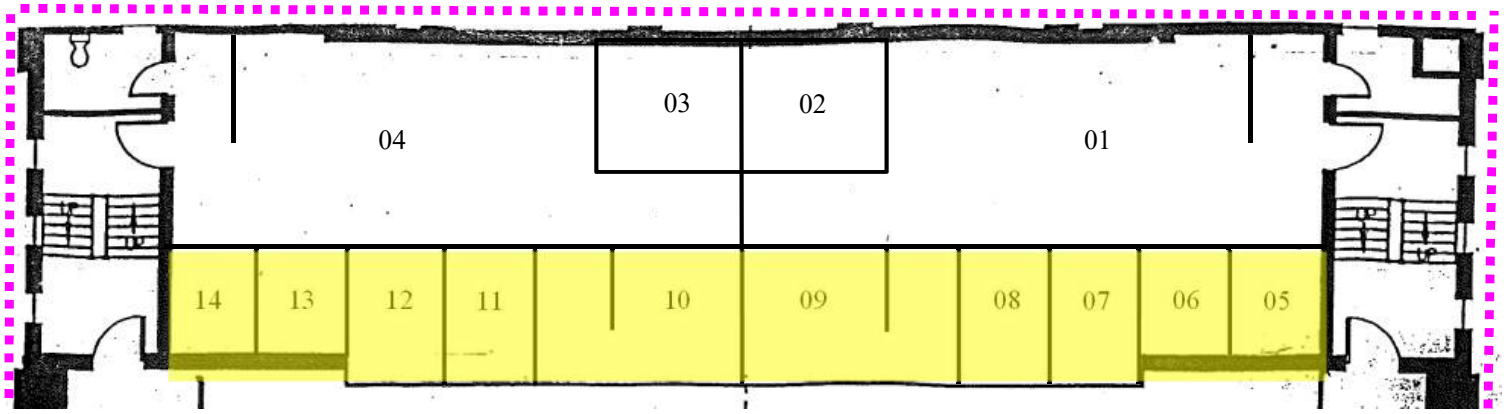
51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Client

SCALE: Not to scale

N

Dressing Rooms



Main St.

= Asbestos Containing Floor Tile and Mastic

= Asbestos Containing Exterior Caulk – White & Grey (Located on all Exterior Windows, Stone Sills, Doors, and Brick/ Stone

So. Union St.

ASBESTOS CONTAINING MATERIAL LOCATION DIAGRAM
Address: Memorial Auditorium
250 Main Street
Burlington, Vermont

Project Number: 280BS02380

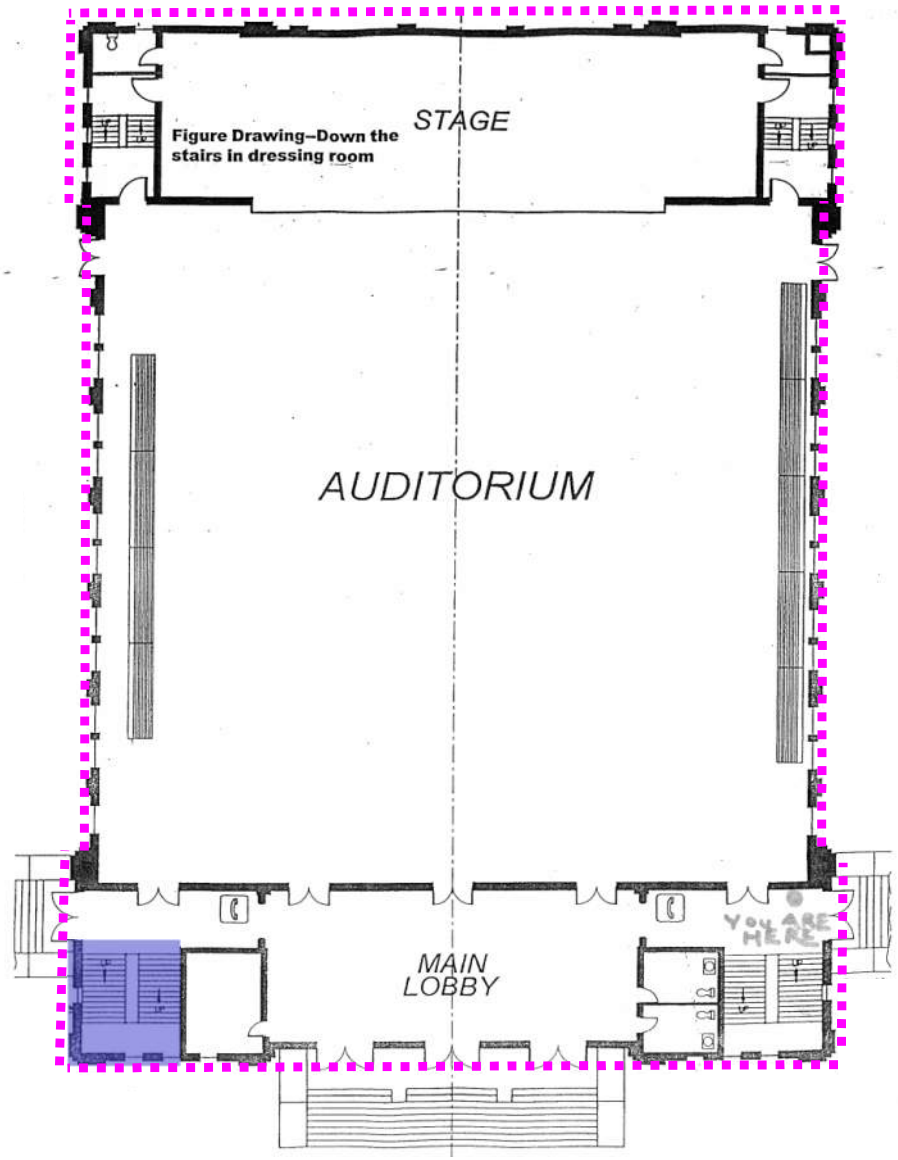
ATLAS
51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Client

SCALE: Not to scale

= Asbestos Containing Stairway Flooring Material/ Leveler

= Asbestos Containing Exterior Caulk – White & Grey (Located on all Exterior Windows, Stone Sills, Doors, and Brick/ Stone



N

2nd Level

So. Union St.

ASBESTOS CONTAINING MATERIAL LOCATION DIAGRAM

Address: Memorial Auditorium
250 Main Street
Burlington, Vermont

Project Number: 280BS02380

ATLAS

51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

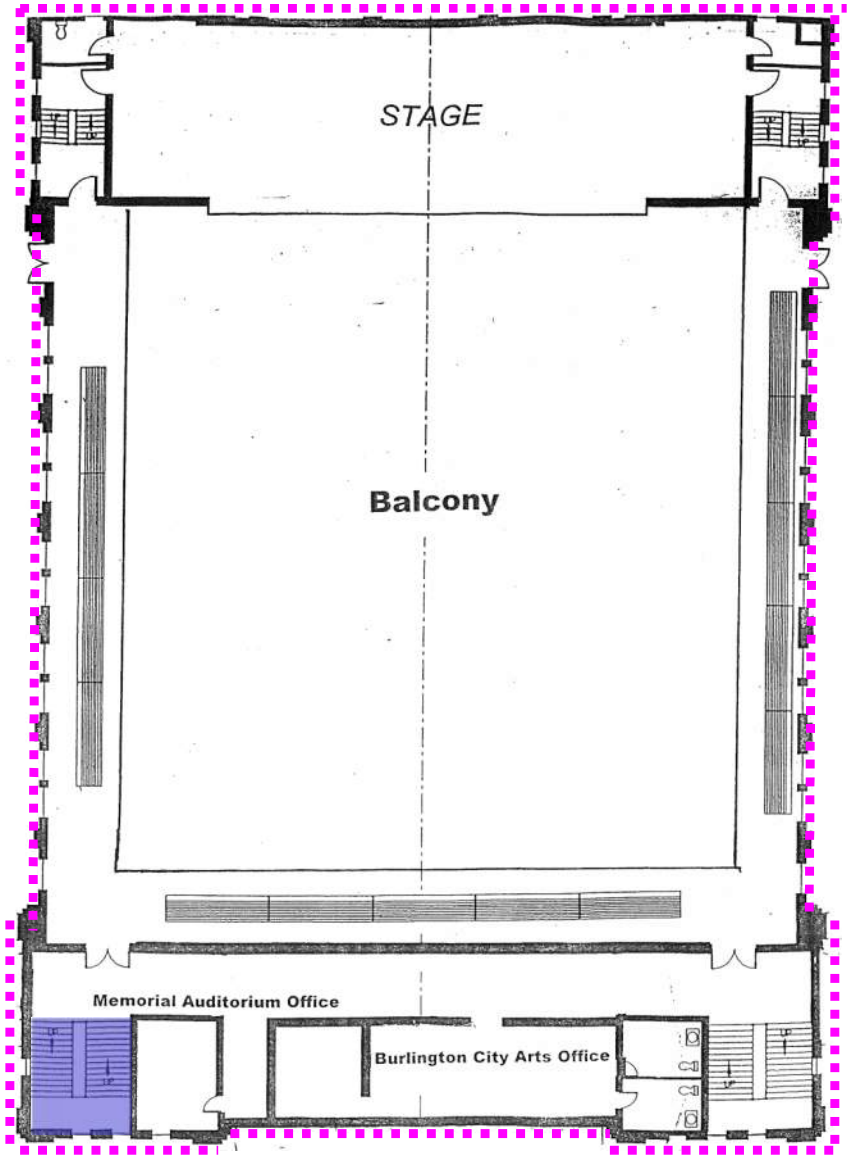
Source: Client

SCALE: Not to scale

= Asbestos Containing Stairway Flooring Material/ Leveler

= Asbestos Containing Exterior Caulk – White & Grey (Located on all Exterior Windows, Stone Sills, Doors, and Brick/ Stone

Main St.



So. Union St.

N

3rd Level

ASBESTOS CONTAINING MATERIAL LOCATION DIAGRAM

Address: Memorial Auditorium
250 Main Street
Burlington, Vermont

Project Number: 280BS02380

ATLAS
51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

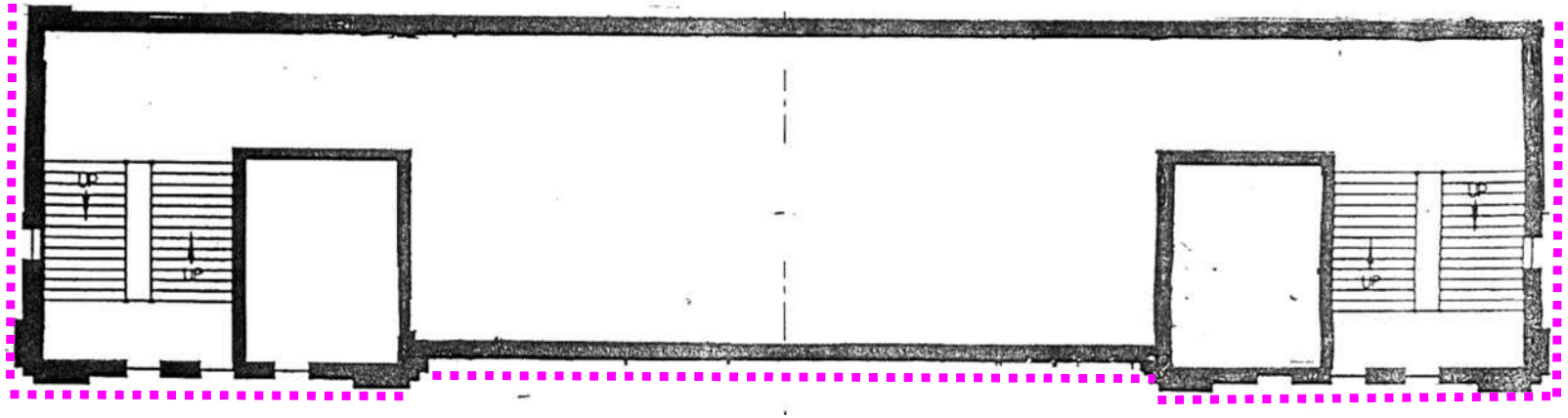
Source: Client

SCALE: Not to scale

N

4th Level

Main St.



= Asbestos Containing Exterior Caulk – White & Grey (Located on all Exterior Windows, Stone Sills, Doors, and Brick/ Stone

So. Union St.

ASBESTOS CONTAINING MATERIAL LOCATION DIAGRAM

Address: Memorial Auditorium
250 Main Street
Burlington, Vermont

Project Number: 280BS02380

ATLAS
51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Client

SCALE: Not to scale

Appendix VIII
XRF Protocol

March 23, 2022

Atlas Project Number: 208BS02380

XRF Protocol – Heuresis Pb200i

The Heuresis Pb200i Lead Paint Analyzer is a complete lead paint analysis system which quickly, accurately, and non-destructively measures the concentration of lead-based paint (LBP) on surfaces. The Pb200i relies on the measurement of the K-shell X-rays to determine the amount of lead present in the painted surface. K-shell X-rays can penetrate many layers of paint and allow a good measurement of the lead content of paint to be made without being significantly affected by the thickness or number of layers of paint on the surface of the sample.

The Pb200i has the ability to analyze and compute corrections for the differences in the energy spectrums relating to different substrates. This analysis of the energy spectrum means that the lead paint reading displayed on the instrument already accounts for any substrate effects and no correction is required by the operator. The Pb200i field of view is limited to a depth of 1/2", deep: enough to handle virtually all painted surfaces, but not prone to detect lead objects located behind the surface.

There are two measurement modes of operation in the Pb200i analyzer, namely the "Action Level Mode" and the "Extended Reading Mode". “Extended Reading Mode” allows the user to specify parameters of time, result, or statistics to determine the length and precision of measurement. In the "Action Level Mode”, the analyzer automatically adjusts the measurement time to be the least time that is needed to make a definitive measurement with a 99% confidence level (3 sigma). The Pb200i analyzer will finish a measurement once it can determine whether the result is higher or lower than the designated action level to a 3 sigma confidence level. This time period for conclusive measurements is typically between 1 to 3 seconds, but can extend to a measurement of 300 seconds depending on the action level for abatement. ATC utilized the Pb200i in the "Action Level Mode" for the testing performed at this unit.

A "XRF Calibration Check” test was performed to ensure that the instrument was operating properly. The Calibration test was performed on a NIST Standard Reference Material (SRM), supplied by the manufacturer, to determine if the instrument measured the lead content consistently on a day to day basis. A series of three Action Level Mode measurements were taken on the SRM block. The individual readings were recorded and then averaged. The average was compared to the factory test data provided with the instrument. Please find Calibration test results on the enclosed field sheets.

Appendix IX
Applicable Certifications

March 23, 2022

Atlas Project Number: 208BS02380

ASBESTOS SITE INSPECTOR

NATHAN AMATO
70 ARMSTRONG MOUNTAIN ROAD
JEFFERSONVILLE, VT 05464

Vermont Department of Health
Environmental Health
P.O. Box 70 - Drawer 30
Burlington, VT 05402-0070

LICENSE: AI350184 EXPIRES: Friday, June 24, 2022

CERTIFICATE OF LICENSE
VERMONT ASBESTOS REGULATORY PROGRAM

THIS CERTIFICATE SHALL REMAIN IN FORCE UNTIL THE EXPIRATION DATE UNLESS REVOKED OR VOIDED BEFORE THAT TIME. THIS CERTIFICATE IS NOT TRANSFERABLE AND IS VALID ONLY FOR THE ABOVE PARTY.

COPY OF THIS CERTIFICATE AND PHOTO ID CARD MUST BE ON SITE AT ALL TIMES.

VERMONT DEPARTMENT OF HEALTH

Asbestos & Lead Regulatory Program

Asbestos Site Inspector

Not a Legal Form of ID

NATHAN AMATO

Eff. Date **06/24/21**
Exp. Date **06/24/22**

Renewal

CONES

AI350184

VT

ASBESTOS SITE INSPECTOR

JACOB ADAMS
12 CHECKERBERRY SQUARE #107
MILTON, VT 05468

Vermont Department of Health
Environmental Health
P.O. Box 70 - Drawer 30
Burlington, VT 05402-0070

LICENSE: AI265881 EXPIRES: Monday, December 12, 2022

CERTIFICATE OF LICENSE
VERMONT ASBESTOS REGULATORY PROGRAM

THIS CERTIFICATE SHALL REMAIN IN FORCE UNTIL THE EXPIRATION DATE UNLESS REVOKED OR VOIDED BEFORE THAT TIME. THIS CERTIFICATE IS NOT TRANSFERABLE AND IS VALID ONLY FOR THE ABOVE PARTY.

COPY OF THIS CERTIFICATE AND PHOTO ID CARD MUST BE ON SITE AT ALL TIMES.

VERMONT DEPARTMENT OF HEALTH

Asbestos & Lead Regulatory Program

Asbestos Site Inspector

Not a Legal Form of ID

JACOB ADAMS

Eff. Date **12/12/21**
Exp. Date **12/12/22**

Renewal

CONES

AI265881

VT

LEAD INSPECTOR/RISK ASSESSOR

JACOB ADAMS
12 CHECKERBERRY SQUARE #107
MILTON, VT 05468

Vermont Department of Health
Environmental Health
P.O. Box 70 - Drawer 30
Burlington, VT 05402-0070

LICENSE: RA282654 EXPIRES: Wednesday, August 10, 2022

CERTIFICATE OF LICENSE
VERMONT LEAD REGULATORY PROGRAM

THIS CERTIFICATE SHALL REMAIN IN FORCE UNTIL THE EXPIRATION DATE UNLESS REVOKED OR VOIDED BEFORE THAT TIME. THIS CERTIFICATE IS NOT TRANSFERABLE AND IS VALID ONLY FOR THE ABOVE PARTY.

COPY OF THIS CERTIFICATE AND PHOTO ID CARD MUST BE ON SITE AT ALL TIMES.

VERMONT DEPARTMENT OF HEALTH

Asbestos & Lead Regulatory Program

Not a Legal Form of ID

Lead Insp/Risk Assessor

JACOB ADAMS

Eff. Date 08/10/21

Exp. Date 08/10/22

22

RA282654

VT

Member of C.O.N.E.S.T.

New

ASBESTOS CONSULTING ENTITY

ATC GROUP SERVICES LLC - 171
51 KNIGHT LANE PO BOX 1486
WILLISTON, VT 05495

Vermont Department of Health
Environmental Health
P.O. Box 70 - Drawer 30
Burlington, VT 05402-0070

LICENSE: CE239820 EXPIRES: Thursday, August 11, 2022

CERTIFICATE OF LICENSE
VERMONT ASBESTOS REGULATORY PROGRAM

THIS CERTIFICATE SHALL REMAIN IN FORCE UNTIL THE EXPIRATION DATE UNLESS REVOKED OR VOIDED BEFORE THAT TIME.
THIS CERTIFICATE IS NOT TRANSFERABLE AND IS VALID ONLY FOR THE ABOVE PARTY.

COPY OF THIS CERTIFICATE MUST BE ON SITE AT ALL TIMES.

LEAD CONSULTING ENTITY

ATC GROUP SERVICES LLC - 171
51 KNIGHT LANE PO BOX 1486
WILLISTON, VT 05495

Vermont Department of Health
Environmental Health
P.O. Box 70 - Drawer 30
Burlington, VT 05402-0070

LICENSE: LC373715 EXPIRES: Sunday, March 27, 2022

CERTIFICATE OF LICENSE
VERMONT LEAD REGULATORY PROGRAM

THIS CERTIFICATE SHALL REMAIN IN FORCE UNTIL THE EXPIRATION DATE UNLESS REVOKED OR VOIDED BEFORE THAT TIME.
THIS CERTIFICATE IS NOT TRANSFERABLE AND IS VALID ONLY FOR THE ABOVE PARTY.

COPY OF THIS CERTIFICATE MUST BE ON SITE AT ALL TIMES.

Appendix X
Project Abatement Cost Quote

March 23, 2022

Atlas Project Number: 208BS02380

Mansfield Environmental Abatement Group, Inc.

PO Box 8535
Essex, VT 05451-8535
(802) 878-9975 Phone
(802) 878-9986 Fax

QUOTE

January 31,2022

Atlas
51 Knight Lane
Williston VT

RE: Memorial Auditorium, 250 Main St, Burlington VT

Mansfield Environmental Abatement Group, Inc. would like to thank you for the opportunity to quote you for the abatement of the **A**sbestos **C**ontaining **M**aterial, see Provided list, Floor tile, mastic, cove base, TSI/MJP, Concrete skim coat, and window caulking, at 250 Main st, Burlington VT.

JOB DESCRIPTION:

- Removal & Disposal of ACM Martial(Atlas List) Per VRAC 2.4.2
- Construct Decontamination structure adjacent the work area
- Construct Air tight enclosure around work area with plastic, and tape
- Use plastic, tape, staples, and wood strapping to create work area
- Use ride on floor machine, and grinding methods for Floor tile and mastic
- Use man lifts to get all ACM caulking
- All work performed under negative pressure enclosure with HEPA filter
- Visual Inspection & Aggressive Air testing by outside 3rd party as required by law(owner)
- Supply all materials and labor to complete project
- All moveable objects should be moved prior to the start of the project
- All waste to be disposed of in an EPA approved landfill, manifest to be provided upon final disposal.
- All work to be done in accordance with State of Vermont, OSHA, and EPA regulations governing asbestos removal.

Price for the above

$325,000.00

****Includes all waste disposal, DOH permit, Lift rentals**

Estimated duration

6-8 weeks

Quoted by

Dan King

Professionals Servicing Professionals