Appendix K - Part 9 - Appendix B

Standard Operating Procedures

FUSS & O'NEILL

M E M O R A N D U M

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DATE: December 22, 2020

RE: Bulk and Substrate Sampling Procedures for Burlington High School

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This memorandum summarizes the testing practices and procedures to be used for bulk and substrate sampling of potential PCB containing materials at the Burlington High School (BHS). The sample collection and analysis procedures documented herein shall be followed for all bulk and substrate sampling. The proposed sampling is to be conducted to determine PCB content of bulk materials or products at the BHS.

The proposed sampling of building products shall help to ensure PCB content of materials for proper disposal for those materials and products to be impacted by the proposed renovations at BHS. The sampling shall also be utilized to inform decisions related to future investigations and remedial pilot projects to determine and demonstrate effective removal of identified materials and products to reduce PCBs within indoor air.

Potential PCB Containing Material Sampling

The proposed materials to be sampled include the listed products by building as the current round of potential PCB containing products in the tables attached as Attachment A. The tables show the proposed number of samples, the square footage of each product type, as well as the number of products. Each building has a separate table for the proposed samples.

- The sample locations proposed have been selected to be representative for each initial grouping of like materials based on color, texture, type, style/pattern and use.
- Data gathered in the field for specific locations and estimated total quantities have been included in tables.
- The proposed number of samples to be collected is based on a minimum of two samples of each like material.
- Where material locations are limited to a single room a minimum of two samples shall be collected.

- Where estimated material quantity exceeds 10,000 (square feet) SF a sample at a frequency of approximately 50% of locations or rooms represented by the total quantity has been proposed.
- Selected locations for samples have been included in the table and shall be the basis for field work.
- The selected locations include factors such as prior testing for indoor air has occurred within the locations.
- Locations which represent a greater quantity of the materials have also been used as a factor for selection.

Sample Collection Procedures – Bulk Sampling

The following description includes the tools, personal protective equipment, and equipment decontamination procedure.

Tools and Supplies

- Hand tools (disposable tools shall be used whenever possible)
- Caulking gun
- Disposable gloves
- Safety glasses
- Hexane wash procedure kit
- Bucket
- Paper towels
- Disposal bags
- 4 oz. glass jars
- Cooler

Personal Protective Equipment

- Gloves
- Safety glasses
- HEPA filtered half-face mask – supplemental testing – adjacent surface sampling
- Tyvek suits – supplemental testing – adjacent surface sampling

Equipment Decontamination Procedure

- Tap water
- Soapy water
- DI water
- Hexane or methane
- DI water

Bulk Sample (Source Material) Collection Procedures

Specific locations to be sampled have been selected based on factors such as color, texture, type, style/pattern and use. Samplers shall visually confirm materials represent the above during their sampling. If any differences are noted in the materials from other sampling locations, denote these differences but still collect the samples.

Specific product recommendations:

- Caulking or other seam sealant materials such as ducts – visually observe caulk or sealant product for confirmation of color and texture. Denote substrates materials are applied to such as metal window frame, metal duct etc. and adjacent substrates such as brick, CMU, concrete plaster etc. Scrape to remove caulk from substrate completely to full depth of joint. Denote any backing materials or rods in place behind caulk or sealants. Note any differences visually observed such as different colors indicating possible multi-layered caulks.
- Mastic and adhesives associated with Floor tile, carpet, sheet flooring, stair treads and ceramic flooring – remove sufficient flooring from the proposed sampling location including small pieces. Set flooring aside for disposal or reinstallation upon completing mastic sampling. DO NOT scrape mastic from backs of floor tiles. Sampling shall be performed by removing mastic specifically from concrete substrates using hand held tools. Scrape sufficient quantity of mastic which may require multiple tiles worth of mastic. Ensure mastic is visibly homogenous in color and denote any differences such as mixed colors or if leveling materials or compounds are observed.
- Vinyl Cove Base Adhesives – remove sufficient vinyl cove base from wall surface and set aside for disposal or reinstallation upon completing adhesive sampling. DO NOT scrape mastic from backs of base. Sampling shall be performed by removing adhesive specifically from substrates using hand held tools. Scrape sufficient quantity of adhesive taking care to not include any substrate materials in the sample. Substrate materials may include plaster, CMU, concrete or stucco. Ensure adhesives are visibly homogenous in color and denote any differences such as mixed colors if observed. Denote substrate type from which materials were removed.
- Ceiling tiles – ceiling tiles have been identified by differences in size and pattern styles. Care shall be taken to ensure the ceiling tiles match the like material sampling number and pattern before sampling. Denote any differences in backing color of ceiling tiles which could indicate a different installation period (e.g.; red backed tiles). If a brand name is visible on back side of tiles denote this information. Sample ceiling tile to include full thickness of tile including any paint on finished side.
- Ceramic Wall Tile and Mirror Adhesives – remove sufficient tile or mirror from wall surface and set aside for disposal or reinstallation upon completing adhesive sampling. DO NOT scrape mastic from backs of material. Sampling shall be performed by removing adhesive specifically from substrates using hand held tools. Scrape sufficient quantity of adhesive taking care to not include any substrate materials in the sample. Substrate materials may include plaster, CMU,

concrete or stucco. Ensure adhesives are visibly homogenous in color and denote any differences such as mixed colors if observed. Denote substrate type from which materials were removed.

- Glue Daubs associated with ceiling tiles - remove sufficient ceiling tiles from ceiling surface and set aside for disposal or reinstallation upon completing adhesive sampling. DO NOT scrape mastic from backs of ceiling tiles. Sampling shall be performed by removing adhesive specifically from substrates using hand tools. Scrape sufficient quantity of adhesive taking care to not include any substrate materials in the sample. This includes removing residual ceiling tile if left on face of glue daub. Substrate materials may include plaster, CMU, concrete or stucco. Ensure adhesives are visibly homogenous in color and denote any differences such as mixed colors if observed. Denote substrate type from which materials were removed.

Sample collection Procedure

1. Pre-clean equipment/tools to be used to collect source material (hexane or equivalent wash procedure);
2. Put on disposable gloves;
3. Collect bulk sample of source material and place in 4 oz. glass jar;
4. Label sampling container and Chain of Custody;
5. Store collected bulk samples in cooler;
6. Dispose of sample equipment such as razor knife blades etc. if not proposing for reuse.

Repeat process for each individual sample collected.

Sample Documentation

- Site and location of the sample extraction - diagram
- Date on each page
- Exact times of sampling events or visual observations
- Types of samples collected and sample identification numbers
- Number of samples collected
- Specific description of sample locations
- Description of sampling method
  - Aroclor analysis is EPA Method 8082
- Field observations (see notes for specific products to include)
- Name of all field personnel

Sample Collection Procedures – Substrate Sampling

Initial phase of sampling shall be for bulk product or source materials. Based on the results of testing, sampling of substrates to determine impacts may be required to determine PCB content. Substrate testing will not be conducted until it can be determined locations which will include a determination of

PCB content for source products first. The PCB content is necessary in order to ensure that known concentrations of source are used in determining locations for substrates.

The following procedures are to collect samples from porous substrate materials to determine the presence and extent of PCB contamination from source materials.

Site Preparations

- Polyethylene or equivalent
- Tape
    - Cover surrounding work areas with poly (wall and floor surfaces) in order to prevent contamination of adjoining surfaces
    - Seal with tape
- HEPA Vacuum
- Waste disposal bag

Tools and Supplies

- PPE (tyvek suit, mask, gloves, eye and hearing protection)
- Rotary impact hammer drill with half-inch and one-inch carbide drill bit (depending on multi-depth sampling)
- Demolition hammer
- Wash procedure supplies (including paper towels and disposal bags
- Poly/tape
- HEPA vacuum
- Aluminum foil - used to aid in sample collection
- 2-4 oz. glass jar for sample collection

Standard Operating Procedure (SOP) for Sampling Concrete in the Field, Region I, EPA – New England

Sampling of masonry in accordance with EPA "Standard Operating Procedures (SOP) for Sampling Porous Materials for PCBs" - (dated May 5, 2011)

1. This sampling involves complete removal of bulk product materials (source materials) at sampling locations using hand tools (intent is to ensure complete removal of source material prior to sampling adjacent surfaces).

2. Once removal of all visible source material is performed, the porous surfaces will be cleaned using cleaning product (Simple Green) with a wire brush followed by rinsing the surface with distilled water.

3. Porous surfaces will be sampled using a mechanical hammer drill to obtain samples at depths of 0 to 0.5 inch depth and 0.5 to 1 inch depths where possible based on material matrix. Place collected sample in laboratory supplied 4 oz. glass jar.

4. Store collected samples in cooler.

5. Tools utilized to collect samples will be cleaned using hexane wash series including soapy water, distilled clean water and hexane between sampling.

Repeat process for each sample collected.

Sample Documentation

- Site and location of the sample extraction - diagram
- Date on each page
- Exact times of sampling events or visual observations
- Types of samples collected and sample identification numbers
- Number of samples collected
- Specific description of sample locations
- Description of sampling methods
  - Aroclor analysis is EPA Method 8082
- Field observations
- Name of all field personnel

Analysis

Samples will be analyzed using EPA Method 3500B/3540C (Soxhlet Region 1) for extraction and analysis of samples using EPA Method 8082.

Laboratory

The bulk and substrate samples will be sent to Con-Test Laboratory (Con-Test) of East Longmeadow, Massachusetts for analysis of PCBs using EPA Method 3500B/3540C (Soxhlet Region 1) for extraction and analysis of samples using EPA Method 8082. Con-Test was recently acquired by Pace Analytical; the transition of Con-Test will occur during the first quarter of 2021.

The samples will be analyzed in accordance with the Con-Test's PCB analysis by gas-chromatography procedure, which is included as Attachment C.

Con-Test (Pace) has a method for florisil cleanup of solvent extracts of PCB
samples by solid phase extraction cartridges. Each cartridge is washed with solvent prior to use.
The sample is loaded onto the cartridge which is then eluted with 90:10 Hexane/Acetone, then

concentrated to a known volume. All sample extracts that are cleaned up using this procedure, must also have associated method blanks and LCS samples cleaned up using this procedure. A copy of Con-Test's procedure is included as Attachment C.

Quality Assurance / Quality Control

A duplicate sample as a split sample shall be obtained for bulk samples at a frequency of one per 50 samples. Duplicates shall be labeled as blind samples to laboratory on chain of custody forms. For duplicates, the field samplers shall predetermine and ensure sufficient sample volume of materials are present for duplicates.

Laboratory detection limits will be at 0.5 parts per million (ppm) and turnaround time for samples will be 10 business days.

Attachment A – Sampling Location Tables

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		Multiple	12 Rooms		sq. ft.	0					
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		3	315		sq. ft.						
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		3	313		sq. ft.						
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		3	Mezzanine		sq. ft.						
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		3	Above Stage		sq. ft.						
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		3	Catwalk above Auditorium		sq. ft.						
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		4	404 (suite)		sq. ft.						
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		4	407		sq. ft.						
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		4	408		sq. ft.						
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		4	408A		sq. ft.						
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		4	410		sq. ft.		above ceiling tile				
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		4	416		sq. ft.						
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		4	416A		sq. ft.						
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	Multiple	15 Rooms	8,125	sq. ft.	0					Only test mastic for PCBs at this time.
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	1	101	140	sq. ft.		Throughout	4			
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	-	01 (stairwell)	740	sq. ft.		Throughout	4		21.5	
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	1	02 (hall)	202	sq. ft.		under carpet	4			
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	1	102 (Bike Storage)	132	sq. ft.		Throughout	4			
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	1	03 (hall)	240	sq. ft.		Throughout	4			
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	-	04 (stairwell)	570	sq. ft.		Throughout	4		48,52	
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	-	06 (stairwell)	370	sq. ft.		Landing and 2nd floor	4			
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	3	324	140	sq. ft.		Throughout	4		17	
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	3	7 Hallway	1072	sq. ft.		Throughout	4		40	
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	3	8 Stairwell	555	sq. ft.		Throughout	4		69	
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	3	09 Stairwell	370	sq. ft.		Throughout	4		39	
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	3	10 Hallway	3114	sq. ft.		Throughout	4		22.8	
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	3	Lobby (Auditorium Entry)	200	sq. ft.		Throughout	4		40	
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	4	402	140	sq. ft.		Throughout	4			
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	2	201	140	sq. ft.		Throughout	4			
A28	Mastic	associated with A27	Black	Multiple	15 Rooms	8,125	sq. ft.	3					3 samples proposed. One sample per approx. 2,500 sq ft.
A28	Mastic	associated with A27	Black	1	101	140	sq. ft.		Throughout	4			
A28	Mastic	associated with A27	Black	-	01 (stairwell)	740	sq. ft.		Throughout	4		21.5	
A28	Mastic	associated with A27	Black	1	02 (hall)	202	sq. ft.		under carpet	4			
A28	Mastic	associated with A27	Black	1	102 (Bike Storage)	132	sq. ft.		Throughout	4			
A28	Mastic	associated with A27	Black	1	03 (hall)	240	sq. ft.		Throughout	4			
A28	Mastic	associated with A27	Black	-	04 (stairwell)	570	sq. ft.	1	Throughout	4		48,52	
A28	Mastic	associated with A27	Black	-	06 (stairwell)	370	sq. ft.		Landing and 2nd floor	4			
A28	Mastic	associated with A27	Black	3	324	140	sq. ft.		Throughout	4		17	
A28	Mastic	associated with A27	Black	3	7 Hallway	1072	sq. ft.		Throughout	4		40	
A28	Mastic	associated with A27	Black	3	8 Stairwell	555	sq. ft.	1	Throughout	4		69	

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A28	Mastic	associated with A27	Black	3	09 Stairwell	370	sq. ft.		Throughout	4		39	
A28	Mastic	associated with A27	Black	3	10 Hallway	3114	sq. ft.		Throughout	4		22.8	
A28	Mastic	associated with A27	Black	3	Lobby (Auditorium Entry)	200	sq. ft.	1	Throughout	4		40	
A28	Mastic	associated with A27	Black	4	402	140	sq. ft.		Throughout	4			
A28	Mastic	associated with A27	Black	2	201	140	sq. ft.		Throughout	4			
A29	Covebase	4" brown	Brown	Multiple	13 Rooms	585	sq. ft.	0					Only test mastic for PCBs at this time. 4* base would be 1757 LF
A29	Covebase	4" brown	Brown	1	101	22	sq. ft.		Throughout	3			
A29	Covebase	4" brown	Brown	-	01 (stairwell)	9	sq. ft.		Throughout top landing (4th Floor)	3		21.5	
A29	Covebase	4" brown	Brown	1	102 (Bike Storage)	16	sq. ft.		Throughout	3			
A29	Covebase	4" brown	Brown	1	03 (hall)	44	sq. ft.		Throughout	3			
A29	Covebase	4" brown	Brown	-	04 (stairwell)	52	sq. ft.		Throughout	3		48,52	
A29	Covebase	4" brown	Brown	3	324	22	sq. ft.		Throughout	3		17	
A29	Covebase	4" brown	Brown	3	7 Hallway	94	sq. ft.		Throughout	3		40	
A29	Covebase	4" brown	Brown	3	8 Stairwell	40	sq. ft.		Throughout	3		69	
A29	Covebase	4" brown	Brown	3	09 Stairwell	28	sq. ft.		Throughout	3		39	
A29	Covebase	4" brown	Brown	3	10 Hallway	182	sq. ft.		Throughout	3		22.8	
A29	Covebase	4" brown	Brown	4	402	22	sq. ft.		Throughout	3			
A29	Covebase	4" brown	Brown	4	411	32	sq. ft.		Throughout	3			
A29	Covebase	4" brown	Brown	2	201	22	sq. ft.		Throughout	3			
A30	Adhesive	associated with A29	Yellow	Multiple	13 Rooms	585	sq. ft.	3					4* base would be 1757 LF. One sample per < 200 sq ft.
A30	Adhesive	associated with A29	Yellow	1	101	22	sq. ft.		Throughout	3			
A30	Adhesive	associated with A29	Yellow	-	01 (stairwell)	9	sq. ft.		Throughout top landing (4th Floor)	3		21.5	
A30	Adhesive	associated with A29	Yellow	1	102 (Bike Storage)	16	sq. ft.		Throughout	3			
A30	Adhesive	associated wit A29	Yellow	1	03 (hall)	44	sq. ft.		Throughout	3			
A30	Adhesive	associated wit A29	Yellow	-	04 (stairwell)	52	sq. ft.	1	Throughout	3		48,52	
A30	Adhesive	associated with A29	Yellow	3	324	22	sq. ft.		Throughout	3		17	
A30	Adhesive	associated with A29	Yellow	3	7 Hallway	94	sq. ft.		Throughout	3		40	
A30	Adhesive	associated wit A29	Yellow	3	8 Stairwell	40	sq. ft.	1	Throughout	3		69	
A30	Adhesive	associated wit A29	Yellow	3	09 Stairwell	28	sq. ft.		Throughout	3		39	
A30	Adhesive	associated wit A29	Yellow	3	10 Hallway	182	sq. ft.	1	Throughout	3		22.8	
A30	Adhesive	associated with A39	Yellow	4	402	22	sq. ft.		Throughout	3			
A30	Adhesive	associated with A29	Yellow	4	411	32	sq. ft.		Throughout	3			
A30	Adhesive	associated with A29	Yellow	2	201	22	sq. ft.		Throughout	3			
A31	Stair Tread Material	raised horizontal lines, brown		Multiple	8 Rooms	2,267	sq. ft.	0					Only test mastic for PCBs at this time.
A31	Stair Tread Material	raised horizontal lines, brown		-	01 (stairwell)	561	sq. ft.		Throughout	37		21.5	
A31	Stair Tread Material	raised horizontal lines, brown		1	03 (hall)	30	sq. ft.		Throughout	37			
A31	Stair Tread Material	raised horizontal lines, brown		-	04 (stairwell)	380	sq. ft.		Throughout	37		48,52	
A31	Stair Tread Material	raised horizontal lines, brown		-	06 (stairwell)	280	sq. ft.		Throughout	37			
A31	Stair Tread Material	raised horizontal lines, brown		2	205C	16	sq. ft.		Throughout	37	170		

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A31	Stair Tread Material	raised horizontal lines, brown		3	8 Stairwell	420	sq. ft.		Throughout	37		69	
A31	Stair Tread Material	raised horizontal lines, brown		3	09 Stairwell	280	sq. ft.		Throughout	37		39	
A31	Stair Tread Material	raised horizontal lines, brown		3	Lobby (Auditorium Entry)	300	sq. ft.		Throughout Entry to Auditorium	37		40	
A32	Adhesive	associated with A31	White/Gray/Yellow	Multiple	8 Rooms	2,267	sq. ft.	3					
A32	Adhesive	associated with A31	White/Gray/Yellow	-	01 (stairwell)	561	sq. ft.		Throughout	37		21.5	
A32	Adhesive	associated with A31	White/Gray/Yellow	1	03 (hall)	30	sq. ft.		Throughout	37			
A32	Adhesive	associated with A31	White/Gray/Yellow	-	04 (stairwell)	380	sq. ft.	1	Throughout	37		48,52	
A32	Adhesive	associated with A31	White/Gray/Yellow	-	06 (stairwell)	280	sq. ft.		Throughout	37			
A32	Adhesive	associated with A31	White/Gray/Yellow	2	205C	16	sq. ft.	1	Throughout	37	170		
A32	Adhesive	associated with A31	White/Gray/Yellow	3	8 Stairwell	420	sq. ft.	1	Throughout	37		69	
A32	Adhesive	associated with A31	White/Gray/Yellow	3	09 Stairwell	280	sq. ft.		Throughout	37		39	
A32	Adhesive	associated with A31	White/Gray/Yellow	3	Lobby (Auditorium Entry)	300	sq. ft.	1	Throughout Entry to Auditorium	37		40	
A33	Window Caulking	Metal Casing to CMU	Gray/White	Multiple	14 Rooms		LF	0					Previosusly smapled (PCB A33A*)
A33	Window Caulking	Metal Casing to CMU	Gray/White	-	01 (stairwell)					12		21.5	
A33	Window Caulking	Metal casing to CMU	Gray/White	1	03 (hall)	-	-						
A33	Window Caulking	Metal casing to CMU	Gray/White	1	109	-	-						
A33	Window Caulking	Metal casing to CMU	Gray/White	1	111	-	-						
A33	Window Caulking	Metal casing to CMU	Gray/White	1	112	-	-						
A33	Window Caulking	Metal casing to CMU	Gray/White	1	113	-	-						
A33	Window Caulking	Metal casing to CMU	Gray/White	1	115/116	-	-						
A33	Window Caulking	Metal casing to CMU	Gray/White	1	118	-	-						
A33	Window Caulking	Metal casing to CMU	Gray/White	1	119	-	-						
A33	Window Caulking	Metal casing to CMU	Gray/White	2	202B Exercise Room	-	-				12		
A33	Window Caulking	CMU to Metal Casing	Gray/White	2	203	-	-				81		
A33	Window Caulking	CMU to Metal Casing	Gray/White	3	322								
A33	Window Caulking	CMU to Metal Casing	Gray/White	3	320B								
A33	Window Caulking	CMU to Metal Casing	Gray/White	3	Lobby							40	
A34	Window Caulking	Metal casing to metal sill	White	Multiple	14 Rooms		LF	0					Previosuly sampled (PCB A34A)
A34	Window Caulking	Metal casing to metal sill	White	-	01 (stairwell)					12		21.5	
A34	Window Caulking	Metal casing to metal sill	White	1	03 (hall)	-	-						
A34	Window Caulking	Metal casing to metal sill	White	1	109	-	-						
A34	Window Caulking	Metal casing to metal sill	White	1	111	-	-						
A34	Window Caulking	Metal casing to metal sill	White	1	112	-	-						
A34	Window Caulking	Metal casing to metal sill	White	1	113	-	-						
A34	Window Caulking	Metal casing to metal sill	White	1	115/116	-	-						
A34	Window Caulking	Metal casing to metal sill	White	1	118	-	-						
A34	Window Caulking	Metal casing to metal sill	White	1	119	-	-						
A34	Window Caulking	Metal casing to metal sill	White	2	202B Exercise Room	-	-				12		
A34	Window Caulking	Metal casing to metal sill	White	2	203	-	-				81		
A34	Window Caulking	Metal casing to metal sill	White	3	322								

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A34	Window Caulking	Metal casing to metal sill	White	3	320B								
A34	Window Caulking	Metal casing to metal sill	White	3	Lobby							40	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	Multiple	26 Rooms	11,574	sq. ft.	12					12 of 26 rooms to be samples. Approx 1 sample per 1,000 sq ft.
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	1	02 (hall)	202	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	1	104	257	sq. ft.	1	North section only	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	2	13 Hallway	52	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	2	14 Hallway	64	sq. ft.	1	Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	2	15 Hallway	78	sq. ft.	1	Throughout	22		48.8	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	320	1524	sq. ft.	1	Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	320D	61	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	7 Hallway	1089	sq. ft.	1	Throughout	22		40	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	09 Stairwell	200	sq. ft.	1	Throughout	22		39	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	10 Hallway	1557	sq. ft.	1	Throughout	22		22.8	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	Lobby	590	sq. ft.		Throughout	22		40	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	308F	38	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	308E	54	sq. ft.	1	Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	308	196	sq. ft.		Throughout	22		37	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	310	94	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	321	90	sq. ft.		Throughout	22		7.6	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	323	257	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	312J	54	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	312P	71	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	312 Cafeteria	2855	sq. ft.	1	Throughout	22		6.9	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	312 Cafeteria/ Snackbar Entry	325	sq. ft.	1	Throughout	22		5.8	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	4	414	180	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	4	414A	114	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	4	415	1125	sq. ft.	1	Throughout	22	22	17	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	4	415A	218	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	4	416B	229	sq. ft.	1	Throughout	22			
A36	Suspended Ceiling Tile	2' x 2', dense fissures with pinholes	Gray/White	Multiple	8 Rooms	2,723	sq. ft.	3					3 of 8 rooms to be sampled. Approx. 1 sample per
A36	Suspended Ceiling Tile	2' x 2', dense fissures with pinholes	Gray/White	1	104	257	sq. ft.	1	North section only	23			
A36	Suspended Ceiling Tile	2' x 2' Dense fissures with pinholes	Gray/White	2	13 Hallway	52	sq. ft.		Throughout	23			
A36	Suspended Ceiling Tile	2' x 2' Dense fissures with pinholes	Gray/White	2	14 Hallway	64	sq. ft.		Throughout	23			
A36	Suspended Ceiling Tile	2' x 2' Dense fissures with pinholes	Gray/White	2	15 Hallway	78	sq. ft.	1	Throughout	23		48.8	
A36	Suspended Ceiling Tile	2' x 2' Dense fissures with pinholes	Gray/White	3	10 Hallway	1557	sq. ft.	1	Throughout	23		22.8	
A36	Suspended Ceiling Tile	2' x 2' Dense fissures with pinholes	Gray/White	3	Lobby	590	sq. ft.		Throughout	23		40	
A36	Suspended Ceiling Tile	2' x 2' Dense fissures with pinholes	Gray/White	3	312J	54	sq. ft.		Throughout	23			
A36	Suspended Ceiling Tile	2' x 2' Dense fissures with pinholes	Gray/White	3	312P	71	sq. ft.		Throughout	23			
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	Multiple	19 Rooms	3,598	sq. ft.	3					

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	1	108	122	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	1	05 (hall)	1056	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	1	103 Office	90	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	1	103E	76	sq. ft.		Throughout				
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	2	208C	205	sq. ft.	1	Throughout	264		6.9	
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	2	214A	36	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	2	218	48	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	2	13 Hallway	52	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	2	14 Hallway	64	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	2	15 Hallway	78	sq. ft.	1	Throughout	264		48.8	
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	3	318A	89	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	3	Lobby	590	sq. ft.		Throughout	264		40	
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	3	325	125	sq. ft.		Throughout	264		15.9	
A37	Suspended Ceiling Tile	2' x 2' dense pinholes with fissures	Gray/White	3	316 storage	51	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' dense pinholes with fissures	Gray/White	3	316 locker room	57	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' dense pinholes with fissures	Gray/White	3	312F	231	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' dense pinholes with fissures	Gray/White	3	312 Cafeteria/ Snackbar Eater	325	sq. ft.	1	Throughout	264		5.8	
A37	Suspended Ceiling Tile	2' x 2' dense pinholes with fissures	Gray/White	4	406	80	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' dense pinholes with fissures	Gray/White	4	406C	223	sq. ft.		Throughout	264			
A38	Suspended Ceiling Tile	2' x 2' acoustical fiberglass	Tan/White	2	2 Rooms	1,010	sq. ft.	3					
A38	Suspended Ceiling Tile	2' x 2' acoustical fiberglass	Tan/White	2	11 Hall	932	sq. ft.	2	Throughout	286		30.9	
A38	Suspended Ceiling Tile	2' x 2' acoustical fiberglass	Tan/White	2	15 Hallway	78	sq. ft.	1	Throughout	286		48.8	
A39	Covebase	4" black	Black	Multiple	39 Rooms	1,086	sq. ft.	0					4" base is 3,258 LF. Only test mastic for PCBs at this time.
A39	Covebase	4" black	Black	-	01 (stairwell)	10	sq. ft.		1st Floor Only	41/314		21.5	
A39	Covebase	4" black	Black	1	02 (hall)	26	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	1	104	64	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	1	105	10	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	1	106A	18	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	1	106	58	sq. ft.		Throughout	41/314	260		
A39	Covebase	4" black	Black	1	107	16	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	1	108	16	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	3	Lobby	56	sq. ft.		Throughout	41/314		40	
A39	Covebase	4" black	Black	1	112	15	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	1	113	15	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	1	115/116	20	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	1	118	14	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	1	119	14	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	1	05 (hall)	124	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	2	202	24	sq. ft.		Throughout	41/314			

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A39	Covebase	4" black	Black	2	12 Hallway	80	sq. ft.		Throughout	41/314		25	
A39	Covebase	4" black	Black	2	13 Hallway	28	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	2	14 Hallway	36	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	2	15 Hallway	34	sq. ft.		Throughout	41/314		48.8	
A39	Covebase	4" black	Black	3	7 Hallway	7	sq. ft.		Throughout	41/314		40	
A39	Covebase	4" black	Black	3	305	25	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	3	308B	14	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	3	308C	14	sq. ft.		Throughout	41/314		57	
A39	Covebase	4" black	Black	3	308E	10	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	3	310	6	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	3	321	13	sq. ft.		Throughout	41/314		7.6	
A39	Covebase	4" black	Black	3	323	28	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	3	316	5	sq. ft.		Southeast section only	41/314		15.7,33.6,18.7	
A39	Covebase	4" black	Black	3	312F	18	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	4	404 (suite)	58	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	4	407	40	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	4	406	14	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	4	406A	10	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	4	406B	20	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	4	408	12	sq. ft.			41/314			
A39	Covebase	4" black	Black	4	408A	22	sq. ft.			41/314			
A39	Covebase	4" black	Black	4	410	16	sq. ft.			41/314			
A39	Covebase	4" black	Black	4	17 Hallway	76	sq. ft.			41/314			
A40	Adhesive	associated with A39		Multiple	39 Rooms	1,086	sq. ft.	3					4" base is 3,258 LF
A40	Adhesive	associated with A39		-	01 (stairwell)	10	sq. ft.	1	1st Floor Only	41/314		21.5	
A40	Adhesive	associated with A39		1	02 (hall)	26	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	104	64	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	105	10	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	106A	18	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	106	58	sq. ft.	1	Throughout	41/314	260		
A40	Adhesive	associated with A39		1	107	16	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	108	16	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	112	15	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	113	15	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	115/116	20	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	118	14	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	119	14	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	05 (hall)	124	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		2	202	24	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		2	12 Hallway	80	sq. ft.		Throughout	41/314		25	

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A40	Adhesive	associated with A39		2	13 Hallway	28	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		2	14 Hallway	36	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		2	15 Hallway	34	sq. ft.		Throughout	41/314		48.8	
A40	Adhesive	associated with A39		3	7 Hallway	7	sq. ft.		Throughout	41/314		40	
A40	Adhesive	associated with A39		3	305	25	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		3	Lobby	56	sq. ft.		Throughout	41/314		40	
A40	Adhesive	associated with A39		3	308B	14	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		3	308C	14	sq. ft.	1	Throughout	41/314		57	
A40	Adhesive	associated with A39		3	308E	10	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		3	310	6	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		3	321	13	sq. ft.		Throughout	41/314		7.6	
A40	Adhesive	associated with A39		3	323	28	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		3	316	5	sq. ft.		Southeast section only	41/314		15.7,33.6,18.7	
A40	Adhesive	associated with A39		3	312F	18	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		4	404 (suite)	58	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		4	407	40	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		4	406	14	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		4	406A	10	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		4	406B	20	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		4	408	12	sq. ft.			41/314			
A40	Adhesive	associated with A39		4	408A	22	sq. ft.			41/314			
A40	Adhesive	associated with A39		4	410	16	sq. ft.			41/314			
A40	Adhesive	associated with A39		4	17 Hallway	76	sq. ft.			41/314			
A41	Vinyl Floor Tile	12" x 12" white with blue streaks	White	1	6 Rooms	1870	sq. ft.	0					
A41	Vinyl Floor Tile	12" x 12" white with blue streaks	White	1	112	121	sq. ft.		Throughout	54/61			
A41	Vinyl Floor Tile	12" x 12" white with blue streaks	White	1	113	130	sq. ft.		Throughout	54/61			
A41	Vinyl Floor Tile	12" x 12" white with blue streaks	White	1	115/116	328	sq. ft.		Throughout	54/61			
A41	Vinyl Floor Tile	12" x 12" white with blue streaks	White	1	118	117	sq. ft.		Throughout	54/61			
A41	Vinyl Floor Tile	12" x 12" white with blue streaks	White	1	119	118	sq. ft.		Throughout	54/61			
A41	Vinyl Floor Tile	12" x 12" white with blue streaks	White	1	05 (hall)	1056	sq. ft.		Throughout	54/61			
A42	Vinyl Floor Tile	12" x 12" shades of blue	Blue	1	1 Rooms	1056	sq. ft.	0					Only test mastic for PCBs at this time.
A42	Vinyl Floor Tile	12" x 12" shades of blue	Blue	1	05 (hall)	1056	sq. ft.		Throughout	54/61			
A43	Mastic	associated with A41	Black/Beige/Yellow	1	6 Rooms	1870	sq. ft.	3					*
A43	Mastic	associated with A41	Black/Beige/Yellow	1	112	121	sq. ft.	1	Throughout	54/61			
A43	Mastic	associated with A41	Black/Beige/Yellow	1	113	130	sq. ft.		Throughout	54/61			
A43	Mastic	associated with A41	Black/Beige/Yellow	1	115/116	328	sq. ft.		Throughout	54/61			
A43	Mastic	associated with A41	Black/Beige/Yellow	1	118	117	sq. ft.	1	Throughout	54/61			
A43	Mastic	associated with A41	Black/Beige/Yellow	1	119	118	sq. ft.		Throughout	54/61			
A43	Mastic	associated with A41 and A42	Black/Beige/Yellow	1	05 (hall)	1056	sq. ft.	1	Throughout	54/61			
A44	Glue Daubs	associated with A48		Multiple	5 Rooms	10104	sq. ft.	5					

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A44	Glue Daubs	associated with A48		1	104	2233	sq. ft.	1	Throughout	16			
A44	Glue Daubs	associated with A48		1	106A	154	sq. ft.		Throughout	16			
A44	Glue Daubs	associated with A48		1	106	730	sq. ft.	1	Throughout	16	260		
A44	Glue Daubs	Associated with A48		-	06 (stairwell)	200	sq. ft.	1	2nd floor	16			
A44	Glue Daubs	associated with A48		3	Auditorium	6787	sq. ft.	2	Throughout	16	17	20	
A45/45.1	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	Multiple	37 Rooms	14355	sq. ft.	0					Not mastic
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	1	109	302	sq. ft.		Throughout	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	1	110	16	sq. ft.		South wall	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	1	111	302	sq. ft.		Throughout	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	1	05 (hall)	15	sq. ft.		water fountain	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	1	103D	225	sq. ft.		Shower Stalls	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	203	36	sq. ft.		East wall	49/51/274	81		
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	206B	608	sq. ft.		Showers	49/51/274		10	
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	208E	940	sq. ft.		Showers	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	208F	915	sq. ft.		Showers and Bathroom Areas	49/51/274		11	
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	210A	262	sq. ft.		Throughout	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	214A	244	sq. ft.		Shower Area	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	218A	186	sq. ft.		Shower Area	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	224	2205	sq. ft.		Shower and Bathroom Areas	49/51/274	14	19	
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	222	16	sq. ft.		Shower Area	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	Nordic Ski Room	630	sq. ft.		Throughout	49/51/274		17	
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	322	30	sq. ft.		At entrance, north wall	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	320	30	sq. ft.		southeast corner	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	318	30	sq. ft.		east wall	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	7 Hallway	16	sq. ft.		at water fountain	49/51/274		40	
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	311	60	sq. ft.		at east and west walls	49/51/274	1.1		
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	315	16	sq. ft.			49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	304B	144	sq. ft.		throughout	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	304D	144	sq. ft.		throughout	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	317	896	sq. ft.		assumed under newer ceramic wall tile	49/51/274		6.5	
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	319	688	sq. ft.		assumed under newer ceramic wall tile	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	321A	232	sq. ft.		throughout	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	316	1207	sq. ft.		throughout	49/51/274		15.7,33.6,18.7	
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312F	432	sq. ft.		throughout	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312	2124	sq. ft.		throughout	49/51/274	12	5.8	
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312L	198	sq. ft.		throughout	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312N	270	sq. ft.		throughout	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312M	612	sq. ft.		throughout	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312R	16	sq. ft.			49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312 Cafeteria Snackbar/ Eatery/Hall	260	sq. ft.		east wall at Snack Bar	49/51/274		5.8	

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	4	407	16	sq. ft.			49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	4	409	16	sq. ft.		south wall	49/51/274			
A45.1	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312	16	sq. ft.		south section	49/51/274	12	5.8	
A46/46.1	Adhesive (noted previously as Mortar)	associated with 4" ceramic wall tile, yellow/gray/blue	Gray	Multiple	37 Rooms	14355	sq. ft.	7					*
A46	Adhesive (noted previously as Mortar)	associated with 4" ceramic wall tile, yellow/gray/blue	Gray	1	109	302	sq. ft.		Throughout	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with 4" ceramic wall tile, yellow/gray/blue	Gray	1	110	16	sq. ft.		South Wall	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with 4" ceramic wall tile, yellow/gray/blue	Gray	1	111	302	sq. ft.	1	Throughout	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	1	05 (hall)	15	sq. ft.		water fountain	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with 4" ceramic wall tile, yellow/gray/blue	Gray	1	103D	225	sq. ft.		Shower Stalls	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	2	203	36	sq. ft.	1	East wall	49/51/274	81		
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	2	206B	608	sq. ft.		Showers	49/51/274		10	
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	2	208E	940	sq. ft.		Showers	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	2	208F	915	sq. ft.	1	Showers and Bathroom Areas	49/51/274		11	
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	2	210A	262	sq. ft.		Throughout	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	2	214A	244	sq. ft.		Shower Area	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	2	218A	186	sq. ft.		Shower Area	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	2	224	2205	sq. ft.	1	Shower and Bathroom Areas	49/51/274	14	19	
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	2	222	16	sq. ft.		Shower Area	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	2	Nordic Ski Room	630	sq. ft.		Throughout	49/51/274		17	
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	322	30	sq. ft.		At entrance, north wall	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	320	30	sq. ft.		southeast corner	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	318	30	sq. ft.		east wall	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	7 Hallway	16	sq. ft.		at water fountain	49/51/274		40	
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	311	60	sq. ft.	1	at east and west walls	49/51/274	1.1		
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	315	16	sq. ft.			49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	304B	144	sq. ft.		throughout	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	304D	144	sq. ft.		throughout	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	317	896	sq. ft.		assumed under newer ceramic wall tile	49/51/274		6.5	
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	319	688	sq. ft.		assumed under newer ceramic wall tile	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	321A	232	sq. ft.		throughout	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	316	1207	sq. ft.		throughout	49/51/274		15.7,33.6,18.7	
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	312F	432	sq. ft.		throughout	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	312	2124	sq. ft.	1	throughout	49/51/274	12	5.8	
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	312L	198	sq. ft.		throughout	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	312N	270	sq. ft.		throughout	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	312M	612	sq. ft.		throughout	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	312R	16	sq. ft.			49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	312 Cafeteria Snackbar/ Entry/Hall	260	sq. ft.	1	east wall at Snack Bar	49/51/274		5.8	

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A46	Adhesive (noted previously as Mortar)	associated with	Gray	4	407	16	sq. ft.		south wall	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	4	409	16	sq. ft.			49/51/274			
A46.1	Adhesive (noted previously as Mortar)	associated with A45.1	Gray	3	312	16	sq. ft.		south section	49/51/274	12	5.8	
A47	Door Caulking	Metal casing to CMU	Beige	Multiple	3 Rooms		LF	0					PS – PCB A47 A,B
A47	Door Caulking	Metal casing to CMU	Beige	1	104	-	-						
A47	Door Caulking	Metal casing to CMU	Beige	1	107	-	-						
A47	Door Caulking	Metal casing to wall	Beige	3	Auditorium						17	20	
A48	Ceiling Tile	1'x 1' dense fissures	Gray/White	Multiple	10 Rooms	10918	sq. ft.	10					
A48	Ceiling Tile	1'x 1' dense fissures	Gray/White	1	104	2233	sq. ft.	1	Throughout	16			
A48	Ceiling Tile	1' x 1' dense fissures	Gray/White	1	106A	154	sq. ft.		Throughout	16			
A48	Ceiling Tile	1' x 1' dense fissures	Gray/White	1	106	730	sq. ft.	1	Throughout	16	260		
A48	Ceiling Tile	1' x 1' dense fissures	Gray/White	1	112	121	sq. ft.	1	Throughout	16			
A48	Ceiling Tile	1' x 1' dense fissures	Gray/White	1	113	130	sq. ft.	1	Throughout	16			
A48	Ceiling Tile	1' x 1' dense fissures	Gray/White	1	115/116	328	sq. ft.	1	Throughout	16			
A48	Ceiling Tile	1' x 1' dense fissures	Gray/White	1	118	117	sq. ft.	1	Throughout	59			
A48	Ceiling Tile	1' x 1' dense fissures	Gray/White	1	119	118	sq. ft.	1	Throughout	59			
A48	Ceiling Tile	1' x 1' dense fissures	Gray/White	-	06 (stairwell)	200	sq. ft.	1	2nd floor	16			
A48	Ceiling Tile	1' x 1' dense fissures	Gray/White	3	Auditorium	6787	sq. ft.	2	Throughout	16	17	20	
A49	Adhesive	associated with pressed board (peg board)		Multiple	6 Rooms	626	sq. ft.	3					Assumed asbestos not sampled
A49	Adhesive	associated with pressed board (peg board)		1	106	10	sq. ft.	1	East wall	57	260		
A49	Adhesive	associated with pressed board (peg board)		1	115/116	208	sq. ft.		East and West walls	57			
A49	Adhesive	associated with pressed board (peg board)		1	118	102	sq. ft.		West Wall	57			
A49	Adhesive	associated with pressed board (peg board)		1	119	102	sq. ft.		West Wall	57			
A49	Adhesive	associated with pressed board (peg board)		1	103 Tool Storage	144	sq. ft.	1	north wall	57			
A49	Adhesive	associated with pressed board (peg board)		2	203C	60	sq. ft.	1	west wall	57			
A50	Concrete Patching	associated with Crrugated Roof Decking		1	3 Rooms		sq. ft.	0					Assumed asbestos not sampled
A50	Concrete Patching	associated with Crrugated Roof Decking		1	107	-	-						
A50	Concrete Patching	associated with Crrugated Roof Decking		1	108	-	-						
A50	Concrete Patching	associated with Corrugated Metal Roof Deck		1	110	-	-						
A51	Grout	associated with 1" ceramic floor tile gray with white specks and	Gray	Multiple	14 Rooms	2370	sq. ft.	0					Not mastic
A51	Grout	1" ceramic floor tile gray with white specks and green with	Gray	1	109	105	sq. ft.		Throughout	46/253/ 274			
A51	Grout	1" ceramic floor tile gray with white specks and green with	Gray	1	111	105	sq. ft.		Throughout	46/253/ 274			
A51	Grout	1" ceramic floor tile gray with white specks and green with	Gray	2	206B	165	sq. ft.		Showers	46/253/ 274		10	
A51	Grout	1" ceramic floor tile gray with white specks and green with	Gray	2	208B	66	sq. ft.		South section only	46/253/ 274			
A51	Grout	1" ceramic floor tile gray with white specks and green with	Gray	2	208E	352	sq. ft.		Showers	46/253/ 274			
A51	Grout	1" ceramic floor tile gray with white specks and green with	Gray	2	208F	482	sq. ft.		Showers and Bathroom Areas	46/253/ 274		11	
A51	Grout	1" ceramic floor tile gray with white specks and green with	Gray	2	210A	62	sq. ft.		Throughout	46/253/ 274			
A51	Grout	1" ceramic floor tile gray with white specks and green with	Gray	2	214A	42	sq. ft.		Shower Area	46/253/ 274			
A51	Grout	1" ceramic floor tile gray with white specks and green with	Gray	2	218A	39	sq. ft.		Shower Area	46/253/ 274			
A51	Grout	1" ceramic floor tile gray with white specks and green with	Gray	2	224	377	sq. ft.		Bathroom Area	46/253/ 274	14	19	

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A51	Grout	1" ceramic floor tile gray with white specks and green with associated with	Gray	2	Nordic Ski Room	198	sq. ft.		Shower Area	46/253/274		17	
A51	Grout	1" ceramic floor tile gray with white specks and green with associated with	Gray	3	317	190	sq. ft.		Throughout (assumed under newer ceramic floor tile)	46/253/274		6.5	
A51	Grout	1" ceramic floor tile gray with white specks and green with associated with	Gray	3	319	138	sq. ft.		Throughout (assumed under newer ceramic floor tile)	46/253/274			
A51	Grout	1" ceramic floor tile gray with white specks and green with associated with	Gray	3	321A	49	sq. ft.		throughout	46/253/274			
A52	Adhesive	associated with A51	Gray	Multiple	14 Rooms	2370	sq. ft.	3					
A52	Adhesive	associated with A51	Gray	1	109	105	sq. ft.	1	Throughout	46/253/274			
A52	Adhesive	associated with A51	Gray	1	111	105	sq. ft.		Throughout	46/253/274			
A52	Adhesive	associated with A51	Gray	2	206B	165	sq. ft.		Showers	46/253/274		10	
A52	Adhesive	associated with A51	Gray	2	208B	66	sq. ft.		South section only	46/253/274			
A52	Adhesive	associated with A51	Gray	2	208E	352	sq. ft.		Showers	46/253/274			
A52	Adhesive	associated with A51	Gray	2	208F	482	sq. ft.		Showers and Bathroom Areas	46/253/274		11	
A52	Adhesive	associated with A51	Gray	2	210A	62	sq. ft.		Throughout	46/253/274			
A52	Adhesive	associated with A51	Gray	2	214A	42	sq. ft.		Shower Area	46/253/274			
A52	Adhesive	associated with A51	Gray	2	218A	39	sq. ft.		Shower Area	46/253/274			
A52	Adhesive	associated with A51	Gray	2	224	377	sq. ft.	1	Bathroom Area	46/253/274	14	19	
A52	Adhesive	associated with A51	Gray	2	Nordic Ski Room	198	sq. ft.		Shower Area	46/253/274		17	
A52	Adhesive	associated with A51	Gray	3	317	190	sq. ft.	1	Throughout (assumed under newer ceramic floor tile)	46/253/274		6.5	
A52	Adhesive	associated with A51	Gray	3	319	138	sq. ft.		Throughout (assumed under newer ceramic floor tile)	46/253/274			
A52	Adhesive	associated with A51	Gray	3	321A	49	sq. ft.		throughout	46/253/274			
A54	Grout	associated with ceramic floor tile 6" tan quarry tile	Gray	3	1 Room		sq. ft.	0					Not mastic
A54	Grout	associated with ceramic floor tile 6" tan quarry tile	Gray	3	Bistro								
A55	Adhesive	associated with A54	White	3	1 Room		sq. ft.	3					Not mastic
A55	Adhesive	associated with A54	White	3	Bistro			3					
A56	Adhesive	associated with Mirrors		Multiple	18 Rooms	91	sq. ft.	3					Assumed asbestos not sampled
A56	Adhesive	associated with Mirrors		1	109	6	sq. ft.	1	East Wall	48/277			
A56	Adhesive	associated with Mirrors		1	111	6	sq. ft.		West Wall	48/277			
A56	Adhesive	associated with Mirrors		2	224	6	sq. ft.	1		48/277	14	19	
A56	Adhesive	associated with Mirrors		2	206B	6	sq. ft.			48/277		10	
A56	Adhesive	associated with Mirrors		2	210A	3	sq. ft.			48/277			
A56	Adhesive	associated with Mirrors		2	218A	3	sq. ft.			48/277			
A56	Adhesive	associated with Mirrors		2	202B	16	sq. ft.			48/277			
A56	Adhesive	associated with Mirrors		3	312L	3	sq. ft.			48/277			
A56	Adhesive	associated with Mirrors		3	312N	3	sq. ft.			48/277			
A56	Adhesive	associated with Mirrors		3	304B	3	sq. ft.			48/277			
A56	Adhesive	associated with Mirrors		3	304D	3	sq. ft.			48/277			
A56	Adhesive	associated with Mirrors		3	317	6	sq. ft.		north wall	48/277		6.5	
A56	Adhesive	associated with Mirrors		3	319	6	sq. ft.		north wall	48/277			
A56	Adhesive	associated with Mirrors		3	321A	3	sq. ft.			48/277			
A56	Adhesive	associated with Mirrors		2	208E	3	sq. ft.			48/277			
A56	Adhesive	associated with Mirrors		2	208F	3	sq. ft.			48/277		11	

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A56	Adhesive	associated with Mirrors		2	224	12	sq. ft.	1		48/277	14	19	
A58	Fire Stop Caulk	-	Red	Multiple	2 Rooms		sq. ft.	0					Post 1980 installation
A58	Fire Stop Caulk	-	Red	1	102 (Bike Storage)	-	-						
A58	Fire Stop Caulk	-	Red	2	205B Area Inaccessible	-	-						
A59	Vinyl Floor Tile	9" x 9" gray with white steaks		Multiple	5 Rooms	3111	sq. ft.	0					Only test mastic *
A59	Vinyl Floor Tile	9" x 9" gray with white steaks		1	105	48	sq. ft.		Throughout	26			
A59	Vinyl Floor Tile	9" x 9" gray with white steaks		1	106A	154	sq. ft.		Throughout	26			
A59	Vinyl Floor Tile	9" x 9" gray with white steaks		1	107	150	sq. ft.		Throughout	26			
A59	Vinyl Floor Tile	9" x 9" gray with white steaks		1	108	127	sq. ft.		Throughout	26			
A59	Vinyl Floor Tile	9" x 9" gray with white steaks		3	Auditorium	2632	sq. ft.		throughout (under carpet)	26	17	20	
A60	Mastic	associated with A59		Multiple	5 Rooms	3111	sq. ft.	3					
A60	Mastic	associated with A59		1	105	48	sq. ft.	1	Throughout	26			
A60	Mastic	associated with A59		1	106A	154	sq. ft.		Throughout	26			
A60	Mastic	associated with A59		1	107	150	sq. ft.	1	Throughout	26			
A60	Mastic	associated with A59		1	108	127	sq. ft.		Throughout	26			
A60	Mastic	associated with A59		3	Auditorium	2632	sq. ft.	1	throughout (under carpet)	26	17	20	
A61	Paint	Gypsum Wall Board		Multiple	2 Rooms		sq. ft.	TBD					
A61	Paint	Gypsum Wall Board		1	104	-	-						
A61	Gypsum Wall Board	-		3	Auditorium						17	20	
A67	Vinyl Floor Tile	12" x 12", white with black and gray streaks	Gray	1	1 Room	514	sq. ft.	0					Only test mastic *
A67	Vinyl Floor Tile	12" x 12", white with black and gray streaks	Gray	1	104	514	sq. ft.		North section only	19			
A68	Mastic	associated with A67	Black	1	1 Room	514	sq. ft.	2					*
A68	Mastic	associated with A67	Black	1	104	514	sq. ft.	2	North section only	19			
A70	Mastic	associate with grey carpet squares	Yellow	3	1 Room	500	sq. ft.	2					
A70	Mastic	associate with grey carpet squares	Yellow	3	Lobby	500	sq. ft.	2	East Section, At Main Entrance	101		40	
A71	Caulking	associated with stair stringer (metal to CMU)		Multiple	3 Rooms	302	LF	0					PS – PCB A71A, B*
A71	Caulking	associated with stair stringer (metal to CMU)		-	01 (stairwell)	180	lnft			86		21.5	
A71	Caulking	associated with stair stringer (metal to CMU)		-	04 (stairwell)	122	lnft		Throughout	86		48,52	
A71	Caulking	associated with stair stringer (metal to CMU)		3	8 Stairwell					86		69	
A75	Suspended Ceiling Tile	2' x 4' Deep Length Fissures	Gray/White	Multiple	4 Rooms	560	sq. ft.	3					
A75	Suspended Ceiling Tile	2' x 4' Deep Length Fissures	Gray/White	1	101	140	sq. ft.		Throughout	2			
A75	Suspended Ceiling Tile	2' x 4' Deep Length Fissures	Gray/White	3	324	140	sq. ft.	1	Throughout	2		17	
A75	Suspended Ceiling Tile	2' x 4' Deep Length Fissures	Gray/White	4	402	140	sq. ft.	1	Throughout	2			
A75	Suspended Ceiling Tile	2' x 4' Deep Length Fissures	Gray/White	2	201	140	sq. ft.	1	Throughout	2			
A81	Sink Undercoating	gray	Gray	1	1 Room	9	sq. ft.	1					
A81	Sink Undercoating	gray	Gray	1	103D	9	sq. ft.	1	at west wall	-			
A82	Adhesive	associated with vinyl sheet paneling	Tan	1	1 Room	720	sq. ft.	2					
A82	Adhesive	associated with vinyl sheet paneling	Tan	1	103 Paint Room	720	sq. ft.	2	Throughout	352			
A83	Duct Seam Sealant	Metal Ductwork	Gray	1	1 Room		sq. ft.	2					
A83	Duct Seam Sealant	Metal Ductwork	Gray	1	103	-	-	2	Throughout	NS	38		

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A90	Adhesive	associated with lockers		1	9 Rooms		sq. ft.	3					Assumed asbestos not sampled
-	Adhesive	associated with lockers		1	103D	-	-		south wall	349			
A90	Adhesive	associated with lockers		2	11 Hall	-	-	1	east wall	268/285		30.9	
A90	Adhesive	associated with lockers		2	206B	-	-			268/285		10	
A90	Adhesive	associated with lockers		2	208D	-	-			268/285			
A90	Adhesive	associated with lockers		2	208E	-	-			268/285			
A90	Adhesive	associated with lockers		2	208F	-	-	1		268/285		11	
A90	Adhesive	associated with lockers		2	Nordic Ski Room	-	-	1		268/285		17	
A90	Adhesive	associated with lockers		4	17 Hallway	-	-			268/285			
A90	Adhesive	associated with lockers		2	210	-	-			268/285			
A91	Duct Seam Sealant	Metal Ductwork	Gray	Multiple	11 Rooms	54	sq. ft.	3					
A91	Duct Seam Sealant	Metal Ductwork	Gray	2	206B	3	sq. ft.			254		10	
A91	Duct Seam Sealant	Metal Ductwork	Gray	2	208D	3	sq. ft.			254			
A91	Duct Seam Sealant	Metal Ductwork	Gray	2	208E	3	sq. ft.			254			
A91	Duct Seam Sealant	Metal Ductwork	Gray	2	208F	9	sq. ft.	1		254		11	
A91	Duct Seam Sealant	Metal Ductwork	Gray	2	222	3	sq. ft.			254			
A91	Duct Seam Sealant	Metal Ductwork	Gray	2	12 Hallway	9	sq. ft.	1		254		25	
A91	Duct Seam Sealant	Metal Ductwork	Gray	2	16 Hallway	3	sq. ft.			254			
A91	Duct Seam Sealant	Metal Ductwork	Gray	2	Nordic Ski Room	3	sq. ft.	1		254		17	
A91	Duct Seam Sealant	Metal Ductwork	Gray	3	320C	3	sq. ft.			254			
A91	Duct Seam Sealant	Metal Ductwork	Gray	3	Mezzanine	12	sq. ft.			254			
A91	Duct Seam Sealant	Metal Ductwork	Gray	3	312H	3	sq. ft.			165			
A92	Vinyl Floor Tile	9" x 9" gray with black streaks		Multiple	11 Rooms	10889	sq. ft.	0					Only test mastic *
A92	Vinyl Floor Tile	9" x 9" gray with black streaks		-	06 (stairwell)	60	sq. ft.		2nd floor	175			
A92	Vinyl Floor Tile	9" x 9", light gray with black and white streaks		2	202	230	sq. ft.		Throughout	175			
A92	Vinyl Floor Tile	9" x 9", light gray with black and white streaks		2	202B Exercise Room	4694	sq. ft.		Throughout	175	12		
A92	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		2	206 (Entry)	20	sq. ft.		Throughout	175			
A92	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		2	206 A	192	sq. ft.			175			
A92	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		2	15 Hallway	393	sq. ft.			175		48.8	
A92	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		3	312Q	80	sq. ft.			175			
A92	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		3	312 Cafeteria	4736	sq. ft.			175		6.9	
A92	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		4	408	101	sq. ft.			175			
A92	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		4	408A	232	sq. ft.			175			
A92	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		4	410	151	sq. ft.			175			
A93	Mastic	associated with A92		Multiple	11 Rooms	10889	sq. ft.	12					
A93	Mastic	associated with A92		-	06 (stairwell)	60	sq. ft.	1	2nd floor	175			
A93	Mastic	associated with A92		2	202	230	sq. ft.	1	Throughout	175			
A93	Mastic	associated with A92		2	202B Exercise Room	4694	sq. ft.	2	Throughout	175	12		
A93	Mastic	associated with A92		2	206 (Entry)	20	sq. ft.	1		175			
A93	Mastic	associated with A92		2	206 A	192	sq. ft.	1		175			

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A93	Mastic	associated with A92		2	15 Hallway	393	sq. ft.	1		175		48.8	
A93	Mastic	associated with A92		3	312Q	80	sq. ft.	1		175			
A93	Mastic	associated with A92		3	312 Cafeteria	4736	sq. ft.	1		175		6.9	
A93	Mastic	associated with A92		4	408	101	sq. ft.	1		175			
A93	Mastic	associated with A92		4	408A	232	sq. ft.	1		175			
A93	Mastic	associated with A92		4	410	151	sq. ft.	1		175			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	Multiple	29 Rooms	10123	sq. ft.	15					
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	-	01 (stairwell)	209	sq. ft.	1	Throughout top landing (4th Floor)	113		21.5	
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	-	04 (stairwell)	288	sq. ft.	1	Throughout top landing	113		48,52	
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	2	203B	69	sq. ft.		Throughout	113			
A94	Suspended Ceiling Tile	2' x 2' Dense deep fissures	Gray/White	2	214	89	sq. ft.	1	Throughout	113			
A94	Suspended Ceiling Tile	2' x 2' Dense deep fissures	Gray/White	2	214A	36	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Dense deep fissures	Gray/White	2	218	48	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Dense deep fissures	Gray/White	2	15 Hallway	78	sq. ft.	1		113		48.8	
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	8 Stairwell	1089	sq. ft.	1		113		69	
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	09 Stairwell	200	sq. ft.	1		113		39	
A94	Suspended Ceiling Tile	2' x 2' Dense deep fissures	Gray/White	3	Lobby	590	sq. ft.	1		113		40	
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	302	170	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	304	500	sq. ft.	1		113	24	54	
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	304A	97	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	304E	51	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	304F	165	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	306	135	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	308F	38	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	308A	104	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	308B	104	sq. ft.	1		113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	308C	104	sq. ft.	1		113		57	
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	308D	93	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	308	196	sq. ft.			113		37	
A94	Suspended Ceiling Tile	2' x 2' Dense deep fissures	Gray/White	3	325	125	sq. ft.	1		113		15.9	
A94	Suspended Ceiling Tile	2' x 2' Dense deep fissures	Gray/White	3	314	691	sq. ft.	1		113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	312 Cafeteria	2855	sq. ft.	1		113		6.9	
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	Cafeteria/ Snackbar	325	sq. ft.			113		5.8	
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	4	406A	74	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	4	410	151	sq. ft.	1		113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	4	17 Hallway	928	sq. ft.	1		113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	4	411	521	sq. ft.	1		113			
A95	Silver Coating	associated with hood rivets	Silver	2	1 Room	60	sq. ft.	2					
A95	Silver Coating	associated with hood rivets	Silver	2	203A	60	sq. ft.	2	North wall	292			
A96	Vinyl Floor Tile	12" x 12" dark blue with light blue	Blue	2	1 Room	205	sq. ft.	0					Only test mastic.

Building A - Proposed Bulk Material Sampling Summary

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A96	Vinyl Floor Tile	12" x 12" dark blue with light blue	Blue	2	208C	205	sq. ft.		Throughout	265		6.9	
A97	Mastic	associated with A96	Brown/Yellow	2	1 Room	205	sq. ft.	2					
A97	Mastic	associated with A96	Brown/Yellow	2	208C	205	sq. ft.	2	Throughout	265		6.9	
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	Multiple	12 Rooms	2080	sq. ft.	0					Only test mastic.
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	2	218	97	sq. ft.			116			
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	2	218A	76	sq. ft.			116			
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	3	302	370	sq. ft.			116			
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	3	304	500	sq. ft.			116	24	54	
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	3	304A	97	sq. ft.			116			
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	3	304E	51	sq. ft.			116			
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	3	304F	165	sq. ft.			116			
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	3	306	135	sq. ft.			116			
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	3	308F	76	sq. ft.			116			
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	3	308A	104	sq. ft.			116			
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	3	308D	93	sq. ft.			116			
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	3	308	316	sq. ft.			116		37	
A100	Mastic	Mastic Adhesive associated with A99 floor tile	Yellow	Multiple	12 Rooms	2080	sq. ft.	3					
A100	Mastic	associated with A99	Yellow	2	218	97	sq. ft.	1		116			
A100	Mastic	associated with A99	Yellow	2	218A	76	sq. ft.			116			
A100	Mastic	associated with A99	Yellow	3	302	370	sq. ft.	1		116			
A100	Mastic	associated with A99	Yellow	3	304	500	sq. ft.	1		116	24	54	
A100	Mastic	associated with A99	Yellow	3	304A	97	sq. ft.			116			
A100	Mastic	associated with A99	Yellow	3	304E	51	sq. ft.			116			
A100	Mastic	associated with A99	Yellow	3	304F	165	sq. ft.			116			
A100	Mastic	associated with A99	Yellow	3	306	135	sq. ft.			116			
A100	Mastic	associated with A99	Yellow	3	308F	76	sq. ft.			116			
A100	Mastic	associated with A99	Yellow	3	308A	104	sq. ft.			116			
A100	Mastic	associated with A99	Yellow	3	308D	93	sq. ft.			116			Assumed asbestos
A100	Mastic	associated with A99	Yellow	3	308	316	sq. ft.			116		37	Not mastic
A101	Adhesive	associated with Bulletin Board/Chalkboard/Blackboards		Multiple	5 Rooms		sq. ft.	3					
A101	Adhesive	associated with Bulletin Board/Chalkboard/Blackboards		2	205F	-	-	1	South wall	130/213/219			
A101	Adhesive	associated with Bulletin board/ chalkboard/blackboard		2	208B	-	-			130/213/219			
A101	Adhesive	associated with Bulletin board/ chalkboard/blackboard		2	208D	-	-		west wall	130/213/219			
A101	Adhesive	associated with Bulletin Board/chalkboard/blackboard		3	304	-	-	1		130/213/219	24	54	
A101	Adhesive	associated with Bulletin Board/chalkboard/blackboard		3	306	-	-	1		130/213/219			
A104	Carpet Mastic	with rolled carpet, blue	Yellow	2	2 Rooms		sq. ft.	3					
A104	Carpet Mastic	with rolled carpet, blue	Yellow	2	205E	0	sq. ft.	1	removed	-			
A104	Carpet Mastic	with rolled carpet, blue	Yellow	2	205F	0	sq. ft.	2	removed	-			
A108	Vinyl Floor Tile	9" x 9" red with white streaks		Multiple	10 Rooms	4590	sq. ft.	0					Only test mastic. *.
A108	Vinyl Floor Tile	9" x 9" red with white streaks		2	14 Hallway	204	sq. ft.			200			

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A108	Vinyl Floor Tile	9" x 9" red with white streaks		4	404 (suite)	1383	sq. ft.			200			
A108	Vinyl Floor Tile	9" x 9" red with white streaks		4	407	885	sq. ft.			200			
A108	Vinyl Floor Tile	9" x 9" red with white streaks		4	406	80	sq. ft.			200			
A108	Vinyl Floor Tile	9" x 9" red with white streaks		4	406A	74	sq. ft.			200			
A108	Vinyl Floor Tile	9" x 9" red with white streaks		4	406B	324	sq. ft.			200			
A108	Vinyl Floor Tile	9" x 9" red with white streaks		4	406C	223	sq. ft.			200			
A108	Vinyl Floor Tile	9" x 9" red with white streaks		4	416B	229	sq. ft.			200			
A108	Vinyl Floor Tile	9" x 9" red with white streaks		4	17 Hallway	928	sq. ft.			200			
A108	Vinyl Floor Tile	9" x 9" red with white streaks		4	413	260	sq. ft.		under carpet	200			
A109	Mastic	associated with A108	Black	Multiple	10 Rooms	4590	sq. ft.	5					
A109	Mastic	associated with A108	Black	2	14 Hallway	204	sq. ft.	1		200			
A109	Mastic	associated with A108	Black	4	404 (suite)	1383	sq. ft.	1		200			
A109	Mastic	associated with A108	Black	4	407	885	sq. ft.	1		200			
A109	Mastic	associated with A108	Black	4	406	80	sq. ft.			200			
A109	Mastic	associated with A108	Black	4	406A	74	sq. ft.			200			
A109	Mastic	associated with A108	Black	4	406B	324	sq. ft.			200			
A109	Mastic	associated with A108	Black	4	406C	223	sq. ft.			200			
A109	Mastic	associated with A108	Black	4	416B	229	sq. ft.			200			
A109	Mastic	associated with A108	Black	4	17 Hallway	928	sq. ft.	1		200			
A109	Mastic	associated with A108	Black	4	413	260	sq. ft.	1	under carpet	200			
A110	Suspended Ceiling Tile	2' x 4' Gypsum Board		2	1 Room	1597	sq. ft.	1					
A110	Suspended Ceiling Tile	2' x 4' Gypsum Board		2	224	1597	sq. ft.	1	Throughout	331	14	19	
A111	Covebase	6" black	Black	3	2 Rooms	238	sq. ft.	0					Only test mastic.
A111	Covebase	6" black	Black	3	312 Cafeteria	150	sq. ft.		throughout	183		6.9	
A111	Covebase	6" black	Black	3	312 Cafeteria Snackbar/ Entry/Hall	88	sq. ft.		throughout	183		5.8	
A112	Adhesive	associated with A111	Beige/Yellow	3	2 Rooms	238	sq. ft.	2					
A112	Adhesive	associated with A111	Beige/Yellow	3	312 Cafeteria	150	sq. ft.	1	throughout	183		6.9	
A112	Adhesive	associated with A111	Beige/Yellow	3	312 Cafeteria Snackbar/ Entry/Hall	88	sq. ft.	1	throughout	183		5.8	
A113/113.1	Vinyl Floor Tile	12" x 12" shades of gray	Blue	3	4 Rooms	1405	sq. ft.	0					Only test mastic.
A113	Vinyl Floor Tile	12" x 12" shades of gray	Blue	3	312J	108	sq. ft.			181			
A113	Vinyl Floor Tile	12" x 12" shades of gray	Blue	3	312P	142	sq. ft.			181			
A113	Vinyl Floor Tile	12" x 12" shades of gray	Blue	3	312 Cafeteria Snackbar/ Entry/Hall	975	sq. ft.			181		5.8	
A113.1	Vinyl Floor Tile	12" x 12" shades of blue	Blue	3	312 Cafeteria Snackbar/ Entry/Hall	180	sq. ft.			182		5.8	
A114	Mastic	associated with A113	Black/Yellow	3	3 Rooms	1405	sq. ft.	3					
A114	Mastic	associated with A113	Black/Yellow	3	312J	108	sq. ft.	1		181			
A114	Mastic	associated with A113	Black/Yellow	3	312P	142	sq. ft.	1		181			
A114	Mastic	associated with A113	Black/Yellow	3	312 Cafeteria Snackbar/ Entry/Hall	975	sq. ft.					5.8	
A114	Mastic	associacted with A113 & A113.1	Black/Yellow	3	312 Cafeteria Snackbar/ Entry/Hall	180	sq. ft.	1		181		5.8	
A115	Vinyl Floor Tile	9" x 9" Dark Gray with white markings		3	3 Rooms	934	sq. ft.	0					Only test mastic.
A115	Vinyl Floor Tile	9" x 9" Dark Gray with white markings		3	314	755	sq. ft.			156			

Building A - Proposed Bulk Material Sampling Summary

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A115	Vinyl Floor Tile	9" x 9" Dark Gray with white markings		3	316	40	sq. ft.			156		15.7,33.6,18.7	
A115	Vinyl Floor Tile	9" x 9" Dark Gray with white markings		3	312F	139	sq. ft.			156			
A116	Mastic	associated with A115	Black	3	3 Rooms	934	sq. ft.	3					
A116	Mastic	associated with A115	Black	3	314	755	sq. ft.	1		156			
A116	Mastic	associated with A115	Black	3	316	40	sq. ft.	1		156		15.7,33.6,18.7	
A116	Mastic	associated with A115	Black	3	312F	139	sq. ft.	1		156			
A117	Grout	associated with 6" quarry tile	Gray/Black	3	7 Rooms		sq. ft.	0					Not mastic
A117	Grout	associated with 6" quarry tile	Gray/Black	3	316							15.7,33.6,18.7	
A117	Grout	associated with 6" quarry tile	Gray/Black	3	312F								
A117	Grout	associated with 6" quarry tile	Gray/Black	3	312						12	5.8	
A117	Grout	associated with 6" quarry tile	Gray/Black	3	312K								
A117	Grout	associated with 6" quarry tile	Gray/Black	3	312L								
A117	Grout	associated with 6" quarry tile	Gray/Black	3	312N								
A117	Grout	associated with 6" quarry tile	Gray/Black	3	312M								
A118	Mortar	associated with A117	Gray/Black	3	7 Rooms		sq. ft.	0					Not mastic
A118	Mortar	associated with A117	Gray/Black	3	316							15.7,33.6,18.7	
A118	Mortar	associated with A117	Gray/Black	3	312F								
A118	Mortar	associated with A117	Gray/Black	3	312						12	5.8	
A118	Mortar	associated with A117	Gray/Black	3	312K								
A118	Mortar	associated with A117	Gray/Black	3	312L								
A118	Mortar	associated with A117	Gray/Black	3	312K								
A118	Mortar	associated with A117	Gray/Black	3	312L								
A118	Mortar	associated with A117	Gray/Black	3	312N								
A118	Mortar	associated with A117	Gray/Black	3	312M								
A124	Suspended Ceiling Tile	2' x 2' gypsum board		3	1 Room	1069	sq. ft.	0					
A124	Suspended Ceiling Tile	2' x 2' gypsum board		3	316	1069	sq. ft.			153		15.7,33.6,18.7	
A125	Vinyl Floor Tile	12" x 12" light gray with black and white streaks	Gray	Multiple	3 Rooms	525	sq. ft.	0					Only test mastic.
A125	Vinyl Floor Tile	12" x 12" light gray with black and white streaks	Gray	3	316 storage	51	sq. ft.			157			
A125	Vinyl Floor Tile	12" x 12" light gray with black and white streaks	Gray	3	316 locker room	57	sq. ft.			157			
A125	Vinyl Floor Tile	12" x 12" light gray with black and white streaks	Gray	4	404 (suite)	417	sq. ft.			157			
A126	Mastic	associated with A125		Multiple	3 Rooms	525	sq. ft.	3					
A126	Mastic	associated with A125		3	316 storage	51	sq. ft.	1		157			
A126	Mastic	associated with A125		3	316 locker room	57	sq. ft.	1		157			
A126	Mastic	associated with A125		4	404 (suite)	417	sq. ft.	1		157			
A130	Carpet Mastic	associated with carpet	Brown	3	1 Room	691	sq. ft.	2					
A130	Carpet Mastic	associated with carpet	Brown	3	314	691	sq. ft.	2	Throughout	151			
A134	Adhesive	associated with A135/4" black (newer)	Black	Multiple	27 Rooms	745	sq. ft.	0					
A134	Adhesive	associated with A135	Black	1	103 Office	12	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	2	205E	12	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	3	322	88	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	3	320	52	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	3	325	42	sq. ft.		Throughout	71		15.9	

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A134	Covebase	4" black (newer)	Black	3	316 storage	11	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	3	316 locker room	11	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	3	312F	18	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	3	312J	14	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	3	312P	16	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	4	404 (suite)	70	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	4	407	30	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	4	406	14	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	406C	22	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	412	16	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	414	19	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	414A	14	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	415	48	sq. ft.		Throughout	71/237	22	17	
A134	Covebase	4" black (newer)	Black	4	415A	20	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	416	38	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	416A	22	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	416B	20	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	418	9	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	417	17	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	17 Hallway	76	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	413	22	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	1	103 Office	12	sq. ft.		Throughout	71			
A135	Adhesive	associate with A134	Beige	Multiple	25 Rooms	721	sq. ft.	7					
A135	Adhesive	associate with A134	Beige	2	205E	12	sq. ft.	1	Throughout	71			
A135	Adhesive	associated with A134	Beige	3	322	88	sq. ft.		Throughout	71			
A135	Adhesive	associated with A134	Beige	3	320	52	sq. ft.		Throughout	71			
A135	Adhesive	associated with A134	Beige	3	325	42	sq. ft.	1	Throughout	71		15.9	
A135	Adhesive	associated with A135	Beige	3	316 storage	11	sq. ft.	1	Throughout	71			
A135	Adhesive	associated with A135	Beige	3	316 locker room	11	sq. ft.		Throughout	71			
A135	Adhesive	associated with A134	Beige	3	312F	18	sq. ft.		Throughout	71			
A135	Adhesive	associated with A134	Beige	3	312J	14	sq. ft.		Throughout	71			
A135	Adhesive	associated with A134	Beige	3	312P	16	sq. ft.		Throughout	71			
A135	Adhesive	associated with A134	Beige	4	404 (suite)	70	sq. ft.	1	Throughout	71			
A135	Adhesive	associated with A134	Beige	4	407	30	sq. ft.		Throughout	71			
A135	Adhesive	associated with A134	Beige	4	406	14	sq. ft.		Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	406C	22	sq. ft.		Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	412	16	sq. ft.		Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	414	19	sq. ft.		Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	414A	14	sq. ft.		Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	415	48	sq. ft.	1	Throughout	71/237	22	17	

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A135	Adhesive	associated with A134	Beige	4	415A	20	sq. ft.		Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	416	38	sq. ft.		Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	416A	22	sq. ft.	1	Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	416B	20	sq. ft.		Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	418	9	sq. ft.		Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	417	17	sq. ft.		Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	17 Hallway	76	sq. ft.	1	Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	413	22	sq. ft.		Throughout	71/237			
A137	Vinyl Floor Tile	9" x 9" brown with dark brown and white streaks		3	7 Rooms	954	sq. ft.	0					Only test mastic. *.
A137	Vinyl Floor Tile	9" x 9" brown with dark brown and white streaks		3	308B	104	sq. ft.		throughout	133			
A137	Vinyl Floor Tile	9" x 9" brown with dark brown and white streaks		3	308C	104	sq. ft.		throughout	133		57	
A137	Vinyl Floor Tile	9" x 9" brown with dark brown and white streaks		3	308E	56	sq. ft.		throughout	133			
A137	Vinyl Floor Tile	9" x 9" brown with dark brown and white streaks		3	310	92	sq. ft.		throughout	133			
A137	Vinyl Floor Tile	9" x 9" brown with dark brown and white streaks		3	321	90	sq. ft.		throughout	133		7.6	
A137	Vinyl Floor Tile	9" x 9" brown with dark brown and white streaks		3	323	257	sq. ft.		throughout	133			
A137	Vinyl Floor Tile	9" x 9" brown with dark brown and white streaks		3	325	251	sq. ft.		throughout and under carpet	133		15.9	
A138	Mastic	associated with A137		3	7 Rooms	954	sq. ft.	3					
A138	Mastic	associated with A137		3	308B	104	sq. ft.		throughout	133			
A138	Mastic	associated with A137		3	308C	104	sq. ft.	1	throughout	133		57	
A138	Mastic	associated with A137		3	308E	56	sq. ft.		throughout	133			
A138	Mastic	associated with A137		3	310	92	sq. ft.		throughout	133			
A138	Mastic	associated with A137		3	321	90	sq. ft.	1	throughout	133		7.6	
A138	Mastic	associated with A137		3	323	257	sq. ft.		throughout	133			
A138	Mastic	associated with A137		3	325	251	sq. ft.	1	throughout and under carpet	133		15.9	
A139	Vinyl Floor Tile	12" x 12" white with brown streaks	White	3	1 Room	76	sq. ft.	0					Only test mastic.
A139	Vinyl Floor Tile	12" x 12" white with brown streaks	White	3	323	76	sq. ft.			144			
A140	Mastic	associated with A139	Gray/Yellow	3	1 Room	76	sq. ft.	2					
A140	Mastic	associated with A139	Gray/Yellow	3	323	76	sq. ft.	2		144			
A141	Covebase	4" beige	Beige	3	3 Rooms	69	sq. ft.	0					Only test mastic.
A141	Covebase	4" beige	Beige	3	308F	10	sq. ft.		Throughout	137			
A141	Covebase	4" beige	Beige	3	308A	13	sq. ft.		Throughout	137			
A141	Covebase	4" beige	Beige	3	308	46	sq. ft.		Throughout	137		37	
A142	Adhesive	associated with A141	Yellow/Brown	3	3 Rooms	69	sq. ft.	3					
A142	Adhesive	associated with A141	Yellow/Brown	3	308F	10	sq. ft.	1	Throughout	137			
A142	Adhesive	associated with A141	Yellow/Brown	3	308A	13	sq. ft.	1	Throughout	137			
A142	Adhesive	associated with A141	Yellow/Brown	3	308	46	sq. ft.	1	Throughout	137		37	
A143	Covebase	4" blue	Blue	3	7 Rooms	111	sq. ft.	0					4" base would be 333 LF. Only test mastic for PCBs at this time.
A143	Covebase	4" blue	Blue	3	302	18	sq. ft.			115			
A143	Covebase	4" blue	Blue	3	304	24	sq. ft.			115	24	54	
A143	Covebase	4" blue	Blue	3	304A	14	sq. ft.			115			

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A143	Covebase	4" blue	Blue	3	304E	10	sq. ft.			115			
A143	Covebase	4" blue	Blue	3	304F	16	sq. ft.			115			
A143	Covebase	4" blue	Blue	3	306	16	sq. ft.			115			
A143	Covebase	4" blue	Blue	3	308D	13	sq. ft.			115			
A144	Adhesive	associated with A143	Beige	3	7 Rooms	111	sq. ft.	3					4" base would be 333 LF
A144	Adhesive	associated with A143	Beige	3	302	18	sq. ft.	1		115			
A144	Adhesive	associated with A143	Beige	3	304	24	sq. ft.	1		115	24	54	
A144	Adhesive	associated with A143	Beige	3	304A	14	sq. ft.			115			
A144	Adhesive	associated with A143	Beige	3	304E	10	sq. ft.			115			
A144	Adhesive	associated with A143	Beige	3	304F	16	sq. ft.			115			
A144	Adhesive	associated with A143	Beige	3	306	16	sq. ft.	1		115			
A144	Adhesive	associated with A143	Beige	3	308D	13	sq. ft.			115			
A145	Sink Undercoating	-	Beige	3	1 Room	3	sq. ft.	1					
A145	Sink Undercoating	-	Beige	3	304E	3	sq. ft.	1		127			
A146	Adhesive	associated with counter		3	1 Room	4	sq. ft.	2					*
A146	Adhesive	associated with counter		3	304E	4	sq. ft.	2		-			
A148	Stair Tread Material	blue	Blue	3	1 Room	90	sq. ft.	0					Only test mastic.
A148	Stair Tread Material	blue	Blue	3	Lobby	90	sq. ft.					40	
A149	Adhesive	associated with A148	Beige	3	1 Room	90	sq. ft.	2					
A149	Adhesive	associated with A148	Beige	3	Lobby	90	sq. ft.	2				40	
A150	Stair Riser Material	6" Covebase, blue		3	1 Room	90	sq. ft.	0					6"Base would be 180 LF. Only test mastic for PCBs at this time.
A150	Stair Riser Material	6" Covebase, blue		3	Lobby	90	sq. ft.			-		40	
A151	Adhesive	associated with A150		3	1 Room	90	sq. ft.	2					6"Base would be 180 LF.
A151	Adhesive	associated with A150		3	Lobby	90	sq. ft.	2		-		40	
A152	Grout	associated with ceramic wall tile 1" x 2" brown	White	3	1 Room	64	sq. ft.	0					Not mastic
A152	Grout	associated with ceramic wall tile 1" x 2" brown	White	3	10 Hallway	64	sq. ft.		at water fountains	97		22.8	
A153	Adhesive	associated with A152	Gray	3	1 Room	64	sq. ft.	2					
A153	Adhesive	associated with A152	Gray	3	10 Hallway	64	sq. ft.	2	at water fountains	97		22.8	
A157	Duct Seam Sealant	Metal Ductwork	Beige	3	1 Room	12	sq. ft.	2					
A157	Duct Seam Sealant	Metal Ductwork	Beige	3	Mezzanine	12	sq. ft.	2		-			
A159	Duct Seam Sealant	Metal Ductwork	Black	3	1 Room	12	sq. ft.	2					
A159	Duct Seam Sealant	Metal Ductwork	Black	3	Mezzanine	12	sq. ft.	2		-			
A160/160.1	Mastic/Vapor Barrier	associated with Gym wood floor		3	6 Rooms	28,210	sq. ft.	0					Floor has been predominantly refinished throughout, only small amount of original remains under former bleacher locations. *
A160	Mastic/Vapor Barrier	associated with Gym wood floor		3	320	1524	sq. ft.			74			
A160	Mastic/Vapor Barrier	associated with Gym wood floor		3	318	1096	sq. ft.			74			
A160	Mastic/Vapor Barrier	associated with Gym wood floor		3	311	11485	sq. ft.			90	1.1		
A160.1	Wood Varnish/Sealant	associated with Gym wood floor		3	320	1524	sq. ft.			74			
A160.1	Wood Varnish/Sealant	associated with Gym wood floor		3	318	1096	sq. ft.			74			

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A160.1	Wood Varnish/Sealant	associated with Gym wood floor		3	311	11485	sq. ft.			90	1.1		
A161	Duct Seam Sealant	Metal Ductwork	tan	3	2 Rooms	6	sq. ft.	2					
A161	Duct Seam Sealant	Metal Ductwork	tan	3	320B	3	sq. ft.	1		77			
A161	Duct Seam Sealant	Metal Ductwork	tan	3	320C	3	sq. ft.	1		77			
A162	Duct Seam Tape	Metal Ductwork	Beige	3	2 Rooms	6	sq. ft.	2					
A162	Duct Seam Tape	Metal Ductwork	Beige	3	320B	3	sq. ft.	1		77			
A162	Duct Seam Tape	Metal Ductwork	Beige	3	320C	3	sq. ft.	1		77			
A166	Carpet Mastic	with gray carpet squares	Yellow	Multiple	2 Rooms	763	sq. ft.	2					Unless Post 1980
A166	Carpet Mastic	with gray carpet squares	Yellow	-	01 (stairwell)	561	sq. ft.	1	1st Floor Only	13		21.5	
A166	Carpet Mastic	with gray carpet squares	Yellow	1	02 (hall)	202	sq. ft.	1	Throughout	13			
A170	Suspended Ceiling Tile	2' x 2' , 2' x 4' pock holes with pinholes	Tan/White	Multiple	4 Rooms	1,996	sq. ft.	4					
A170	Suspended Ceiling Tile	2' x 2' , 2' x 4' pock holes with pinholes	Tan/White	3	320	1524	sq. ft.	1		177			
A170	Suspended Ceiling Tile	2' x 2' , 2' x 4' pock holes with pinholes	Tan/White	3	320D	61	sq. ft.	1		177			
A170	Suspended Ceiling Tile	2' x 2' , 2' x 4' pock holes with pinholes	Tan/White	3	Bistro	151	sq. ft.	1		177			
A170	Suspended Ceiling Tile	2' x 2' , 2' x 4' pock holes with pinholes	Tan/White	4	413	260	sq. ft.	1		177			
A171	Carpet Mastic	associated with blue, tan, maroon diamond pattern	Yellow	4	3 Rooms	1,456	sq. ft.	3					
A171	Carpet Mastic	associated with blue, tan, maroon diamond pattern	Yellow	4	414	182	sq. ft.	1	Throughout	215			
A171	Carpet Mastic	associated with blue, tan, maroon diamond pattern	Yellow	4	415	1056	sq. ft.	1	Throughout	215	22	17	
A171	Carpet Mastic	associated with blue, tan, maroon diamond pattern	Yellow	4	415A	218	sq. ft.	1	Throughout	215			
A171	Carpet Mastic	associated with blue, tan, maroon diamond pattern	Yellow	4	415A	218	sq. ft.	1	Throughout	215			
A172	Sink Undercoating	-	Black	4	1 Room	6	sq. ft.	1					
A172	Sink Undercoating	-	Black	4	416B	6	sq. ft.	1		227			
A173	Vinyl Floor Tile	12" x 12" light shades of gray	Gray	4	1 Room	114	sq. ft.	0					Only test mastic.
A173	Vinyl Floor Tile	12" x 12" light shades of gray	Gray	4	414A	114	sq. ft.			220			
A174	Mastic	associated with A173	Gray	4	1 Room	114	sq. ft.	2					
A174	Mastic	associated with A173	Gray	4	414A	114	sq. ft.	2		220			
A175	Resilient Sheet Flooring	blue and black	Blue	4	3 Rooms	322	sq. ft.	0					A175A-175B
A175	Resilient Sheet Flooring	blue and black	Blue	4	412	142	sq. ft.		Throughout	237			
A175	Resilient Sheet Flooring	blue and black	Blue	4	418	45	sq. ft.		Throughout	237			
A175	Resilient Sheet Flooring	blue and black	Blue	4	417	135	sq. ft.		Throughout	237			
A176	Adhesive	associated with A175		4	3 Rooms	322	sq. ft.	3					A176A-176B
A176	Adhesive	associated with A175		4	412	142	sq. ft.	1	Throughout	237			
A176	Adhesive	associated with A175		4	418	45	sq. ft.	1	Throughout	237			
A176	Adhesive	associated with A175		4	417	135	sq. ft.	1	Throughout	237			
A177	Carpet Mastic	associacted with blue rolled carpet	Yellow	4	1 Room	266	sq. ft.	2					
A177	Carpet Mastic	associacted with blue rolled carpet	Yellow	4	413	266	sq. ft.	2	Throughout	236			
A178	Epoxy Flooring	-	Brown	4	1 Room	521	sq. ft.	3					
A178	Epoxy Flooring	-	Brown	4	411	521	sq. ft.	3		241			
A179	Terrazzo Flooring	brown	Brown	3	1 Room		sq. ft.	0					
A179	Terrazzo Flooring	brown	Brown	3	Lobby							40	

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A180	Adhesive	associated with acousitcal panels		3	1 Room	950	sq. ft.	2					*
A180	Adhesive	associated with acousitcal panels		3	Auditorium	950	sq. ft.	2		106	17	20	
A181	Carpet Mastic	associated with carpet, blue floral pattern	Yellow	3	1 Room	2,632	sq. ft.	3					Assumed asbestos
A181	Carpet Mastic	associated with carpet, blue floral pattern	Yellow	3	Auditorium	2632	sq. ft.	3		107	17	20	
A182	Projector Screen Material	-		3	1 Room		sq. ft.	0					
A182	Projector Screen Material	-		3	Auditorium				Above stage		17	20	
A184	Glue Daubs		Brown	3	1 Room		sq. ft.	2					
A184	Glue Daubs		Brown	3	Auditorium	-	-	2	Auditorium Booth	-	17	20	
-	Sealant	on Concrete Floor	clear coating	1	2 Rooms	3,692	sq. ft.	3					
-	Sealant	on Concrete Floor	clear coating	1	104	2233	sq. ft.	2	Center and South sections	20			
-	Sealant	Concrete Floor		1	106	1459	sq. ft.	1	Throughout	20	260		
-	Expansion Joint Caulking	CMU to CMU		1	2 Rooms	22	LF	3					
-	Expansion Joint Caulking	CMU to CMU		1	104	11	lnft	1	South Wall	31			
-	Expansion Joint Caulking	CMU to CMU		1	106	11	lnft	2	South wall	31	260		
-	Resilient Sheet Flooring	Orange gravel pattern		1	1 Room	70	sq. ft.	0					
-	Resilient Sheet Flooring	Orange gravel pattern		1	03 (hall)	70	sq. ft.		Throughout	-			
-	Adhesive	with Resilient Sheet Flooring, orange gravel pattern		1	1 Room	70	sq. ft.	2					
-	Adhesive	with Resilient Sheet Flooring, orange gravel pattern		1	03 (hall)	70	sq. ft.	2	Throughout	-			
-	Mastic	associated with carpet squares		3	1 Room		sq. ft.	2					
-	Mastic	associated with carpet squares		3	322			2		70			
-	Adhesive	associated with wall paneling		3	1 Room		sq. ft.	2					
-	Adhesive	associated with wall paneling		3	Auditorium			2			17	20	
-	Adhesive	associated with wall paper		3	1 Room		sq. ft.	2					
-	Adhesive	associated with wall paper		3	302			2	north wall, above rad. Heat				
-	Grout	associated with ceramic wall tile 4" white/blue (newer)		3	3 Rooms		sq. ft.	0					
-	Grout	associated with ceramic wall tile 4" white/blue (newer)		3	317							6.5	
-	Grout	associated with ceramic wall tile 4" white/blue (newer)		3	Bistro								
-	Grout	associated with ceramic wall tile 4" white/blue (newer)		3	319								
-	Adhesive	associated with ceramic wall tile 4" white/blue (newer)		3	3 Rooms		sq. ft.	3					
-	Adhesive	associated with ceramic wall tile 4" white/blue (newer)		3	317			1				6.5	
-	Adhesive	associated with ceramic wall tile 4" white/blue (newer)		3	Bistro			1					
-	Adhesive	associated with ceramic wall tile 4" white/blue (newer)		3	319			1					
-	Grout	associated with ceramic floor tile 2" (newer)		3	2 Rooms		sq. ft.	0					
-	Grout	associated with ceramic floor tile 2" (newer)		3	317							6.5	
-	Grout	associated with ceramic floor tile 2" (newer)		3	319								
-	Adhesive	associated with ceramic floor tile 2" (newer)		3	2 Rooms		sq. ft.	2					
-	Adhesive	associated with ceramic floor tile 2" (newer)		3	317			1				6.5	
-	Adhesive	associated with ceramic floor tile 2" (newer)		3	319			1					
-	Carpet Mastic	associated with red carpet (newer)		Multiple	3 Rooms	490	sq. ft.	3					

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
-	Carpet Mastic	associated with red carpet (newer)		3	325	187	sq. ft.	1	Throughout	147		15.9	
-	Carpet Mastic	associated with red carpet sqaures (newer)		4	406	80	sq. ft.	1	Throughout	147			
-	Carpet Mastic	associated with red carpet sqaures (newer)		4	406C	223	sq. ft.	1	Throughout	147			
-	Adhesive	associated with wood wainscoating		3	1 Room		sq. ft.	2					
-	Adhesive	associated with wood wainscoating		3	314			2					
-	Sink Undercoating	-	gray	4	1 Room		sq. ft.	1					
-	Sink Undercoating	-	gray	4	404 (suite)			1		192			
New - Post Initial Inspection	Covebase	4" gray (newer)		2	1 Room	15	sq. ft.	0					
New - Post Initial Inspection	Covebase	4" gray (newer)		2	205F	15	sq. ft.		Throughout	311			
New - Post Initial Inspection	Adhesive	associated with Covebase, 4" gray (newer)		2	1 Room	15	sq. ft.	1					
New - Post Initial Inspection	Adhesive	associated with Covebase, 4" gray (newer)		2	205F	15	sq. ft.	1	Throughout	311			
New - Post Initial Inspection	Vinyl Floor Tile	12" x 12", gray with white and shades of gray markings		2	1 Room	148	sq. ft.	0					
New - Post Initial Inspection	Vinyl Floor Tile	12" x 12", gray with white and shades of gray markings		2	205F	148	sq. ft.		Throughout	312			
New - Post Initial Inspection	Mastic	associated with Vinyl Floor Tile, 12" x 12", gray with white and shades of gray markings		2	1 Room	148	sq. ft.	2					
New - Post Initial Inspection	Mastic	associated with Vinyl Floor Tile, 12" x 12", gray with white and shades of gray markings		2	205F	148	sq. ft.	2	Throughout	312			
								77 Materials Sampled					
								240 Samples					Excludes paint, varnish
End of Building A													

=Denotes material type

= Denotes proposed sample location

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
-	Covebase	4" black, no foot	black	1	3 Rooms	49	sq. ft.	0				
-	Covebase	4" black, no foot	black	1	103A	18	sq. ft.					
-	Covebase	4" black, no foot	black	1	103B	19	sq. ft.				47	
-	Covebase	4" black, no foot	black	1	103D	12	sq. ft.					
-	Adhesive	associated w/ 4" black no foot		1	7 Rooms	197	sq. ft.	3	Varies			
-	Adhesive	associated with simulated wood paneling		1	102 Math lab, off Library	-		1		424		
-	Adhesive	associated with 4" black, no foot		1	103A	18	sq. ft.					
-	Adhesive	associated with Stair Tread Material, brown with raised circles		1	Lobby/ East Hall and Stair	140		1	at mid landings	378		
-	Adhesive	associated with		1	103A	8	sq. ft.			394		
-	Adhesive	associated with 4" black, no foot		1	103B	19	sq. ft.	1			47	
-	Adhesive	associated with 4" black, no foot		1	103D	12	sq. ft.					
-	Adhesive	associated with homosote board		1	102 Classroom	-						
-	Stair Tread Material	Brown		1	2 Rooms	148	sq. ft.	3		394/378		
-	Stair Tread Material	brown with raised diamond pattern		1	103A	8	sq. ft.	1		394		
-	Stair Tread Material	brown with raised circles		1	Lobby/ East Hall and Stair	140	sq. ft.	2		378		
-	Duct Seam Sealant		gray	1	108 & 108A	3	sq. ft.	2				
-	Carpet Mastic	associated with gray carpet squares		1	Lobby/ East Hall and Stair	82	sq. ft.	2	vestibule	369		
A27	Covebase	4" brown (newer)		1	101F	22	sq. ft.	0	throughout			
A28	Adhesive	associated with 4" brown (newer)		1	101F	22	sq. ft.	2	throughout			
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	14 Rooms			0				
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	200		sq. ft.					
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	200B		sq. ft.					
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	200C		sq. ft.					
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	200D		sq. ft.					
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	201		sq. ft.					
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	202		sq. ft.				100	
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	204		sq. ft.					
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	206		sq. ft.					
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	208		sq. ft.					
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	209		sq. ft.				110	
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	210		sq. ft.					

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	211		sq. ft.					
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	212		sq. ft.					
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	Library Balcony		sq. ft.		"book lift"			
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		Multiple	23 Rooms	4764	sq. ft.	12	Varies	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	101	628	sq. ft.	1	throughout	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	101D	121	sq. ft.		throughout	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	101 Hallway	62	sq. ft.		throughout	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	101F	256	sq. ft.	1	throughout	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	102 Math lab, off Library	50	sq. ft.	1	throughout	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	103 Library	1190	sq. ft.	1		363	47	
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	103A	190	sq. ft.			363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	103B	102	sq. ft.	1		363	47	
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	103C	223	sq. ft.	1		363	270	
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	103D	92	sq. ft.			363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	103E	213	sq. ft.	1		363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	102 Classroom	190	sq. ft.			363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	104 IT Area	304	sq. ft.	1	Throughout	363	27	
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	106 Bathroom	32	sq. ft.		Entry Only	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	110 Bathroom	32	sq. ft.		Entry Only	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	Lobby/ East Hall and Stair	285	sq. ft.	1		363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	201	39	sq. ft.		southeast section only	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	202	39	sq. ft.	1	northeast section	363	100	
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	204	39	sq. ft.		northwest section	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	206	39	sq. ft.		northeast section	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	208	22	sq. ft.		northwest section	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	209	39	sq. ft.	1	southeast section	363	110	
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	Hallway	577	sq. ft.	1	throughout	363		
B16	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		Multiple	6 Rooms	2596	sq. ft.	3		371		
B16	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		1	102 Math lab, off Library	50	sq. ft.		throughout	371		
B16	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		1	103 Library	1190	sq. ft.	1		371	47	
B16	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		1	102 Classroom	190	sq. ft.			371		
B16	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		1	104 IT Area	304	sq. ft.	1	Throughout	371	27	

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B16	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		1	Lobby/ East Hall and Stair	285	sq. ft.			371		
B16	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		2	Hallway	577	sq. ft.	1	throughout	371		
B17	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		Multiple	7 Rooms	2698	sq. ft.	3		362		
B17	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		1	102 Math lab, off Library	50	sq. ft.		throughout	362		
B17	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		1	103 Library	1190	sq. ft.	1		362	47	
B17	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		1	103B	102	sq. ft.			362	27	
B17	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		1	102 Classroom	190	sq. ft.			362		
B17	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		1	104 IT Area	304	sq. ft.	1	Throughout	362	27	
B17	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		1	Lobby/ East Hall and Stair	285	sq. ft.			362		
B17	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		2	Hallway	577	sq. ft.	1	throughout	362		
B18	Covebase	4" Brown (older)		1	Lobby/ East Hall and Stair	21	sq. ft.	0	mid landing only	380		Only test mastic for PCBs at this time
B19	Adhesive	associated with B18		1	Lobby/ East Hall and Stair	21	sq. ft.	2	mid landing only	380		
B20	Covebase	4" black (original)		Multiple	26 Rooms	732	sq. ft.	0	Varies	372		Only test mastic for PCBs at this time
B20	Covebase	4" black (original)		1	101	36	sq. ft.		throughout	372		
B20	Covebase	4" black (original)		1	101A Closet	8	sq. ft.		throughout	372		
B20	Covebase	4" black (original)		1	101D	14	sq. ft.		throughout	372		
B20	Covebase	4" black (original)		1	101 Hallway	14	sq. ft.		throughout	372		
B20	Covebase	4" black (original)		1	101E Hall Closet	2	sq. ft.		throughout	372		
B20	Covebase	4" black (original)		1	102 Math lab, off Library	19			throughout	372		
B20	Covebase	4" black (original)		1	103E	18	sq. ft.			372		
B20	Covebase	4" black (original)		1	102 Classroom	36	sq. ft.			372		
B20	Covebase	4" black (original)		1	103G	10	sq. ft.			372		
B20	Covebase	4" black (original)		1	104 IT Area	80	sq. ft.		Throughout	372	27	
B20	Covebase	4" black (original)		1	106 Bathroom	8	sq. ft.		Entry Only	372		
B20	Covebase	4" black (original)		1	110 Bathroom	8	sq. ft.		Entry Only	372		
B20	Covebase	4" black (original)		1	108 & 108A	24	sq. ft.		Throughout	372		
B20	Covebase	4" Black (original)		1	Lobby/ East Hall and Stair	20	sq. ft.		lobby	372		
B20	Covebase	4" black (original)		2	200	28	sq. ft.		Throughout	372		
B20	Covebase	4" black (original)		2	200B	10	sq. ft.		Throughout	372		
B20	Covebase	4" black (original)		2	200C	10	sq. ft.		Throughout	372		
B20	Covebase	4" black (original)		2	200D	6	sq. ft.		Throughout	372		
B20	Covebase	4" black (original)		2	201	35	sq. ft.		Throughout	372		

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B20	Covebase	4" black (original)		2	202	56	sq. ft.		Throughout	372	100	
B20	Covebase	4" black (original)		2	204	36	sq. ft.		throughout	372		
B20	Covebase	4" black (original)		2	206	36	sq. ft.		throughout	372		
B20	Covebase	4" black (original)		2	208	36	sq. ft.		throughout	372		
B20	Covebase	4" black (original)		2	210	9	sq. ft.		Throughout	372		
B20	Covebase	4" black (original)		2	212	45	sq. ft.		throughout	372		
B20	Covebase	4" black (original)		2	Hallway	128	sq. ft.		throughout	372		
B20.1	Covebase	4" black (newer)	black	Multiple	6 Rooms	105	sq. ft.	0	Varies	358		Only test mastic for PCBs at this time
B20.1	Covebase	4" black (newer)	black	1	103C	15	sq. ft.		Throughout	358	270	
B20.1	Covebase	4" black (newer)	black	1	114 & 114A	35	sq. ft.		Throughout	358		
B20.1	Covebase	4" Black (newer)	black	1	Lobby/ East Hall and Stair	8	sq. ft.		vestibule	358		
B20.1	Covebase	4" black (newer)	black	1	105 Principal's Office	30	sq. ft.		Throughout	358		
B20.1	Covebase	4" black (newer)	black	1	Elev. Mech. Room	9	sq. ft.		Throughout	358		
B20.1	Covebase	4" black (newer)	black	2	208	8	sq. ft.		throughout	358		
B21	Adhesive	associated with B20		Multiple	26 Rooms	732	sq. ft.	3	Varies	372		
B21	Adhesive	associated with B20		1	101	36	sq. ft.		throughout	372		
B21	Adhesive	associated with B20		1	101A Closet	8	sq. ft.		throughout	372		
B21	Adhesive	associated with B20		1	101D	14	sq. ft.		throughout	372		
B21	Adhesive	associated with B20		1	101 Hallway	14	sq. ft.		throughout	372		
B21	Adhesive	associated with B20		1	101E Hall Closet	2	sq. ft.		throughout	372		
B21	Adhesive	associated with B20		1	102 Math lab, off Library	19			throughout	372		
B21	Adhesive	associated with B20		1	103E	18	sq. ft.			372		
B21	Adhesive	associated with B20		1	102 Classroom	36	sq. ft.			372		
B21	Adhesive	associated with B20		1	103G	10	sq. ft.			372		
B21	Adhesive	associated with B20		1	104 IT Area	80	sq. ft.	1	Throughout	372	27	
B21	Adhesive	associated with B20		1	106 Bathroom	8	sq. ft.		Entry Only	372		
B21	Adhesive	associated with B20		1	110 Bathroom	8	sq. ft.		Entry Only	372		
B21	Adhesive	associated with B20		1	108 & 108A	24	sq. ft.		Throughout	372		
B21	Adhesive	associated with B20		1	Lobby/ East Hall and Stair	20	sq. ft.		lobby	372		
B21	Adhesive	associated with B20		2	200	28	sq. ft.		Throughout	372		
B21	Adhesive	associated with B20		2	200B	10	sq. ft.		Throughout	372		
B21	Adhesive	associated with B20		2	200C	10	sq. ft.		Throughout	372		

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B21	Adhesive	associated with B20		2	200D	6	sq. ft.		Throughout	372		
B21	Adhesive	associated with B20		2	201	35	sq. ft.		Throughout	372		
B21	Adhesive	associated with B20		2	202	56	sq. ft.	1	Throughout	372	100	
B21	Adhesive	associated with B20		2	204	36	sq. ft.		throughout	372		
B21	Adhesive	associated with B20		2	206	36	sq. ft.		throughout	372		
B21	Adhesive	associated with B20		2	208	36	sq. ft.		throughout	372		
B21	Adhesive	associated with B20		2	210	9	sq. ft.		Throughout	372		
B21	Adhesive	associated with B20		2	212	45	sq. ft.		throughout	372		
B21	Adhesive	associated with B20		2	Hallway	128	sq. ft.	1	throughout	372		
B21.1	Adhesive	associated with B20.1		Multiple	6 Rooms	105	sq. ft.	3	Varies	358		
B21.1	Adhesive	associated with B20.1		1	103C	15	sq. ft.	1	Throughout	358	270	
B21.1	Adhesive	associated with B20.1		1	114 & 114A	35	sq. ft.		Throughout	358		
B21.1	Adhesive	associated with B20.1		1	Lobby/ East Hall and Stair	8	sq. ft.	1	vestibule	358		
B21.1	Adhesive	associated with B20.1		1	105 Principal's Office	30	sq. ft.	1	Throughout	358		
B21.1	Adhesive	associated with B20.1		1	Elev. Mech. Room	9	sq. ft.		Throughout	358		
B21.1	Adhesive	associated with B20		2	208	8	sq. ft.		throughout	358		
B22	Plaster	Walls		Multiple	2 Rooms			0				
B22	Plaster	Walls		1	101							
B22	Plaster	-		2	200B							
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	Multiple	21 Rooms	11954	sq. ft.	0	Varies	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	101	628	sq. ft.		throughout	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	101D	121	sq. ft.		throughout	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	101 Hallway	62	sq. ft.		throughout	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	101E Hall Closet	8	sq. ft.		throughout	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	101F	256	sq. ft.		throughout	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	102 Math lab, off Library	151			throughout	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	103 Library	3572			under carpet	386	47	
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	103A	190	sq. ft.			386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	103B	205	sq. ft.		under carpet	386	47	
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	103C	223	sq. ft.		under carpet	386	270	
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	103D	92	sq. ft.		throughout	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	103E	213	sq. ft.		throughout	386		

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	102 Classroom	569	sq. ft.			386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	104 IT Area	913	sq. ft.		Throughout	386	27	
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	106 Bathroom	32	sq. ft.		Entry Only	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	110 Bathroom	32	sq. ft.		Entry Only	386		
B23	Vinyl Floor Tile	9" x 9" light gray with black and white streaks	Light Gray with Black & White	2	201	687	sq. ft.		Throughout	386		
B23	Vinyl Floor Tile	9" x 9" light gray with black and white streaks	Light Gray with Black & White	2	202	729	sq. ft.		east section	386	100	
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	2	206	742	sq. ft.		throughout	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	2	212	797	sq. ft.		throughout	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	2	Hallway	1732	sq. ft.		throughout	386		
B24	Mastic	associated with B23		Multiple	21 Rooms	11954	sq. ft.	12	Varies	386		
B24	Mastic	associated with B23		1	101	628	sq. ft.	1	throughout	386		
B24	Mastic	associated with B23		1	101D	121	sq. ft.		throughout	386		
B24	Mastic	associated with B23		1	101 Hallway	62	sq. ft.	1	throughout	386		
B24	Mastic	associated with B23		1	101E Hall Closet	8	sq. ft.		throughout	386		
B24	Mastic	associated with B23		1	101F	256	sq. ft.		throughout	386		
B24	Mastic	associated with B23		1	102 Math lab, off Library	151		1	throughout	386		
B24	Mastic	associated with B23		1	103 Library	3572		1	under carpet	386	47	
B24	Mastic	associated with B23		1	103A	190	sq. ft.			386		
B24	Mastic	associated with B23		1	103B	205	sq. ft.	1	under carpet	386	47	
B24	Mastic	associated with B23		1	103C	223	sq. ft.	1	under carpet	386	270	
B24	Mastic	associated with B23		1	103D	92	sq. ft.		throughout	386		
B24	Mastic	associated with B23		1	103E	213	sq. ft.		throughout	386		
B24	Mastic	associated with B23		1	102 Classroom	569	sq. ft.	1		386		
B24	Mastic	associated with B23		1	104 IT Area	913	sq. ft.	1	Throughout	386	27	
B24	Mastic	associated with B23		1	106 Bathroom	32	sq. ft.		Entry Only	386		
B24	Mastic	associated with B23		1	110 Bathroom	32	sq. ft.	1	Entry Only	386		
B24	Mastic	associated with B24		2	201	687	sq. ft.	1	Throughout	386		
B24	Mastic	associated with B24		2	202	729	sq. ft.	1	east section	386	100	
B24	Mastic	associated with B23		2	206	742	sq. ft.		throughout	386		
B24	Mastic	associated with B23		2	212	797	sq. ft.		throughout	386		
B24	Mastic	associated with B23		2	Hallway	1732	sq. ft.	1	throughout	386		

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B25	Vinyl Floor Tile	12" x 12" Cream with Rust and White Streaks	Cream with Rust and White Streaks	Multiple	2 Rooms	864	sq. ft.	0	Varies	366		Only test mastic for PCBs at this time
B25	Vinyl Floor Tile	12" x 12" Cream with Rust and White Streaks	Cream with Rust and White Streaks	1	Lobby/ East Hall and Stair	826	sq. ft.		lobby and mid landing	366		
B25	Vinyl Floor Tile	12" x 12" cream with rust and white streaks	Cream with Rust and White Streaks	2	Hallway	38	sq. ft.		northwest section only, at doors to breezeway	366		
B26	Mastic	associated with B25		Multiple	2 Rooms	864	sq. ft.	3	Varies	366		
B26	Mastic	associated with B25		1	Lobby/ East Hall and Stair	826	sq. ft.	2	lobby and mid landing	366		
B26	Mastic	associated with B25		2	Hallway	38	sq. ft.	1	northwest section only, at doors to breezeway	366		
B27	Covebase	4" brown (newer)		Multiple	3 Rooms	147	sq. ft.	0	Varies	364/398		Only test mastic for PCBs at this time
B27	Covebase	4" brown (newer)		1	103 Library	100	sq. ft.			364/398	47	
B27	Covebase	4" brown (newer)		1	Lobby/ East Hall and Stair	19	sq. ft.		at elevator	364/398		
B27	Covebase	4" Brown (newer)		2	Library Balcony	28	sq. ft.		throughout	364/398		
B28	Adhesive	associated with B27		Multiple	3 Rooms	147	sq. ft.	3	Varies	364/398		
B28	Adhesive	associated with B27		1	103 Library	100	sq. ft.	1		364/398	47	
B28	Adhesive	associated with B27		1	Lobby/ East Hall and Stair	19	sq. ft.	1	at elevator	364/398		
B28	Adhesive	associated with B27		2	Library Balcony	28	sq. ft.	1	throughout	364/398		
B29	Carpet Mastic	with Carpet		Multiple	2 Rooms	3572		3		398		
B29	Carpet Mastic	with Green/Gray Carpet		1	103 Library	3572		2		398	47	
B29	Carpet Mastic	with Gray, Blue, Maroon Carpet		2	Library Balcony			1		398		
B30	Carpet Mastic	with Carpet		1	1 Room	223	sq. ft.	2		390		
B30	Carpet Mastic	tweed carpet, gray/blue/maroon		1	103C	223	sq. ft.	2		390	100	
B31	Vinyl Floor Tile	12" x 12" White and Gray with Blue Markings		Multiple	4 Rooms	1719	sq. ft.	0	Varies	5132		Only test mastic for PCBs at this time
B31	Vinyl Floor Tile	12" x 12" White and Gray with Blue Markings		1	114 & 114A	271	sq. ft.		Throughout 114	5132		
B31	Vinyl Floor Tile	12" x 12" White and Gray with Blue Markings		1	105 Principal's Office	53	sq. ft.		Closet only	5132		
B31	Vinyl Floor Tile	12" x 12" White and Gray with Blue Markings		2	204	736	sq. ft.		throughout	5132		
B31	Vinyl Floor Tile	12" x 12" White and Gray with Blue Markings		2	208	659	sq. ft.		throughout	5132		
B32	Mastic	associated with B31		Multiple	4 Rooms	1719	sq. ft.	3	Varies	5132		
B32	Mastic	associated with B31		1	114 & 114A	271	sq. ft.	1	Throughout 114	5132		
B32	Mastic	associated with B31		1	105 Principal's Office	53	sq. ft.		Closet only	5132		
B32	Mastic	associated with B31		2	204	736	sq. ft.	1	throughout	5132		
B32	Mastic	associated with B31		2	208	659	sq. ft.	1	throughout	5132		

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B33	Window Caulking	CMU		Multiple	20 Rooms			0				Previously Sampled - PCB B33A
B33	Window Caulking	CMU to Metal		1	101							
B33	Window Caulking	CMU/Plaster to Metal		1	101D							
B33	Window Caulking	CMU to Metal		1	101F							
B33	Window Caulking	CMU/Plaster to Metal		1	103 Library						47	
B33	Window Caulking	CMU/Plaster to Metal		1	103C						270	
B33	Window Caulking	CMU to Metal		1	103D							
B33	Window Caulking	CMU/Plaster to Metal		1	103E							
B33	Window Caulking	Metal casing to CMU		1	102 Classroom							
B33	Window Caulking	CMU to Metal		1	104 IT Area						27	
B33	Window Caulking	CMU to Metal		1	114 & 114A							
B33	Window Caulking	CMU to Metal		1	Lobby/ East Hall and Stair							
B33	Window Caulking	CMU to Metal		1	105 Principal's Office							
B33	Window Caulking	CMU to Metal		2	200							
B33	Window Caulking	CMU to Metal		2	201							
B33	Window Caulking	CMU to Metal		2	202						100	
B33	Window Caulking	CMU to Metal		2	204							
B33	Window Caulking	CMU to Metal		2	206							
B33	Window Caulking	CMU to Metal		2	208							
B33	Window Caulking	CMU to Metal		2	209						110	
B33	Window Caulking	CMU to Metal		2	212							
B34	Window Caulking	Metal to Metal		Multiple	20 Rooms			0				Previously Sampled - PCB B34A
B34	Window Caulking	Metal to Metal		1	101							
B34	Window Caulking	Metal to Metal		1	101D							
B34	Window Caulking	Metal to Metal		1	101F							
B34	Window Caulking	Metal to Metal		1	103 Library						47	
B34	Window Caulking	Metal to Metal		1	103C						270	
B34	Window Caulking	Metal to Metal		1	103D							
B34	Window Caulking	Metal to Metal		1	103E							
B34	Window Caulking	Metal casing to Metal sill		1	102 Classroom							
B34	Window Caulking	Metal to Metal		1	104 IT Area						27	
B34	Window Caulking	Metal to Metal		1	114 & 114A							

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B34	Window Caulking	Metal to Metal		1	Lobby/ East Hall and Stair							
B34	Window Caulking	Metal to Metal		1	105 Principal's Office							
B34	Window Caulking	Metal to Metal		2	200							
B34	Window Caulking	Metal to Metal		2	201							
B34	Window Caulking	Metal to Metal		2	202						100	
B34	Window Caulking	Metal to Metal		2	204							
B34	Window Caulking	Metal to Metal		2	206							
B34	Window Caulking	Metal to Metal		2	208							
B34	Window Caulking	Metal to Metal		2	209						110	
B34	Window Caulking	Metal to Metal		2	212							
B35	Thermal System Insulation	Mudded Pipe Joint Insulation		1	5 Rooms			0				
B35	Thermal System Insulation	Mudded Pipe Joint Insulation		1	101							
B35	Thermal System Insulation	Mudded Pipe Joint Insulation		1	101E Hall Closet							
B35	Thermal System Insulation	Mudded Pipe Joint Insulation		1	101F							
B35	Thermal System Insulation	Mudded Pipe Joint Insulation		1	102 Math lab, off Library							
B35	Thermal System Insulation	Mudded Pipe Joint Insulation		1	103 Library						100	
B36	Grout	Associated with ceramic wall tile		Multiple	6 Rooms	1585	sq. ft.	0	Varies	402/406		Not Mastic
B36	Grout	associated with ceramic wall tile 4" gray/yellow		1	101B Bathrooms	234	sq. ft.		throughout	402/406		
B36	Grout	associated with ceramic wall tile 4" gray/yellow		1	101C Bathrooms	234	sq. ft.		throughout	402/406		
B36	Grout	associated with ceramic wall tile 4" gray		1	106 Bathroom	540	sq. ft.		Throughout Bathroom	402/406		
B36	Grout	associated with ceramic wall tile 4" gray		1	110 Bathroom	540	sq. ft.		Throughout Bathroom	402/406		
B36	Grout	associated with ceramic wall tile 4" gray		1	108 & 108A	21	sq. ft.		north wall	402/406		
B36	Grout	associated with ceramic wall tile 4" gray		2	211	16	sq. ft.		at south wall	402/406		
B37	Adhesive	Associated with B36		Multiple	6 Rooms	1585	sq. ft.	3	Varies	402/406		
B37	Adhesive	associated with B36		1	101B Bathrooms	234	sq. ft.	1	throughout	402/406		
B37	Adhesive	associated with B36		1	101C Bathrooms	234	sq. ft.		throughout	402/406		
B37	Adhesive	associated with B36		1	106 Bathroom	540	sq. ft.	1	Throughout Bathroom	402/406		
B37	Adhesive	associated with B36		1	110 Bathroom	540	sq. ft.		Throughout Bathroom	402/406		
B37	Adhesive	associated with B36		1	108 & 108A	21	sq. ft.		north wall	402/406		
B37	Adhesive	associated with B36		2	211	16	sq. ft.	1	at south wall	402/406		
B38	Grout	Associated with ceramic floor tile, 1" gray/yellow		1	4 Rooms	496	sq. ft.	0	Varies	404		Not mastic
B38	Grout	associated with ceramic floor tile 1" gray/yellow		1	101B Bathrooms	38	sq. ft.		throughout	404		

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B38	Grout	associated with ceramic floor tile 1" gray/yellow		1	101C Bathrooms	38	sq. ft.		throughout	404		
B38	Grout	associated with ceramic floor tile 1" gray		1	106 Bathroom	210	sq. ft.		Throughout Bathroom	404		
B38	Grout	associated with ceramic floor tile 1" gray		1	110 Bathroom	210	sq. ft.		Throughout Bathroom	404		
B39	Adhesive	associated with B38		1	4 Rooms	496	sq. ft.	3	Varies	404		
B39	Adhesive	associated with B38		1	101B Bathrooms	38	sq. ft.	1	throughout	404		
B39	Adhesive	associated with B38		1	101C Bathrooms	38	sq. ft.		throughout	404		
B39	Adhesive	associated with B38		1	106 Bathroom	210	sq. ft.	1	Throughout Bathroom	404		
B39	Adhesive	associated with B38		1	110 Bathroom	210	sq. ft.	1	Throughout Bathroom	404		
B42	Composite	of B40 and B41		1	3 Rooms			0				
B42	Composite	of B40 and B41		1	103 Library						47	
B42	Composite	of B40 and B41		1	104 IT Area						27	
B42	Composite	of B40 and B41		1	114 & 114A							
B43	Adhesive	Associated with Chalkboard/Blackboard/Bulletin Boards		Multiple	5 Rooms	8	sq. ft.	3		5126/5144		Assumed asbestos
B43	Adhesive	associated with Chalkboard/Blackboard/Bulletin Boards		1	102 Math lab, off Library	8	sq. ft.	1	north wall	5126/5144		
B43	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	201	-				5126/5144		
B43	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	202	-		1		5126/5144	100	
B43	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	204	-				5126/5144		
B43	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	206	-		1		5126/5144		
B44	Adhesive	Associated with Chalkboard/Blackboard/Bulletin Boards		1	1 Rooms			2		422		
B44	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		1	102 Classroom	-		2		422		
B45	Sink Undercoating		White	1	1 Room	3	sq. ft.	2		398		
B45	Sink Undercoating		white	1	103A	3	sq. ft.	2		393		
B46	Suspended Ceiling Tile	2' x 2' Pock and Pinholes		1	2 Rooms	615	sq. ft.	2	Throughout	374		
B46	Suspended Ceiling Tile	2' x 2' Pock and Pinholes		1	114 & 114A	379	sq. ft.	1	Throughout	374		
B46	Suspended Ceiling Tile	2' x 2' Pock and Pinholes		1	105 Principal's Office	236	sq. ft.	1	Throughout	374		
B48	Carpet Mastic	tweed carpet, blue and green		1	2 Rooms	344	sq. ft.	2	Varies	358		
B48	Carpet Mastic	tweed carpet, blue and green		1	114 & 114A	108	sq. ft.	1	Throughout 114A	358		
B48	Carpet Mastic	tweed carpet, blue and green		1	105 Principal's Office	236	sq. ft.	1	Throughout, except closet	358		
B49	Stair Tread Material	Blue with Raised Circles		1	Lobby/ East Hall and Stair	140		0		368		Only test mastic for PCBs at this time
B50	Adhesive	associated with B49		1	Lobby/ East Hall and Stair	140		2		368		
B51	Stair Riser Material	Light Blue 6" Covebase		1	Lobby/ East Hall and Stair	140		0		368		Only test mastic for PCBs at this time
B52	Adhesive	associated with B51		1	Lobby/ East Hall and Stair	140		2		368		

Building B - Proposed Build Material Sampling Summary

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B53	Vinyl Floor Tile	12" x 12" Shades of Cream Mottled		1	Lobby/ East Hall and Stair	164		0	at elevator	365		Only test mastic for PCBs at this time
B54	Mastic	associated with B53		1	Lobby/ East Hall and Stair	164		2	at elevator	365		
B55	Grout	associated with ceramic wall tile, 1"x2" gray		Multiple	3 Rooms	180	sq. ft.	0	Varies	379/5120		Not mastic
B55	Grout	associated with ceramic wall tile, 1"x2" gray		1	102 Classroom	30	sq. ft.			379/5120		
B55	Grout	associated with ceramic wall tile 1" x 2" gray		1	Lobby/ East Hall and Stair	108	sq. ft.		at stairs above mid landing	379/5120		
B55	Grout	associated with ceramic tile 1" x 2" gray		2	Hallway	42	sq. ft.		at water fountain, west end	379/5120		
B56	Adhesive	associated with A55		Multiple	3 Rooms	180	sq. ft.	3	Varies	379/5120		
B56	Adhesive	associated with A55		1	102 Classroom	30	sq. ft.	1		379/5120		
B56	Adhesive	associated with B55		1	Lobby/ East Hall and Stair	108	sq. ft.	1	at stairs above mid landing	379/5120		
B56	Adhesive	associated with B55		2	Hallway	42	sq. ft.	1	at water fountain, west end	379/5120		
B57	Adhesve	associated with lockers		2	2 Rooms			2		5118		Assumes asbestos
B57	Adhesive	associated with lockers		2	Hallway	-		1		5118		
B57	Adhesive	associated with lockers		2	Hallway	-		1		5118		
B58	Adhesive	associated with counter		2	6 Rooms			3		5123		Assumed asbestos
B58	Adhesive	associated with counter		2	201	-				5123		
B58	Adhesive	associated with counter		2	202	-		1		5111	100	
B58	Adhesive	associated with counter		2	204	-				5133		
B58	Adhesive	associated with counter		2	206	-		1		5137		
B58	Adhesive	associated with counter		2	208	-				5143		
B58	Adhesive	associated with counter		2	209	-		1		5148	110	
B60	Covebase	6" Black		2	209	35	sq. ft.	0	Throughout	5149	110	Only test mastic for PCBs at this time
B61	Adhesive	associated with B60		2	209	35	sq. ft.	2	Throughout	5149	110	
B62	Vinyl Floor Tile	12" x 12" White with Cream, Brown, Blue/Green		2	209	646	sq. ft.	0	Throughout	5150	110	Only test mastic for PCBs at this time
B63	Mastic	associated with B62		2	209	646	sq. ft.	2	Throughout	5150	110	
B64	Stair Tread Material	Dark Brown with Raised Diamonds		2	Library Balcony	48	sq. ft.	0	stairs down to library	5145		Only test mastic for PCBs at this time
B65	Adhesive	associated with B64		2	Library Balcony	48	sq. ft.	2	stairs down to library	5145		
B66	Stair Riser Material	associated with B64		2	Library Balcony	48	sq. ft.	0	stairs down to library	5145		Only test mastic for PCBs at this time
B68	Vinyl Floor Tile	9" x 9" Tan with Brown and White		2	4 Rooms	1299	sq. ft.	0	Varies	5096		Only test mastic for PCBs at this time
B68	Vinyl Floor Tile	9" x 9" Tan with Brown and White		2	200	442	sq. ft.		Throughout	5096		
B68	Vinyl Floor Tile	9" x 9" Tan with Brown and White		2	200B	64	sq. ft.		Throughout	5096		
B68	Vinyl Floor Tile	9" x 9" Tan with Brown and White		2	200C	64	sq. ft.		Throughout	5096		
B68	Vinyl Floor Tile	9" x 9" Tan with Brown and White		2	202	729	sq. ft.		west section	5096	100	

Building B - Proposed Build Material Sampling Summary

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B69	Mastic	associated with B68		2	4 Rooms	1299	sq. ft.	3	Varies	5096		
B69	Mastic	associated with B68		2	200	442	sq. ft.	1	Throughout	5096		
B69	Mastic	associated with B68		2	200B	64	sq. ft.	1	Throughout	5096		
B69	Mastic	associated with B68		2	200C	64	sq. ft.		Throughout	5096		
B69	Mastic	associated with B68		2	202	729	sq. ft.	1	west section	5096	100	
B72	Transite Hardboard	Fume Hood/Cabinet		2	200			0				
B73	Adhesive	associated with Student Clay Tile		2	200	98	sq. ft.	2	at south and west walls	5098		
B75	Window Glazing	associated with reinforced glass at doors		Multiple	5 Rooms			0				Previosuly Sampled - PCB B75A
B75	Window Glazing	associated with reinforced glass at doors		1	101	-						
B75	Window Glazing	associated with reinforced glass at doors		1	103 Library	-					47	
B75	Window Glazing	associated with reinforced glass at doors		1	102 Classroom	-						
B75	Window Glazing	associated with reinfored glass at doors		1	Lobby/ East Hall and Stair	-						
B75	Window Glazing	associated with reinforced glass at doors		2	Hallway	-						
								103 Samples				

=Denotes material type
= Denotes proposed sample location

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D05	Roof Deck Material	Acoustical Roof Deck Material		2	12 Rooms		sq. ft.	0				
D05	Roof Deck Material	Acoustical Roof Deck Material		2	208A							
D05	Roof Deck Material	Acoustical Roof Deck Material		2	208D							
D05	Roof Deck Material	Acoustical Roof Deck Material		2	206						82	
D05	Roof Deck Material	Acoustical Roof Deck Material		2	204							
D05	Roof Deck Material	Acoustical Roof Deck Material		2	202							
D05	Roof Deck Material	Acoustical Roof Deck Material		2	200						140	
D05	Roof Deck Material	Acoustical Roof Deck Material		2	201							
D05	Roof Deck Material	Acoustical Roof Deck Material		2	203						89	
D05	Roof Deck Material	Acoustical Roof Deck Material		2	205							
D05	Roof Deck Material	Acoustical Roof Deck Material		2	205A							
D05	Roof Deck Material	Acoustical Roof Deck Material		2	205B							
D05	Roof Deck Material	Acoustical Roof Deck Material		2	207							
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		Multiple	23 Rooms	4533	sq. ft.	12				
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	Hallway	456	sq. ft.	1		500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	208	24	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	208E	141	sq. ft.	1		500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	206	48	sq. ft.	1		500/524	82	
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	204B	48	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	202	38	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	200	38	sq. ft.	1		500/524	140	
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	201	68	sq. ft.	1		500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	203	38	sq. ft.	1		500/524	89	
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	205	38	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	209	52	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	East Stairs	173	sq. ft.	1		500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1 & 2	West Stairs	322	sq. ft.	1		500/524		

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	109	40	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	106	952	sq. ft.	1		500/524	300	
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	108	44	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	104B	77	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	104A	153	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	104	244	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	102	1008	sq. ft.	1		500/524	150	
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	102A	43	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	102B	146	sq. ft.	1		500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	Hallway	342	sq. ft.	1		500/524		
D09	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		Multiple	7 Rooms	1323	sq. ft.	3				
D09	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		2	Hallway	456	sq. ft.	1		450		
D09	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		2	208	24	sq. ft.			450		
D09	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		2	East Stairs	173	sq. ft.	1		450		
D09	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		1	109	40	sq. ft.			450		
D09	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		1	108	44	sq. ft.	1		450		
D09	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		1	104	244	sq. ft.			450		
D09	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		1	Hallway	342	sq. ft.			450		
D10	Suspended Ceiling Tile	2' x 2' Long Fissures and Pinholes		Multiple	6 Rooms	1283	sq. ft.	3				
D10	Suspended Ceiling Tile	2' x 2' Long Fissures and Pinholes		2	Hallway	456	sq. ft.	1		-		
D10	Suspended Ceiling Tile	2' x 2' Long Fissures and Pinholes		2	208	24	sq. ft.			-		
D10	Suspended Ceiling Tile	2' x 2' Long Fissures and Pinholes		2	East Stairs	173	sq. ft.	1		-		
D10	Suspended Ceiling Tile	2' x 2' Long Fissures and Pinholes		1	108	44	sq. ft.	1		-		
D10	Suspended Ceiling Tile	2' x 2' Long Fissures and Pinholes		1	104	244	sq. ft.			-		
D10	Suspended Ceiling Tile	2' x 2' Long Fissures and Pinholes		1	Hallway	342	sq. ft.			-		
D11	Covebase	4" Black (original)		Multiple	22 Rooms	450	sq. ft.	0				Only test mastic for PCBs at this time.
D11	Covebase	4" Black (original)		2	208	13	sq. ft.			464/533		

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D11	Covebase	4" Black (original)		2	208A	8	sq. ft.			464/533		
D11	Covebase	4" Black (original)		2	208D	7	sq. ft.			464/533		
D11	Covebase	4" Black (original)		2	208E	16	sq. ft.			464/533		
D11	Covebase	4" Black (original)		2	204	34	sq. ft.			464/533		
D11	Covebase	4" Black (original)		2	204B	9	sq. ft.			464/533		
D11	Covebase	4" Black (original)		2	202	36	sq. ft.			464/533		
D11	Covebase	4" Black (original)		2	200	36	sq. ft.			464/533	140	
D11	Covebase	4" Black (original)		2	203	39	sq. ft.			464/533	89	
D11	Covebase	4" Black (original)		2	205	40	sq. ft.			464/533		
D11	Covebase	4" Black (original)		2	205A	14	sq. ft.			464/533		
D11	Covebase	4" Black (original)		2	205B	14	sq. ft.			464/533		
D11	Covebase	4" Black (original)		1 & 2	West Stairs	2	sq. ft.			464/533		
D11	Covebase	4" Black (original)		1	109	14	sq. ft.			464/533		
D11	Covebase	4" Black (original)		1	107	9	sq. ft.			464/533		
D11	Covebase	4" Black (original)		1	107A	17	sq. ft.			464/533		
D11	Covebase	4" Black (original)		1	104B	12	sq. ft.			464/533		
D11	Covebase	4" Black (original)		1	104A	19	sq. ft.			464/533		
D11	Covebase	4" Black (original)		1	104	40	sq. ft.			464/533		
D11	Covebase	4" Black (original)		1	102	43	sq. ft.			464/533	150	
D11	Covebase	4" Black (original)		1	102A	12	sq. ft.			464/533		
D11	Covebase	4" Black (original)		1	102B	16	sq. ft.			464/533		
D12	Adhesive	associated with D11		Multiple	22 Rooms	450	sq. ft.	3				
D12	Adhesive	associated with D11		2	208	13	sq. ft.			464/533		
D12	Adhesive	associated with D11		2	208A	8	sq. ft.			464/533		
D12	Adhesive	associated with D11		2	208D	7	sq. ft.			464/533		
D12	Adhesive	associated with D11		2	208E	16	sq. ft.			464/533		
D12	Adhesive	associated with D11		2	204	34	sq. ft.			464/533		

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D12	Adhesive	associated with D11		2	204B	9	sq. ft.			464/533		
D12	Adhesive	associated with D11		2	202	36	sq. ft.			464/533		
D12	Adhesive	associated with D11		2	200	36	sq. ft.	1		464/533	140	
D12	Adhesive	associated with D11		2	203	39	sq. ft.	1		464/533	89	
D12	Adhesive	associated with D11		2	205	40	sq. ft.			464/533		
D12	Adhesive	associated with D11		2	205A	14	sq. ft.			464/533		
D12	Adhesive	associated with D11		2	205B	14	sq. ft.			464/533		
D12	Adhesive	associated with D11		1 & 2	West Stairs	2	sq. ft.			464/533		
D12	Adhesive	associated with D11		1	109	14	sq. ft.			464/533		
D12	Adhesive	associated with D11		1	107	9	sq. ft.			464/533		
D12	Adhesive	associated with D11		1	107A	17	sq. ft.			464/533		
D12	Adhesive	associated with D11		1	104B	12	sq. ft.			464/533		
D12	Adhesive	associated with D11		1	104A	19	sq. ft.			464/533		
D12	Adhesive	associated with D11		1	104	40	sq. ft.			464/533		
D12	Adhesive	associated with D11		1	102	43	sq. ft.	1		464/533	150	
D12	Adhesive	associated with D11		1	102A	12	sq. ft.			464/533		
D12	Adhesive	associated with D11		1	102B	16	sq. ft.			464/533		
D13	Plaster	-		Multiple	33 Rooms		sq. ft.	0				
D13	Plaster	-		2	Hallway		sq. ft.					
D13	Plaster	-		2	208		sq. ft.					
D13	Plaster	-		2	208B		sq. ft.					
D13	Plaster	-		2	208C		sq. ft.					
D13	Plaster	-		2	208A		sq. ft.					
D13	Plaster	-		2	208D		sq. ft.					
D13	Plaster	-		2	208E		sq. ft.					
D13	Plaster	-		2	206		sq. ft.				82	
D13	Plaster	-		2	204		sq. ft.					

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D13	Plaster	-		2	204B		sq. ft.					
D13	Plaster	-		2	202		sq. ft.					
D13	Plaster	-		2	200		sq. ft.				140	
D13	Plaster	-		2	201		sq. ft.					
D13	Plaster	-		2	203		sq. ft.				89	
D13	Plaster	-		2	205A		sq. ft.					
D13	Plaster	-		2	205B		sq. ft.					
D13	Plaster	-		2	207		sq. ft.					
D13	Plaster	-		2	209		sq. ft.					
D13	Plaster	-	off-white	2	209A		sq. ft.					
D13	Plaster	-		1 & 2	West Stairs		sq. ft.					
D13	Plaster	-		1	109		sq. ft.					
D13	Plaster	-		1	109A		sq. ft.					
D13	Plaster	-		1	107		sq. ft.					
D13	Plaster	-		1	107B		sq. ft.					
D13	Plaster	-		1	107A		sq. ft.					
D13	Plaster	-		1	104B		sq. ft.					
D13	Plaster	-		1	104A		sq. ft.					
D13	Plaster	-		1	104		sq. ft.					
D13	Plaster	-		1	102		sq. ft.				150	
D13	Plaster	-		1	102A		sq. ft.					
D13	Plaster	-		1	102B		sq. ft.					
D13	Plaster	-		1	101		sq. ft.					
D13	Plaster	-		1	Hallway		sq. ft.					
D14	Gypsum Wall Board	-		Multiple	15 Rooms	-	sq. ft.	0				
D14	Gypsum Wall Board	-		2	Hallway		sq. ft.		above lockers			
D14	Gypsum Wall Board	-		2	208		sq. ft.					

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D14	Gypsum Wall Board	-		2	206		sq. ft.				82	
D14	Gypsum Wall Board	-		2	204		sq. ft.					
D14	Gypsum Wall Board	-		2	202		sq. ft.					
D14	Gypsum Wall Board	-		2	200		sq. ft.				140	
D14	Gypsum Wall Board	-		2	201		sq. ft.					
D14	Gypsum Wall Board	-		2	203		sq. ft.				89	
D14	Gypsum Wall Board	-		2	205A		sq. ft.					
D14	Gypsum Wall Board	-		2	205B		sq. ft.					
D14	Gypsum Wall Board	-		1	106		sq. ft.				300	
D14	Gypsum Wall Board	-		1	108		sq. ft.					
D14	Gypsum Wall Board	-		1	102		sq. ft.				150	
D14	Gypsum Wall Board	-		1	101		sq. ft.					
D14	Gypsum Wall Board	-		1	Hallway		sq. ft.		above lockers			
D15	Joint Compound	-		Multiple	15 Rooms	-	sq. ft.	0				
D15	Joint Compound	-		2	Hallway		sq. ft.					
D15	Joint Compound	-		2	208		sq. ft.					
D15	Joint Compound	-		2	206		sq. ft.				82	
D15	Joint Compound	-		2	204		sq. ft.					
D15	Joint Compound	-		2	202		sq. ft.					
D15	Joint Compound	-		2	200		sq. ft.				140	
D15	Joint Compound	-		2	201		sq. ft.					
D15	Joint Compound	-		2	203		sq. ft.				89	
D15	Joint Compound	-		2	205A		sq. ft.					
D15	Joint Compound	-		2	205B		sq. ft.					
D15	Joint Compound	-		1	106		sq. ft.				300	
D15	Joint Compound	-		1	108		sq. ft.					
D15	Joint Compound	-		1	102		sq. ft.				150	

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D15	Joint Compound	-		1	101		sq. ft.					
D15	Joint Compound	-		1	Hallway		sq. ft.					
D16	Composite	of D14 and D15		Multiple	15 Rooms	0	sq. ft.	0				
D16	Composite	of D14 and D15		2	Hallway		sq. ft.					
D16	Composite	of D14 and D15		2	208		sq. ft.					
D16	Composite	of D14 and D15		2	206		sq. ft.				82	
D16	Composite	of D14 and D15		2	204		sq. ft.					
D16	Composite	of D14 and D15		2	202		sq. ft.					
D16	Composite	of D14 and D15		2	200		sq. ft.				140	
D16	Composite	of D14 and D15		2	201		sq. ft.					
D16	Composite	of D14 and D15		2	203		sq. ft.				89	
D16	Composite	of D14 and D15		2	205A		sq. ft.					
D16	Composite	of D14 and D15		2	205B		sq. ft.					
D16	Composite	of D14 and D15		1	106		sq. ft.				300	
D16	Composite	of D14 and D15		1	108		sq. ft.					
D16	Composite	of D14 and D15		1	102		sq. ft.				150	
D16	Composite	of D14 and D15		1	101		sq. ft.					
D16	Composite	of D14 and D15		1	Hallway		sq. ft.					
D17	Grout	associated with ceramic wall tile 1" x 2" tan	white	2	1 Room	21	sq. ft.	0				Not mastic
D17	Grout	associated with ceramic wall tile 1" x 2" tan	white	2	Hallway	21	sq. ft.		at water fountain	5092		
D18	Adhesive	associated with D17		2	1 Room	21	sq. ft.	2				*
D18	Adhesive	associated with D17		2	Hallway	21	sq. ft.	2	at water fountain	5092		
D19	Vinyl Floor Tile	9" x 9" red with black and white streaks		2	4 Rooms	277	sq. ft.	0				Only test mastic for PCBs at this time.
D19	Vinyl Floor Tile	9" x 9" red with black and white streaks		2	208	70	sq. ft.			534		
D19	Vinyl Floor Tile	9" x 9" red with black and white streaks		2	208A	31	sq. ft.			534		
D19	Vinyl Floor Tile	9" x 9" red with black and white streaks		2	208D	35	sq. ft.			534		
D19	Vinyl Floor Tile	9" x 9" red with black and white streaks		2	208E	141	sq. ft.			534		

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D20	Mastic	associated with D19		2	4 Rooms	277	sq. ft.	3				
D20	Mastic	associated with D19		2	208	70	sq. ft.	1		534		
D20	Mastic	associated with D19		2	208A	31	sq. ft.			534		
D20	Mastic	associated with D19		2	208D	35	sq. ft.	1		534		
D20	Mastic	associated with D19		2	208E	141	sq. ft.	1		534		
D23	Vinyl Floor Tile	12" x 12" shades of white		Multiple	4 Rooms	2250	sq. ft.	0				Only test mastic for PCBs at this time.
D23	Vinyl Floor Tile	12" x 12" shades of white		2	Hallway	686	sq. ft.			525/5091		
D23	Vinyl Floor Tile	12" x 12" white		2	206	826	sq. ft.			525/5091	82	
D23	Vinyl Floor Tile	12" x 12" white		2	209	52	sq. ft.			525/5091		
D23	Vinyl Floor Tile	12" x 12" white		1	Hallway	686	sq. ft.			525/5091		
D24	Mastic	Mastic associated with 12" x 12" shades of white		Multiple	4 Rooms	3622	sq. ft.	3				
D24	Mastic	associated with D23		2	Hallway	1372	sq. ft.	1		525/5091		
D24	Mastic	associated with D23		2	206	826	sq. ft.	1		525/5091	82	
D24	Mastic	associated with D23		2	209	52	sq. ft.			525/5091		
D24	Mastic	associated with D23 and D25		1	Hallway	1372	sq. ft.	1		525/5091		
D25	Vinyl Floor Tile	12" x 12" blue		Multiple	2 Rooms	1372	sq. ft.	0				Only test mastic for PCBs at this time.
D25	Vinyl Floor Tile	12" x 12" blue		2	Hallway	686	sq. ft.			525/5091		
D25	Vinyl Floor Tile	12" x 12" Blue		1	Hallway	686	sq. ft.			525/5091		
D26	Grout	associated with ceramic floor tile 1" Gray/Brown		Multiple	4 Rooms	465	sq. ft.	0				Not mastic
D26	Grout	associated with ceramic floor tile 1" Gray/Brown		2	208B	30	sq. ft.			466		
D26	Grout	associated with ceramic floor tile 1" Gray/Brown		2	208C	27	sq. ft.			466		
D26	Grout	associated with ceramic floor tile 1" Gray/Brown		2	209A	198	sq. ft.			466		
D26	Grout	associated with ceramic floor tile 1" Gray/Brown		1	109A	210	sq. ft.			466		
D27	Adehisve/Mortar Bed	associated with D26		Multiple	4 Rooms	465	sq. ft.	3				Not mastic
D27	Adehisve/Mortar Bed	associated with D26		2	208B	30	sq. ft.	1		466		
D27	Adehisve/Mortar Bed	associated with D26		2	208C	27	sq. ft.			466		
D27	Adehisve/Mortar Bed	associated with D26		2	209A	198	sq. ft.	1		466		

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D27	Adehisve/Mortar Bed	associated with D26		1	109A	210	sq. ft.	1		466		
D28	Glazing (formerly Caulking)	associated with Reinforced Glass Black (doors)		Multiple	5 Rooms		sq. ft.	0				Previously Sampled - PCB D28A *
D28	Glazing (formerly Caulking)	associated with Reinforced Glass Black (doors)		2	Hallway	-	sq. ft.			455		
D28	Glazing (formerly Caulking)	associated with Reinforced Glass, Black (Doors)		2	208		sq. ft.			455		
D28	Glazing	associated with Reinforced Glass Black (doors)		1	East Stairs		sq. ft.			455		
D28	Glazing	associated with Reinforced Glass Black (doors)		1 & 2	West Stairs	-	sq. ft.			455		
D28	Glazing (formerly Caulking)	associated with Reinforced Glass Black (doors)		1	Hallway		sq. ft.			455		
D29	Window Caulking	CMU to Metal	tan	Multiple	14 Rooms		sq. ft.	0				Previously Sampled - PCB D29A
D29	Window Caulking	CMU to Metal	tan	2	208E		sq. ft.					
D29	Window Caulking	CMU to Metal	tan	2	206		sq. ft.				82	
D29	Window Caulking	CMU to Metal	tan	2	204		sq. ft.					
D29	Window Caulking	CMU to Metal	tan	2	202		sq. ft.					
D29	Window Caulking	CMU to Metal	tan	2	200		sq. ft.				140	
D29	Window Caulking	CMU to Metal	tan	2	201		sq. ft.					
D29	Window Caulking	CMU to Metal	tan	2	203		sq. ft.				89	
D29	Window Caulking	CMU to Metal	tan	2	205		sq. ft.					
D29	Window Caulking	CMU to Metal	tan	2	205A		sq. ft.					
D29	Window Caulking	CMU to Metal	tan	1	106		sq. ft.				300	
D29	Window Caulking	CMU to Metal	tan	1	108		sq. ft.					
D29	Window Caulking	CMU to Metal	tan	1	104		sq. ft.					
D29	Window Caulking	CMU to Metal	tan	1	102		sq. ft.				150	
D29	Window Caulking	CMU to Metal	tan	1	101		sq. ft.					
D30	Window Caulking	Metal Casing to Metal Sill	tan	Multiple	14 Rooms		sq. ft.	0				Previously Sampled - PCB D30A
D30	Window Caulking	Metal Casing to Metal Sill	tan	2	208E							
D30	Window Caulking	Metal Casing to Metal Sill	tan	2	206						82	
D30	Window Caulking	Metal Casing to Metal Sill	tan	2	204							
D30	Window Caulking	Metal Casing to Metal Sill	tan	2	202							

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D30	Window Caulking	Metal Casing to Metal Sill	tan	2	200						140	
D30	Window Caulking	Metal Casing to Metal Sill	tan	2	201							
D30	Window Caulking	Metal Casing to Metal Sill	tan	2	203						89	
D30	Window Caulking	Metal Casing to Metal Sill	tan	2	205							
D30	Window Caulking	Metal Casing to Metal Sill	tan	2	205A							
D30	Window Caulking	Metal Casing to Metal Sill	tan	1	106						300	
D30	Window Caulking	Metal Casing to Metal Sill	tan	1	108							
D30	Window Caulking	Metal Casing to Metal Sill	tan	1	104							
D30	Window Caulking	Metal Casing to Metal Sill	tan	1	102						150	
D30	Window Caulking	Metal Casing to Metal Sill	tan	1	101							
D31	Adhesive	associated with counter top		Multiple	13 Rooms		sq. ft.	7				Assumed asbestos
D31	Adhesive	associated with counter top		2	206	-		1		551	82	
D31	Adhesive	associated with counter top		2	204	-		1		565		
D31	Adhesive	associated with counter top		2	204B	-				562		
D31	Adhesive	associated with counter top		2	202	-				584		
D31	Adhesive	associated with counter top		2	203	-		1		-	89	
D31	Adhesive	associated with counter top		2	205	-				569		
D31	Adhesive	associated with counter top		1	106	-		1		505	300	
D31	Adhesive	associated with counter top		1	104B	-				497		
D31	Adhesive	associated with counter top		1	104A	-				494		
D31	Adhesive	associated with counter top		1	104	-		1		-		
D31	Adhesive	associated with counter top		2	208	-		1		508		
D31	Adhesive	associated with counter top		1	102A			1		486		
D31	Adhesive	associated with counter top		1	102B					487		
D32	Sink Undercoating	1 sink	tan	Multiple	4 Rooms	12	sq. ft.	2				Limited material
D32	Sink Undercoating	1 sink	tan	2	206	3	sq. ft.	1		553	82	
D32	Sink Undercoating	1 sink	tan	2	204B	3	sq. ft.			564		

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D32	Sink Undercoating	1 sink	tan	2	205	3	sq. ft.			569		
D32	Sink Undercoating	1 sink	tan	1	102B	3	sq. ft.	1		488		
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		Multiple	12 Rooms	5011	sq. ft.	0				Only test mastic at this time. *
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		2	204	602	sq. ft.			463		
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		2	204B	48	sq. ft.			463		
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		2	202	708	sq. ft.			463		
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		2	200	702	sq. ft.			463	140	
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		2	203	817	sq. ft.			463	89	
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		2	205	876	sq. ft.			463		
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		2	205A	110	sq. ft.			463		
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		2	205B	114	sq. ft.			463		
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		1	109	80	sq. ft.			463		
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		1	102A	86	sq. ft.			463		
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		1	102B	146	sq. ft.			463		
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		1	101	722	sq. ft.			463		
D34	Mastic	associated with D33		Multiple	12 Rooms	5011	sq. ft.	6				
D34	Mastic	associated with D33		2	204	602	sq. ft.	1		463		
D34	Mastic	associated with D33		2	204B	48	sq. ft.			463		
D34	Mastic	associated with D33		2	202	708	sq. ft.			463		
D34	Mastic	associated with D33		2	200	702	sq. ft.	1		463	140	
D34	Mastic	associated with D33		2	203	817	sq. ft.	1		463	89	
D34	Mastic	associated with D33		2	205	876	sq. ft.			463		
D34	Mastic	associated with D33		2	205A	110	sq. ft.			463		
D34	Mastic	associated with D33		2	205B	114	sq. ft.			463		
D34	Mastic	associated with D33		1	109	80	sq. ft.	1		463		
D34	Mastic	associated with D33		1	102A	86	sq. ft.			463		
D34	Mastic	associated with D33		1	102B	146	sq. ft.	1		463		

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D34	Mastic	associated with D33		1	101	722	sq. ft.	1		463		
D36	Fire Stop Caulking		red	Multiple	2 Rooms		sq. ft.	0				Post 1980
D36	Fire Stop Caulking		red	2	200						140	
D36	Fire Stop Caulking		red	1	107A							
D37	Suspended Ceiling Tile	2' X 2' Small Fissures and Pinholes		Multiple	3 Rooms	808	sq. ft.	3				
D37	Suspended Ceiling Tile	2' X 2' Small Fissures and Pinholes		2	East Stairs	173	sq. ft.	1		450		
D37	Suspended Ceiling Tile	2' X 2' Small Fissures and Pinholes		1	East Stairs	566	sq. ft.	1		450		
D37	Suspended Ceiling Tile	2' X 2' Small Fissures and Pinholes		1	110	69	sq. ft.	1		450		
D38	Covebase (formerly Baseboard)	4" Black (newer)		Multiple	10 Rooms	460	sq. ft.	0				Only test mastic for PCBs at this time.
D38	Covebase (formerly Baseboard)	4" Black (newer)		2	Hallway	98	sq. ft.			452/501/525		
D38	Covebase (formerly Baseboard)	4" Black (newer)		2	206	39	sq. ft.			452/501/525	82	
D38	Covebase (formerly Baseboard)	4" Black (newer)		2	201	45	sq. ft.			452/501/525		
D38	Covebase (formerly Baseboard)	4" Black (newer)		2	209	10	sq. ft.			452/501/525		
D38	Covebase (formerly Baseboard)	4" Black (newer)		2	East Stairs	38	sq. ft.			452/501/525		
D38	Covebase (formerly Baseboard)	4" Black (newer)		1	East Stairs	39	sq. ft.			452/501/525		
D38	Covebase (formerly Baseboard)	4" Black (newer)		1	106	43	sq. ft.			452/501/525	300	
D38	Covebase (formerly Baseboard)	4" Black (newer)		1	108	16	sq. ft.			452/501/525		
D38	Covebase (formerly Baseboard)	4" Black (newer)		1	101	34	sq. ft.			452/501/525		
D38	Covebase (formerly Baseboard)	4" Black (newer)		1	Hallway	98	sq. ft.			452/501/525		
D39	Adhesive (formerly Mastic)	associated with D38		Multiple	10 Rooms	460	sq. ft.	3				
D39	Adhesive (formerly Mastic)	associated with D38		2	Hallway	98	sq. ft.	1		452/501/525		
D39	Adhesive (formerly Mastic)	associated with D38		2	206	39	sq. ft.	1		452/501/525	82	
D39	Adhesive (formerly Mastic)	associated with D38		2	201	45	sq. ft.			452/501/525		
D39	Adhesive (formerly Mastic)	associated with D38		2	209	10	sq. ft.			452/501/525		
D39	Adhesive (formerly Mastic)	associated with D38		2	East Stairs	38	sq. ft.			452/501/525		
D39	Adhesive (formerly Mastic)	associated with D38		1	East Stairs	39	sq. ft.			452/501/525		
D39	Adhesive (formerly Mastic)	associated with D38		1	106	43	sq. ft.	1		452/501/525	300	

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D39	Adhesive (formerly Mastic)	associated with D38		1	108	16	sq. ft.			452/501/525		
D39	Adhesive (formerly Mastic)	associated with D38		1	101	34	sq. ft.			452/501/525		
D39	Adhesive (formerly Mastic)	associated with D38		1	Hallway	98	sq. ft.			452/501/525		
D40	Vinyl Floor Tile	12" x 12" Green		2	1 Room	1059	sq. ft.	0				Only test mastic for PCBs at this time.
D40	Vinyl Floor Tile	12" x 12" Green		2	201	1059	sq. ft.			577		
D41	Mastic	associated with D40		2	1 Room	1059	sq. ft.	2				
D41	Mastic	associated with D40		2	201	1059	sq. ft.	2		577		
D42	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		1	4 Rooms	1971	sq. ft.	0				Only test mastic for PCBs at this time.
D42	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		1	104B	77	sq. ft.			482		
D42	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		1	104A	153	sq. ft.			482		
D42	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		1	104	733	sq. ft.			482		
D42	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		1	102	1008	sq. ft.			482	150	
D43	Mastic	associated with D19		1	4 Rooms	1971	sq. ft.	3				
D43	Mastic	associated with D19		1	104B	77	sq. ft.			482		
D43	Mastic	associated with D19		1	104A	153	sq. ft.	1		482		
D43	Mastic	associated with D19		1	104	733	sq. ft.	1		482		
D43	Mastic	associated with D19		1	102	1008	sq. ft.	1		482	150	
D44	Window Caulking	Glass Pane to Metal Casing	Brown	Multiple	3 Rooms		sq. ft.	0				Previosuly Sampled - PCB D44A *
D44	Window Caulking	Glass Pane to Metal Casing	Brown	2	East Stairs					517		
D44	Window Caulking	Glass Pane to Metal Casing	Brown	1 & 2	West Stairs					5088		
D45	Grout	associated with ceramic wall tile 4" Gray/white/green	white	Multiple	4 Rooms	344	sq. ft.	0				Not mastic
D45	Grout	associated with ceramic wall tile 4" Gray/white/green	white	2	208B	156	sq. ft.			465/473/541		
D45	Grout	associated with ceramic wall tile 4" Gray/white/green	white	2	208C	156	sq. ft.			465/473/541		
D45	Grout	associated with ceramic wall tile 4" Gray/white/green	white	2	207	16	sq. ft.			465/473/541		
D45	Grout	associated with ceramic wall tile 4" Gray/white/green	white	1	107	16	sq. ft.			465/473/541		
D46	Adhesive	associated with D45		Multiple	4 Rooms	344	sq. ft.	3				
D46	Adhesive	associated with D45		2	208B	156	sq. ft.	1		465/473/541		

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D46	Adhesive	associated with D45		2	208C	156	sq. ft.	1		465/473/541		
D46	Adhesive	associated with D45		2	207	16	sq. ft.			465/473/541		
D46	Adhesive	associated with D45		1	107	16	sq. ft.	1		465/473/541		
D47	Grout	associated with ceramic wall tile 4" White	white	Multiple	2 Rooms	987	sq. ft.	0				Not mastic
D47	Grout	associated with ceramic wall tile 4" White	white	2	209A	456	sq. ft.			465		
D47	Grout	associated with ceramic wall tile 4" white	white	1	109A	531	sq. ft.			465		
D48	Adhesive	associated with D47		Multiple	2 Rooms	987	sq. ft.	2				
D48	Adhesive	associated with D47		2	209A	456	sq. ft.	1		465		
D48	Adhesive	associated with D47		1	109A	531	sq. ft.	1		465		
D49	Vinyl Floor Tile	12" x 12" White with Tan and Grey/Brown Specks		2	1 Room	285	sq. ft.	0				Only test mastic for PCBs at this time.
D49	Vinyl Floor Tile	12" x 12" White with Tan and Grey/Brown Specks		2	East Stairs	285	sq. ft.			519		
D50	Vinyl Floor Tile	12" x 12" Blue with Black and White Specks		2	1 Room	285	sq. ft.	0				Only test mastic for PCBs at this time.
D50	Vinyl Floor Tile	12" x 12" Blue with Black and White Specks		2	East Stairs	285	sq. ft.			520		
D51	Mastic	associated with D49 and D50		2	1 Room	570	sq. ft.	2				Limited material
D51	Mastic	associated with D49 and D50		2	East Stairs	570	sq. ft.	2		520		
D52	Grout	associated with ceramic wall tile 3" Green		Multiple	3 Rooms	423	sq. ft.	0				Not mastic
D52	Grout	associated with ceramic wall tile 3" Green		2	East Stairs	178	sq. ft.			451		
D52	Grout	associated with ceramic wall tile 3" Green		1	East Stairs	189	sq. ft.			451		
D52	Grout	associated with ceramic wall tile 3" Green		1	110	56	sq. ft.			451		
D53	Adhesive	associated with D52		Multiple	3 Rooms	423	sq. ft.	3				*
D53	Adhesive	associated with D52		2	East Stairs	178	sq. ft.	1		451		
D53	Adhesive	associated with D52		1	East Stairs	189	sq. ft.	1		451		
D53	Adhesive	associated with D52		1	110	56	sq. ft.	1		451		
D54	Caulking	Door/Window casing to brick		Multiple	5 Rooms		sq. ft.	0				Previosuly Sampled - PCB D54A, B
D54	Caulking	Door/Window casing to brick		2	East Stairs					517		
D54	Caulking	Door/Window casing to brick		1	East Stairs					517		
D54	Caulking	Door/Window casing to brick		1	East Stairs					517		

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D54	Caulking	Door/Window casing to brick		1	East Stairs					517		
D54	Caulking	Door/Window casing to brick		1 & 2	West Stairs					517		
D56	Stair Tread Material	Blue with Raised Circles		2	1 Room	126	sq. ft.	0				Only test mastic for PCBs at this time.
D56	Stair Tread Material	Blue with Raised Circles		2	East Stairs	126	sq. ft.			453		
D57	Stair Riser Material	6" Covebase teal/blue		2	1 Room	126	sq. ft.	0				Only test mastic for PCBs at this time.
D57	Stair Riser Material	6" Covebase teal/blue		2	East Stairs	126	sq. ft.			453		
D58	Stair Riser Material	Tan with Raised Circles		2	1 Room	36	sq. ft.	0				Only test mastic for PCBs at this time.
D58	Stair Landing Material	Tan with Raised Circles		2	East Stairs	36	sq. ft.			453		
D59	Adhesive	associated with D56, D57 and D58		2	1 Room	126	sq. ft.	2				Limited material
D59	Adhesive	associated with D56, D57 and D58		2	East Stairs	126	sq. ft.	2		453		
D60	Mastic	associated with carpet squares		1	1 Room	566	sq. ft.	2				Limited ,aterial
D60	Mastic	associated with carpet squares		1	East Stairs	566	sq. ft.	2		452		
D61	Stair Tread Material	Brown		Multiple	1 Room	122	sq. ft.	0				Only test mastic for PCBs at this time.
D61	Stair Tread Material	Brown		1 & 2	West Stairs	122	sq. ft.			5087		
D62	Adhesive	associated with D61		Multiple	1 Room	122	sq. ft.	2				
D62	Adhesive	associated with D61		1 & 2	West Stairs	122	sq. ft.	2		5087		
D63	Resilient Sheet Flooring	orange/red gravel pattern		Multiple	1 Room	286	sq. ft.	0				
D63	Resilient Sheet Flooring	orange/red gravel pattern		1 & 2	West Stairs	286	sq. ft.			5086		
D64	Adhesive	associated with D63		Multiple	1 Room	286	sq. ft.	2				Limited material*
D64	Adhesive	associated with D63		1 & 2	West Stairs	286	sq. ft.	2		5086		
D65	Vinyl Floor Tile	12" x 12" Cream with Brown, Rust and White		Multiple	1 Room	84	sq. ft.	0				Only test mastic for PCBs at this time. *
D65	Vinyl Floor Tile	12" x 12" Cream with Brown, Rust and White		1 & 2	West Stairs	84	sq. ft.		mid landing only	5087		
D66	Mastic	associated with D65		Multiple	1 Room	84	sq. ft.	2				*
D66	Mastic	associated with D65		1 & 2	West Stairs	84	sq. ft.	2	mid landing only	5087		
D67	Vinyl Floor Tile	9" x 9" Dark Grey with White Streaks		Multiple	1 Rooms	27	sq. ft.	0				Only test mastic for PCBs at this time. *
D67	Vinyl Floor Tile	9" x 9" Dark Grey with White Streaks		1 & 2	West Stairs	27	sq. ft.			-		
D68	Mastic	associated with D67		Multiple	1 Rooms	27	sq. ft.	2				Previosuly sampled

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D68	Mastic	associated with D67		1 & 2	West Stairs	27	sq. ft.	2		-		
D69	Covebase	4" Brown		Multiple	1 Rooms	2	sq. ft.	0				Only test mastic for PCBs at this time.
D69	Covebase	4" Brown		1 & 2	West Stairs	2	sq. ft.			5085		
D70	Adhesive	associated with D69		Multiple	1 Rooms	2	sq. ft.	2				
D70	Adhesive	associated with D69		1 & 2	West Stairs	2	sq. ft.	2		5085		
D71	Gypsum Wall Board (newer painted)	newer		Multiple	5 Rooms		sq. ft.	0				TBD
D71	Gypsum Wall Board (newer painted)	newer		2	East Stairs							
D71	Gypsum Wall Board (newer painted)	newer		1	East Stairs							
D71	Gypsum Wall Board	-		1	104B							
D71	Gypsum Wall Board	-		1	104A							
D71	Gypsum Wall Board	-		1	104							
D72	Joint Compound	-		Multiple	5 Rooms		sq. ft.	0				No samples at this time
D72	Joint Compound	-		2	East Stairs							
D72	Joint Compound	-		1	East Stairs							
D72	Joint Compound	-		1	104B							
D72	Joint Compound	-		1	104A							
D72	Joint Compound	-		1	104							
D73	Composite	of D71 and D72		Multiple	5 Rooms		sq. ft.	0				No samples at this time
D73	Composite	of D71 and D72		2	East Stairs							
D73	Composite	of D71 and D72		1	East Stairs							
D73	Composite	of D71 and D72		1	104B							
D73	Composite	of D71 and D72		1	104A							
D73	Composite	of D71 and D72		1	104							
D74	Vinyl Floor Tile	9" x 9" Light Gray with black and white markings		1	2 Rooms	1086	sq. ft.	0				Only test mastic for PCBs at this time. *
D74	Vinyl Floor Tile	9" x 9" Light Gray with black and white markings		1	106	952	sq. ft.			502	300	
D74	Vinyl Floor Tile	9" x 9" Light Gray with black and white markings		1	108	134	sq. ft.			502		
D75	Mastic	associated with D74		1	2 Rooms	1086	sq. ft.	2				

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D75	Mastic	associated with D74		1	106	952	sq. ft.	1		502	300	
D75	Mastic	associated with D74		1	108	134	sq. ft.	1		502		
D76	Sink Undercoating	5 Sinks	tan	1	2 Rooms	36	sq. ft.	2				*
D76	Sink Undercoating	5 Sinks	tan	1	106	30	sq. ft.	1		506	300	
D76	Sink Undercoating	1 Sink	tan	1	108	6	sq. ft.	1		506		
D78	Flex Connector	associated with ductwork		1	1 Room		sq. ft.	0				
D78	Flex Connector	associated with ductwork		1	108							
D79	Suspended Ceiling Tile	2' x 2' Pits and Pinholes		1	2 Rooms	1064	sq. ft.	2				
D79	Suspended Ceiling Tile	2' x 2' Pits and Pinholes		1	101	722	sq. ft.	1		477		
D79	Suspended Ceiling Tile	2' x 2' Pits and Pinholes		1	Hallway	342	sq. ft.	1		477		
D80	Grout	associated with ceramic wall tile 4" yellow	white	1	1 Room	21	sq. ft.	0				*
D80	Grout	associated with ceramic wall tile 4" yellow	white	1	Hallway	21	sq. ft.			-		
D81	Adhesive	associated with D80		1	1 Room	21	sq. ft.	2				*
D81	Adhesive	associated with D80		1	Hallway	21	sq. ft.	2		-		
D84	Window Caulking	Metal casing to metal sill	tan	Multiple	2 Rooms		sq. ft.	0				Previosuly Sampled - PCB D84A
D84	Window Caulking	Metal casing to metal sill	tan	2	East Stairs	-				517		
D84	Window Caulking	Metal casing to metal sill	tan	1 & 2	West Stairs	-				5088		
D85	Window Glazing	associated with D84		Multiple	2 Rooms		sq. ft.	2				
D85	Window Glazing	associated with D84		2	East Stairs			1		517		
D85	Window Glazing	associated with D84		1 & 2	West Stairs			1		5088		
D86	Adhesive	associated with Homasote Board		2	2 Rooms		sq. ft.	2				*
D86	Adhesive	associated with Homasote Board		2	204	-		1		560		
D86	Adhesive	associated with Homasote Board		2	201	-		1		560		
D87	Window Glazing	associated with upper windows	gray	Multiple	9 Rooms		sq. ft.	0				Previously Sampled - PCB D87A, B *
D87	Window Glazing	associated with upper windows	gray	2	206					476	82	
D87	Window Glazing	associated with upper windows	gray	2	204					476		
D87	Window Glazing	associated with upper windows	gray	2	202					476		

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D87	Window Glazing	associated with upper windows	gray	2	200					476	140	
D87	Window Glazing	associated with upper windows	gray	2	201					476		
D87	Window Glazing	associated with upper windows	gray	2	203					476	89	
D87	Window Glazing	associated with upper windows	gray	2	205					476		
D87	Window Glazing	associated with upper windows	gray	2	205A					476		
D87	Window Glazing	associated with upper windows	gray	1	101					476		
D88	Window Glazing		gray	?	1 Rooms		sq. ft.	2				*
D88	Window Glazing		gray	-	Breezeways			2	Throughout all Breezeways	-		
-	Adhesive	associated with lockers		Multiple	2 Rooms		sq. ft.	2				
-	Adhesive	associated with lockers		2	Hallway			1				
-	Adhesive	associated with lockers		1	Hallway			1				
-	Caulking Material	CMU to Plaster Wall	gray	Multiple	13 Rooms	288	lnft	7				
-	Caulking Material	CMU to Plaster Wall	gray	2	208E	24	lnft		southeast and southwest	492		
-	Caulking Material	CMU to Plaster Wall	gray	2	206	24	lnft	1	southeast and southwest	492	82	
-	Caulking Material	CMU to Plaster Wall	gray	2	204	24	lnft		southeast and southwest	492		
-	Caulking Material	CMU to Plaster Wall	gray	2	202	24	lnft		southeast and southwest	492		
-	Caulking Material	CMU to Plaster Wall	gray	2	200	24	lnft	1	southeast and southwest	492	140	
-	Caulking Material	CMU to Plaster Wall	gray	2	201	24	lnft		northeast and northwest	492		
-	Caulking Material	CMU to Plaster Wall	gray	2	203	24	lnft	1	northeast and northwest	492	89	
-	Caulking Material	CMU to Plaster Wall	gray	2	205	24	lnft	1	northwest corners	492		
-	Caulking Material	CMU to Plaster Wall	gray	2	205A	24	lnft		northeast corners	492		
-	Caulking Material	CMU to Plaster Wall	gray	1	106			1	southeast and southwest		300	
-	Caulking Material	CMU to Plaster Wall	gray	1	104	24	lnft		southeast and southwest	492		
-	Caulking Material	CMU to Plaster Wall	gray	1	102	24	lnft	1	southeast and southwest	492	150	
-	Caulking Material	CMU to Plaster Wall	gray	1	101	24	lnft	1	northeast and northwest	492		
-	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	8 Rooms		sq. ft.	3				
-	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	206	-		1			82	

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
-	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	204	-						
-	Adhesive	`		2	202	-						
-	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	200	-		1			140	
-	Adhesive	associated with Pressed Board (Peg Board)		2	201							
-	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	201	-						
-	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	203	-		1			89	
-	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	205	-						
-	Vinyl Floor Tile	12" x 12" white w/ green and maroon		1	1 Room	69	sq. ft.	0				
-	Vinyl Floor Tile	12" x 12" white w/ green and maroon		1	110	69	sq. ft.					
-	Mastic	associated with Vinyl Floor Tile, 12" x 12" white w/ green and maroon		1	1 Room	69	sq. ft.	2				
-	Mastic	associated with Vinyl Floor Tile, 12" x 12" white w/ green and maroon		1	110	69	sq. ft.	2				
								111 Samples				Excludes paint, varnish
End of Building D												

Attachment B – Con-Test Analytical PCB Analysis SOP

Attachment C – Con-Test Analytical Interference SOP

Method SW-846 3620C
Florisil Cleanup of Pesticides and PCB's

Approved:

Tod Kopyscinski
Laboratory Director

Katherine Allen
QA Officer

Revision Number: 5

NON-CONTROLLED COPY

Change Record

Revision	Date	Responsible Person	Description of Change
0	08/05/2008	Fran Derose	Original
1	01/24/2012	John Beane	Update from annual review: Sec. 4.0 (updated to include alternative procedure), Sec. 6.0 (added pollution prevention), Sec. 4.2.4, 4.2.5, and 4.2.7 (5 mLs changed to 1 mL), and Sec. 8.0 (reference section updated to include 8081B and new MCP rev).
2	08/30/2013	Katherine Allen	Updates from 2012 annual SOP review: Sec. 4.2.6 (90/10 hexane/acetone mix added) and Sec. 8.0 (addition of 8081B MA CAM).
3	1/13/2015	Katherine Allen	Update from annual internal audit: Sec 3.0 (add activated florisil and vortex and delete vacuum pump), addition of section 4.3 (enhanced florisil cleanup procedure).
4	03/23/2016	Charles Balicki	Updated Sections 4.1.2 and 4.1.4.
5	03/12/2019	Charles Balicki	Updates from Annual SOP Review. Section 2.2 Added information about Restek and certificates received with each lot. Removed Section 2.2.1. Removed Section 4.2. Sec 3.0 and 8.0 – deleted TurboVap ref.

Distribution/Training List

See Employee Training Record File for signed training statements for trained users.

1.0 SCOPE AND APPLICATION

This method describes procedures for florisil cleanup of solvent extracts of Pesticide and PCB samples by solid phase extraction cartridges. Each cartridge is washed with solvent prior to use. The sample is loaded onto the cartridge which is then eluted with 90:10 Hexane/Acetone, then concentrated to a known volume. All sample extracts that are cleaned up using this procedure, must also have associated method blanks and LCS samples cleaned up using this procedure. This method also describes a modified enhanced Florisil clean-up procedure.

2.0 INTERFERENCES

2.1 Solvents, reagents, glassware, and other hardware may yield artifacts, and/or interferences to sample analysis. All of these materials must be demonstrated to be free from interferences by analyzing method blanks.

2.2 The efficiency of each lot of solid-phase extraction cartridges is verified by Restek. This lot check is documented on a verification certificate which is received with each lot. This certificate is scanned into Element.

3.0 EQUIPMENT AND SUPPLIES

3.1 Vacuum manifold-Visiprep (SUPELCO, Inc) or equivalent, consisting of glass vacuum basin, collection rack and funnel, collection vials, replaceable delivery tips, built in vacuum bleed valve, and gauge.
3.2 Hexane (C_6H_{14}) – Pesticide Quality
3.3 Acetone (CH_3COCH_3) – Pesticide Quality
3.4 Vials – 12 mL Amber Vials with screw tops
3.5 Vials – 2 mL Target Vials with snap caps
3.6 Graduated Cylinder – 10 mL
3.7 N-EVAP Concentration system
3.8 Florisil Cartridge 1g – RESTEK or equivalent
3.9 Florisil SEP-PAK cartridges – WATERs or equivalent
3.10 Activated Granular Florisil
3.11 Vortex

4.0 PROCEDURE

4.1 Cartridge Set-up and Conditioning

<u>First check each cartridge to make sure Florisil is packed correctly</u>

4.1.1 Arrange the cartridges on the manifold in the closed-valve position.
4.1.2 Add 10.0 mL of Hexane to each cartridge. Slowly open the cartridge valves to allow Hexane to pass through the sorbent beds. Allow a few drops of Hexane to pass through the cartridge to remove all air bubbles that may exist.
4.1.3 Close valves and allow the solvent to soak the entire sorbent bed for 5 minutes.

4.1.4 Slowly open cartridge valves to allow ~9ml of Hexane to pass through the cartridges. Close the cartridge valves when there is still at least 1 ml of solvent above the sorbent bed. **Do not allow the cartridges to become dry. If cartridges go dry, repeat the conditioning step.**

4.1.5 Add 1.0 mL of sample extract to a cartridge then slowly open valves to allow sample to pass through the cartridges completely.

4.1.6 Elute the cartridge with 10.0 mL of Hexane:Acetone (90:10) mix. Open valve. Solvent is collected in a 15 X 75 mm vial. Take the cleaned extract and re-concentrate it using the N-EVAP back down to 1.0 mL in a 2mL snap cap vial.

4.2 Enhanced Modified Florisil Cleanup Procedure

4.2.1 Add approximately 0.5g of activated florisil into a clean 4mL vial.

4.2.2 Add 4 mL of sample extract to the vial. If a sample dilution is necessary, prepare 4mLs of sample at the necessary dilution inside the 4mL vial, adding hexane first.

4.2.3 Cap the vial and shake for 10 seconds, then vortex for 10 seconds. Allow florisil to settle 10 seconds.

4.2.4 If additional florisil clean-ups are needed, transfer extract into a second clean 4mL vial containing approximately 0.5g of activated florisil and repeat step 4.3.3.

4.2.5 After all florisil clean-ups have been completed, perform a sulfuric acid clean-up on an aliquot of the extract.

5.0 SAFETY

See Material Safety Data Sheets (MSDS's) and Con-Test Analytical Laboratory Chemical Hygiene Plan.

6.0 POLLUTION PREVENTION

Pollution prevention encompasses any technique that reduces or eliminates the quantity and or eliminates the quantity and or toxicity of waste at the point of generation. Many opportunities for pollution prevention exist in laboratory operation. Whenever feasible, laboratory personal should use pollution prevention techniques to address waste generation. When it is not feasible to reduce wastes at the source, recycling is recommended as the next best option. Standards should be prepared in volumes consistent with laboratory use to minimize the volume of expired standards to be disposed.

7.0 WASTE MANAGEMENT

It is the laboratory's responsibility to comply with all federal, state, and local regulations governing the waste management, particularly the hazardous waste identification rules and land disposal restrictions, and to protect the air, water, and land by minimizing and controlling all releases from fume hoods and bench operations. Also, compliance is required with any sewage discharge permits and regulations.

Any PCB containing samples with over 2.0 ppm are labeled and stored separately for disposal. Used standards are accumulated as a lab-pack and sent out to be disposed properly by a waste management company.

8.0 REFERENCES

8.1 EPA, Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods SW-846 Method 3620C, 8081A and 8081B

8.2 Con-Test Analytical Laboratory Chemical Hygiene Plan

8.3 Con-Test Analytical Laboratory Quality Assurance Manual

8.4 Con-Test Analytical Laboratory Controlled Document SOP

8.5 Con-Test Analytical Laboratory Corrective Action SOP

8.6 MA DEP, MCP Data Enhancement Program, "Quality Control Requirements and Performance Standards for the Analysis of Chlorinated Pesticides by Gas Chromatography (GC) in support of Response Actions under the Massachusetts Contingency Plan (MCP)", Rev. 1, July 2010

8.7 MA DEP, MCP Data Enhancement Program, "Quality Control Requirements and Performance Standards for the Analysis of Chlorinated Pesticides by Gas Chromatography (GC) in support of Response Actions under the Massachusetts Contingency Plan (MCP)", Rev. 1, July 1, 2010.

8.8 EPA, SW-846 Test Method 3620C – Florisil Clean-up

FUSS & O'NEILL

M E M O R A N D U M

TO: Burlington School District, Tom Flanagan, Marty Spaulding

FROM: Bob May, Joshua Robinson

CC: PCI –Tom Peterson
ATC Group Services, LLC, Tom Broido,
EPA Region 1 –Kim Tisa
VTDEC –Patricia Coppolino, Shawn Donovan
VTDOH –Sarah Vose, Pamela Wadman, Lori Cragin
Ted Fisher

DATE: February 16, 2021

RE: Bulk and Substrate Sampling Procedures for Burlington High School – Amendment 1

This memorandum shall serve as an amendment to the standard operating procedure (SOP) memo dated December 22, 2020 for bulk and substrate sampling procedures for Burlington High School. The intent of this amendment is to provide SOP modifications proposed for substrate coring related to sampling of concrete floor slabs within buildings A, B and D, initially. This procedure will also be used for any subsequent coring of floor slabs within Burlington High School.

Building A

Conduct sampling in no less than two locations for each type of floor tile type (e.g. 9" x 9" or 12" x 12"). Samples shall be collected where recommended in the bulk and substrate sampling table prepared by Fuss & O'Neill. The selected locations shall be selected to represent a "worst case" location using bulk sampling data obtained for mastic adhesives. The selected locations will be the locations with the highest PCB bulk product sampling results.

Building B

Conduct sampling in no less than two locations for each type of floor tile type (e.g. 9" x 9" or 12" x 12"). Samples shall be collected where recommended in the bulk and substrate sampling table prepared by Fuss & O'Neill. The selected locations shall be selected to represent a "worst case" location using bulk sampling data obtained for mastic adhesives. The selected locations will be the locations with the highest PCB bulk product sampling results.

Building D

Conduct sampling in no less than two locations for each type of floor tile type (e.g. 9" x 9" or 12" x 12"). Samples shall be collected where recommended in the bulk and substrate sampling table prepared by Fuss & O'Neill. The selected locations shall be selected to represent a "worst case" location using bulk sampling data obtained for mastic adhesives. The selected locations will be the locations with the highest PCB bulk product sampling results.

The above shall represent an initial approach to expedite the substrate testing in an effort to determine depths and extent of contamination from PCB Bulk Products (mastic adhesives). The total number of estimated core and substrate samples based on the below SOP is included in Table 1 below fs:

Table 1
Estimated # of Samples

Building	Material Designation	Type of sample Method[1]	Depth of Sample and number of samples
Building A	9" x 9" Floor Tile Mastic	Method 1	Surface to ¼ inch samples – 2 locations
	9" x 9" Floor Tile Mastic	Method 1	¼" to ¾" samples – 2 locations
	9" x 9" Floor Tile Mastic	Method 1	¾" to 1 ¼" samples – 2 locations
	12" x 12" Floor Tile Mastic	Method 1	Surface to ¼ inch samples – 2 locations
	12" x 12" Floor Tile Mastic	Method 1	¼" to ¾" samples – 2 locations
	12" x 12" Floor Tile Mastic	Method 1	¾" to 1 ¼" samples – 2 locations
	9" x 9" Floor Tile Mastic	Method 2	Core Sample full thickness of slab 4" diameter – 2 locations
	12" x 12" Floor Tile Mastic	Method 2	Core Sample full thickness of slab 4" diameter – 2 locations
Building B	9" x 9" Floor Tile Mastic	Method 1	Surface to ¼ inch samples – 2 locations
	9" x 9" Floor Tile Mastic	Method 1	¼" to ¾" samples – 2 locations
	9" x 9" Floor Tile Mastic	Method 1	¾" to 1 ¼" samples – 2 locations
	12" x 12" Floor Tile Mastic	Method 1	Surface to ¼ inch samples – 2 locations
	12" x 12" Floor Tile Mastic	Method 1	¼" to ¾" samples – 2 locations
	12" x 12" Floor Tile Mastic	Method 1	¾" to 1 ¼" samples – 2 locations

	9" x 9" Floor Tile Mastic	Method 2	Core Sample full thickness of slab 4" diameter – 2 locations
	12" x 12" Floor Tile Mastic	Method 2	Core Sample full thickness of slab 4" diameter – 2 locations
Building D	9" x 9" Floor Tile Mastic	Method 1	Surface to ¼ inch samples – 2 locations
	9" x 9" Floor Tile Mastic	Method 1	¼" to ¾" samples – 2 locations
	9" x 9" Floor Tile Mastic	Method 1	¾" to 1 ¼" samples – 2 locations
	12" x 12" Floor Tile Mastic	Method 1	Surface to ¼ inch samples – 2 locations
	12" x 12" Floor Tile Mastic	Method 1	¼" to ¾" samples – 2 locations
	12" x 12" Floor Tile Mastic	Method 1	¾" to 1 ¼" samples – 2 locations
	9" x 9" Floor Tile Mastic	Method 2	Core Sample full thickness of slab 4" diameter – 2 locations
	12" x 12" Floor Tile Mastic	Method 2	Core Sample full thickness of slab 4" diameter – 2 locations
Totals Samples for All Buildings		Method 1	36 Samples
		Method 2	12 Samples

1. Methods 1 and 2 are further detailed below.

Sample Collection Procedures –
Modified Substrate Sampling for Concrete Floor Slabs

The following procedures were developed to collect samples from porous substrate materials to determine the presence and extent of PCB contamination from source materials. This modified procedure is intended for existing concrete floor slabs, and will only be used for PCB containing floor tile mastic adhesives.

Site Preparations

- Polyethylene sheeting or equivalent
- Tape

  - Cover surrounding work areas with polyethylene sheeting (wall and floor surfaces) in order to prevent contamination of adjoining surfaces
  - Seal the placed polyethylene sheeting with tape
- HEPA Vacuum
- Waste disposal bag(s)
- Conduct sub slab scanning to detect dangers and or interferences below slab (structures, utilities, etc.). No core drilling shall occur without first conducting sufficient sub slab interference check.

Tools and Supplies

- Retain specific sub-consultant to conduct ground penetrating radar (GPR) for below slab utilities.
- Sub-Scanner Detection Tools such as Milwaukee M12 or equivalent (for rebar or solid woods etc.)
- PPE (tyvek suit, mask, gloves, eye and hearing protection)
- Anti-vibration work gloves
- Steel Toe Safety Boots
- Rotary impact hammer drill with half-inch and one-inch carbide drill bit (depending on multi-depth sampling)
- Demolition hammer
- Core drill press (Milwaukee or equivalent - 4" minimum) which can be anchored to floor with preference for those that use suction (in lieu of mechanically fastened) and have a pressurized water supply tank.
- Water to apply at point of contact (hoses, containers etc.)
- Wash procedure supplies (including paper towels and disposal bags)
- Polyethylene sheeting /tape
- HEPA vacuum
- Aluminum foil - used to aid in sample collection
- 4 oz. glass jar for sample collection

Additional or specific types of PPE may be required for concrete or masonry cutting or drilling depending on identified hazards associated with particular sites, conditions, materials, tasks and cutting or drilling equipment. ATC shall determine additional protections for potential exposures to silica dust, asbestos, PCBs which may warrant respiratory protection in addition to above specified minimal PPE. A Job Hazard Assessments shall be included to address the following additional considerations:

Known/Potential Hazards

- Wet slippery floor
- Unsafe grip or stance
- Unsafe start or stop procedures
- Worn or damaged coring bits

- Wrong type of coring bit
- Insufficient flow of water for coolant and dust suppression
- Incompatible bit and drilling equipment
- Improperly secured drill bit
- Improperly anchored drill mast
- Electrical, gas or water lines (utilities)
- Noise
- Vibration
- Silica Dust
- Asbestos
- PCBs
- Obstructions or resistance in the material being cut.
- Obstructions or other hazards in the work area
- Equipment Kick Back
- Crooked / offline core hole
- Loose clothing, chains around neck, long hair
- Uneven or unstable work surfaces

Method 1 Sampling Procedure

Sampling of masonry shall be conducted in accordance with EPA "Standard Operating Procedures (SOP) for Sampling Porous Materials for PCBs" - (dated May 5, 2011)

1. This sampling involves complete removal of bulk product materials (source PCB materials) at sampling locations using hand tools (intent is to ensure complete removal of source material prior to sampling adjacent surfaces). For this modified procedure all mastic is > 50 ppm and may also contain asbestos.

2. Once removal of all visible source material is performed, the porous surfaces will be initially drilled to a depth of approximately ¼ inch depth to remove all visible mastic and concrete. Material shall be collected for analysis to confirm PCB content of the first ¼" of concrete slab materials.

3. Porous surfaces will then be sampled using a mechanical hammer drill to obtain samples at depths of ¼" to ¾" inch depth and ¾" to 1 ¼" inch depths (two discrete samples). Place collected samples in laboratory supplied 4 oz. glass jar.

4. Store collected samples in cooler.

5. Tools utilized to collect samples will be cleaned using hexane wash series including soapy water, deionized (DI) water and hexane between sampling.

6. Any waste materials collected and/or produced during the sampling procedure shall be properly disposed of.

Method 2 Sampling Procedure

Core Sampling through entire thickness of slab

1. This sampling method involves complete removal of bulk product materials (source PCB materials) at sampling locations using hand tools (intent is to ensure complete removal of source material prior to sampling adjacent surfaces). For this modified procedure all mastic is >50 ppm and may also contain asbestos.

2. Setup core drill, which shall be attached to floor using suction or if necessary mechanical fasteners and a level stand. If mechanical fasteners are to be utilized, ensure the area of mastic removed includes proposed sample anchor points and conduct pilot hole drilling (minimum ¼") for fasteners per above method using hammer drill and HEPA vacuum.

3. Setup water supply tank and pressurize tank and ensure function of all equipment and full assembled system is properly setup per manufacturer's instructions.

4. The drilling shall be a two person operation to include one person to operate drill, and one person to continuously vacuum up water and dust mixture and ensure the water supply tank is kept properly pressurized.

5. Drill 4-inch diameter core through entire thickness of floor slab (estimate 5-6" thickness) using wet methods. Once core drill is complete, remove core and place in plastic storage container and store collected samples in cooler. The core samples shall be frozen until the samples are submitted to the laboratory. The cores will not be sent to the lab unless it is determined that PCB present at a concentration greater than 1 ppm at more than 1 inch into the slabs.

6. Prior to removal of drill bits etc., unplug equipment to lock out and tag out devices. Tools utilized to collect samples will be cleaned using hexane wash series including soapy water, DI water and hexane between sampling.

7. Any waste materials collected and/or produced during the sampling procedure shall be properly disposed of.

Repeat the process for each sample collected.

Sample Documentation

- Site and location of the sample extraction - diagram
- Date on each page
- Exact times of sampling events or visual observations

- Types of samples collected and sample identification numbers
- Number of samples collected
- Specific description of sample locations
- Description of sampling methods
  - Aroclor analysis is EPA Method 8082
- Field observations
- Name of all field personnel

Analysis

Samples will be analyzed using EPA Method 3500B/3540C (Soxhlet Region 1) for extraction and analysis of samples using EPA Method 8082.

Laboratory

The bulk and substrate samples will be sent to Con-Test Laboratory (Con-Test) of East Longmeadow, Massachusetts for analysis of PCBs using EPA Method 3500B/3540C (Soxhlet Region 1) for extraction and analysis of samples using EPA Method 8082. Con-Test was recently acquired by Pace Analytical; the transition of Con-Test will occur during the first quarter of 2021.

The samples will be analyzed in accordance with the Con-Test's PCB analysis by gas-chromatography procedure, which was previously provided in the December 22, 2020 approved SOP prepared by Fuss & O'Neill, Inc..

Con-Test (Pace) has a method for florisil cleanup of solvent extracts of PCB sample by solid phase extraction cartridges. Each cartridge is washed with solvent prior to use. The sample is loaded onto the cartridge which is then eluted with 90:10 Hexane/Acetone, then concentrated to a known volume. All sample extracts that are cleaned up using this procedure must also have associated method blanks and LCS samples cleaned up using this procedure. A copy of Con-Test's procedure - which was previously provided in December 22, 2020 approved SOP is included as Attachment B.

Laboratory detection limits will be at 0.5 parts per million (ppm) and turnaround time for samples will be standard of 2 weeks.

Attachment A – Proposed Sampling Location Diagrams

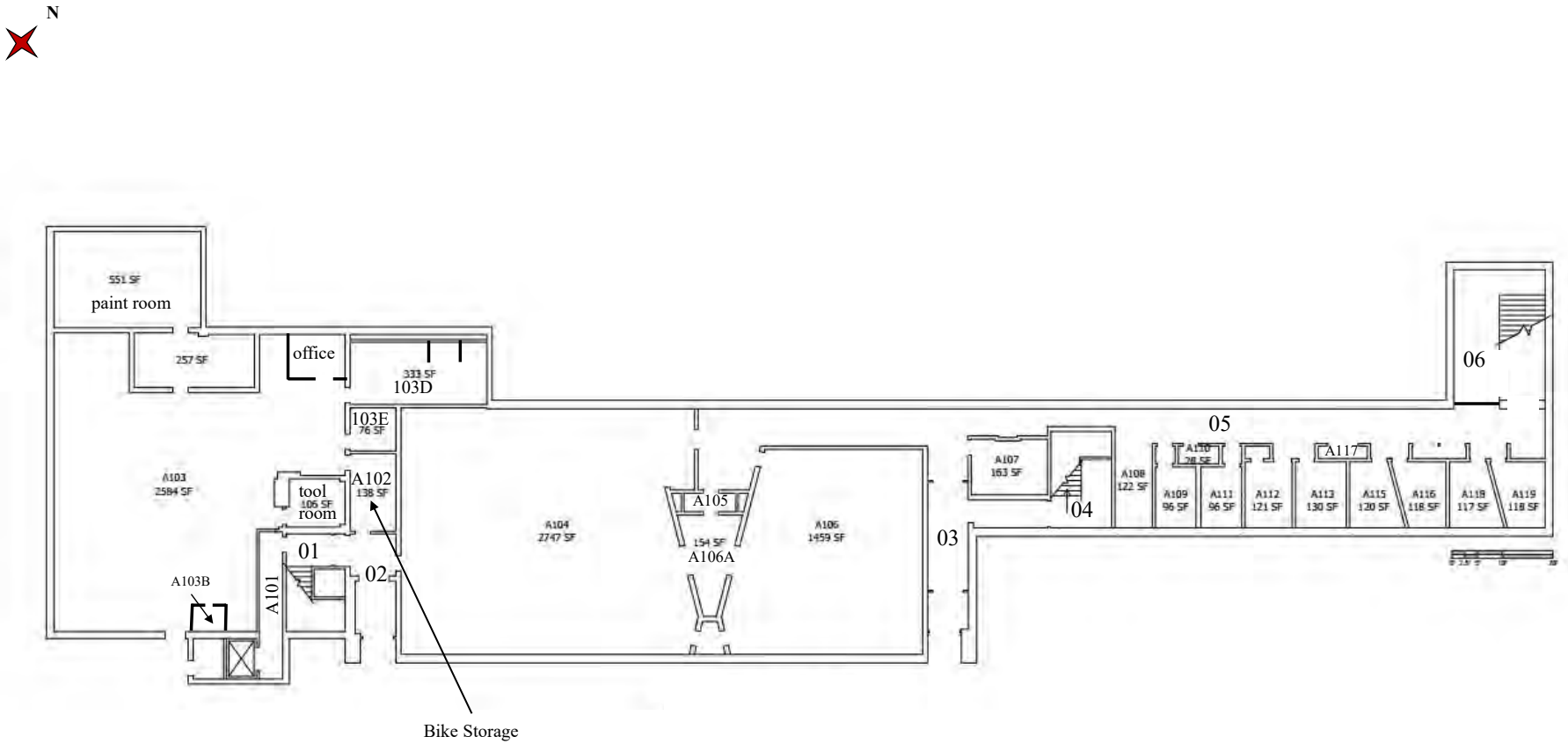


DIAGRAM I - Building A – First Floor

Address: Burlington High School
52 Institute Road
Burlington, Vermont

Project Number: 280BS01563

51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Field Notes

SCALE: Not to scale

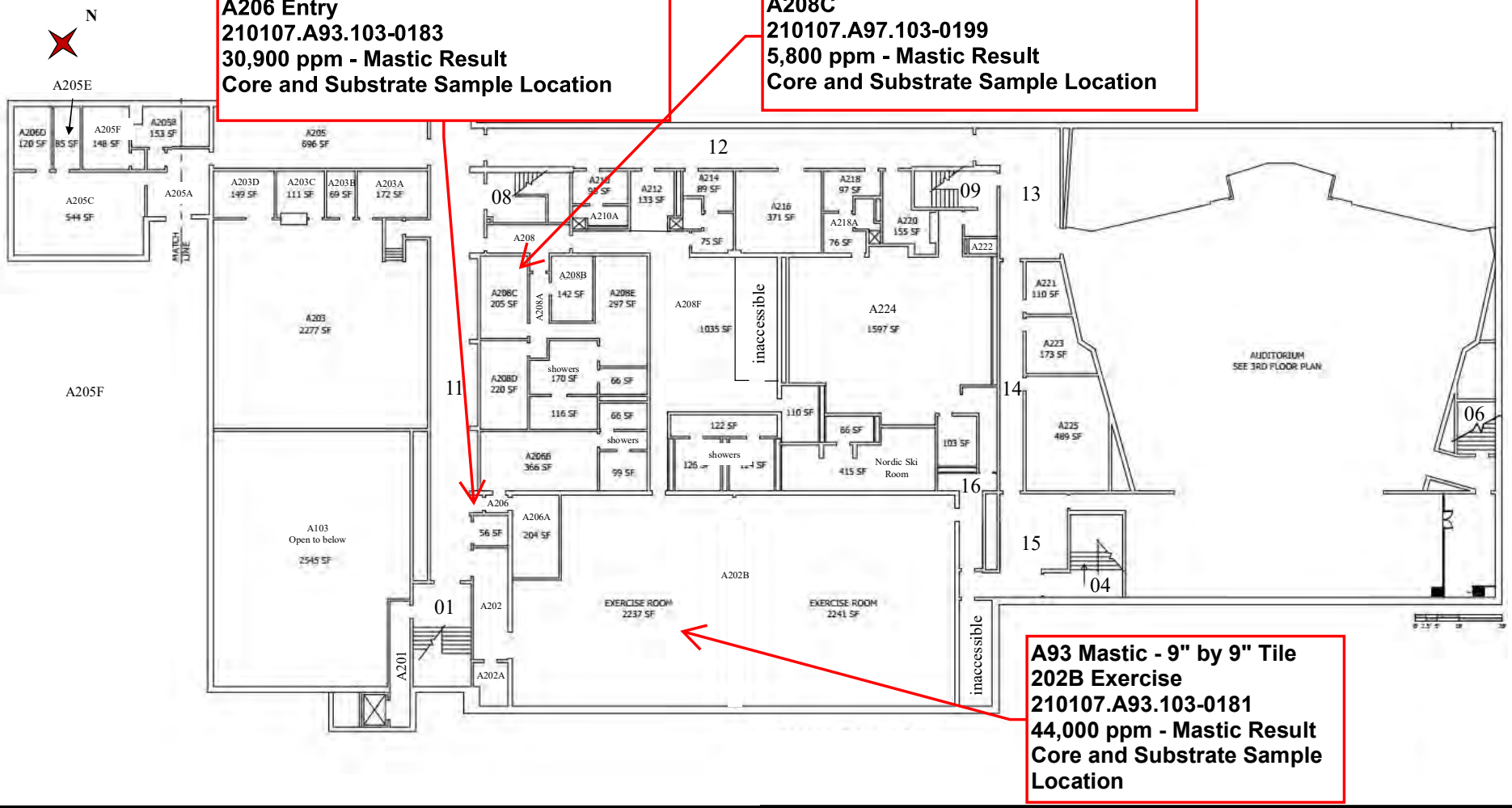


DIAGRAM II - Building A – Second Floor

Address: Burlington High School
52 Institute Road
Burlington, Vermont

Project Number: 280BS01563

51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Field Notes

SCALE: Not to scale

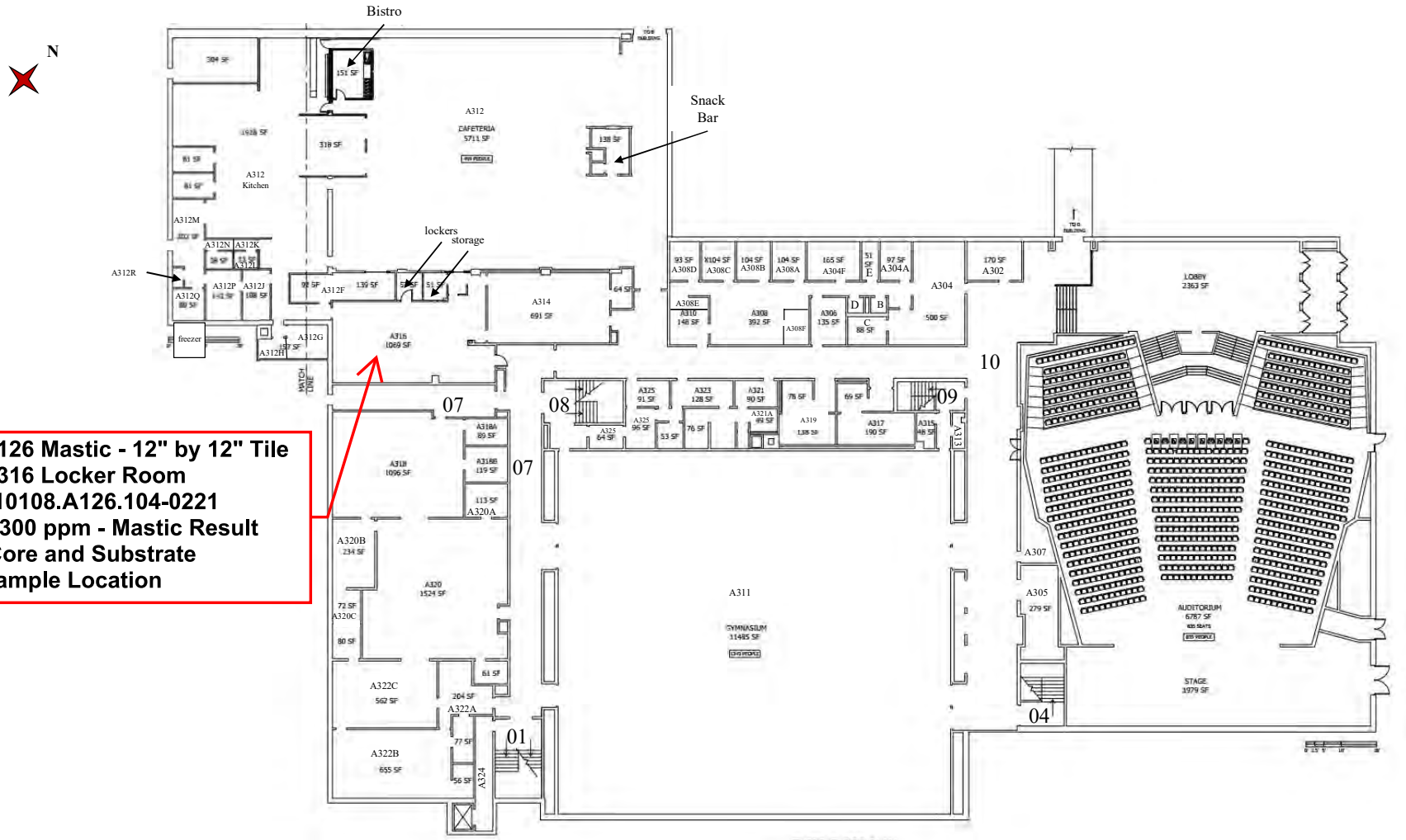


DIAGRAM III- Building A – Third Floor

Address: Burlington High School
52 Institute Road
Burlington, Vermont

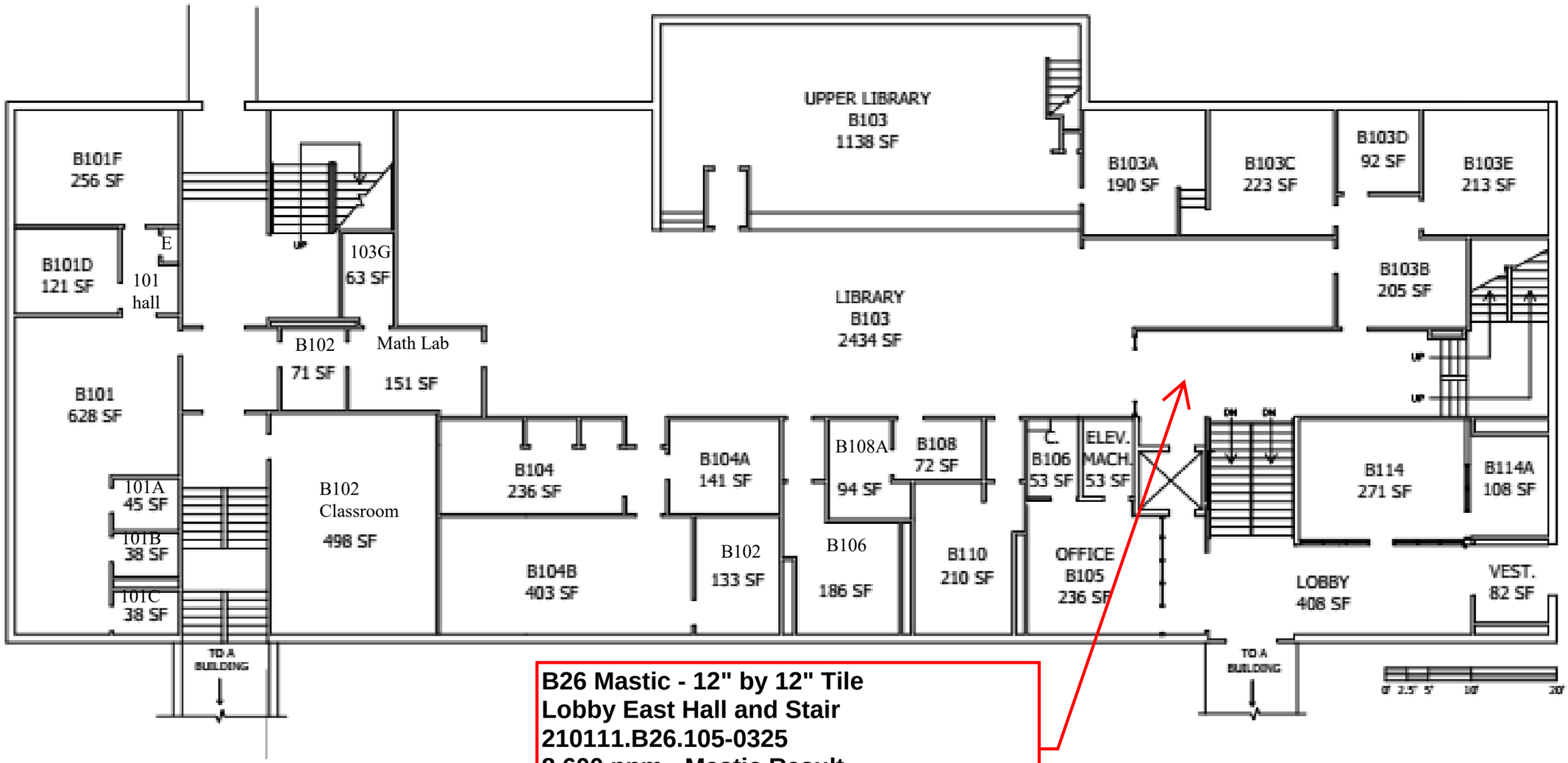
Project Number: 280BS01563

ATC
51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Field Notes

SCALE: Not to scale

N



B26 Mastic - 12" by 12" Tile
Lobby East Hall and Stair
210111.B26.105-0325
8,600 ppm - Mastic Result
Core and Substrate Sample Location

Building B – First Floor
Address: **Burlington High School**
52 Institute Road
Burlington, Vermont

Project Number: 280BS01563

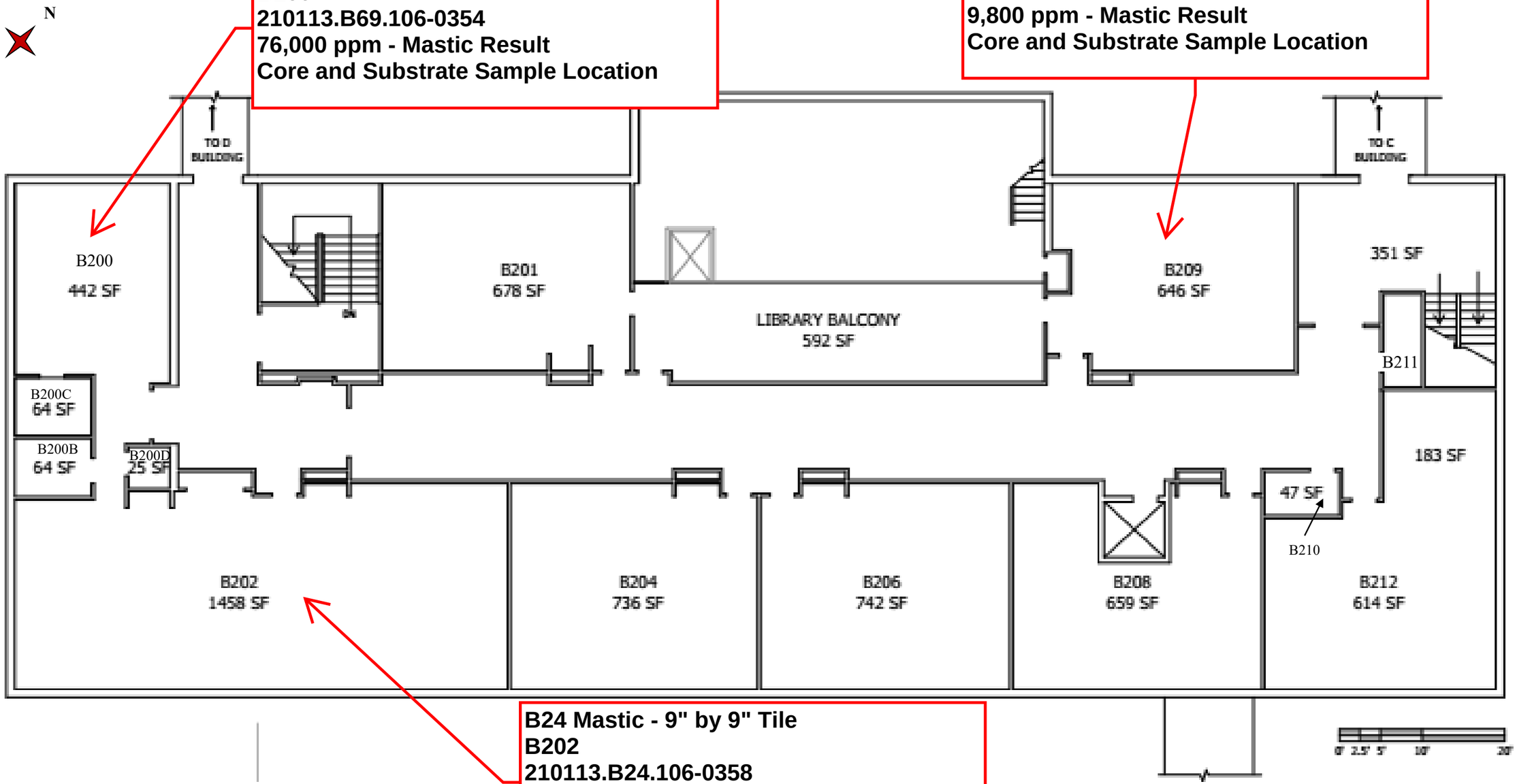
ATC
51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Field Notes

SCALE: Not to scale

B69 Mastic - 9" by 9" Tile
B200
210113.B69.106-0354
76,000 ppm - Mastic Result
Core and Substrate Sample Location

B63 Mastic - 12" by 12" Tile
B209
210111.B63.106-0389
9,800 ppm - Mastic Result
Core and Substrate Sample Location



B24 Mastic - 9" by 9" Tile
B202
210113.B24.106-0358
129,000 ppm - Mastic Result
Core and Substrate Sample Location

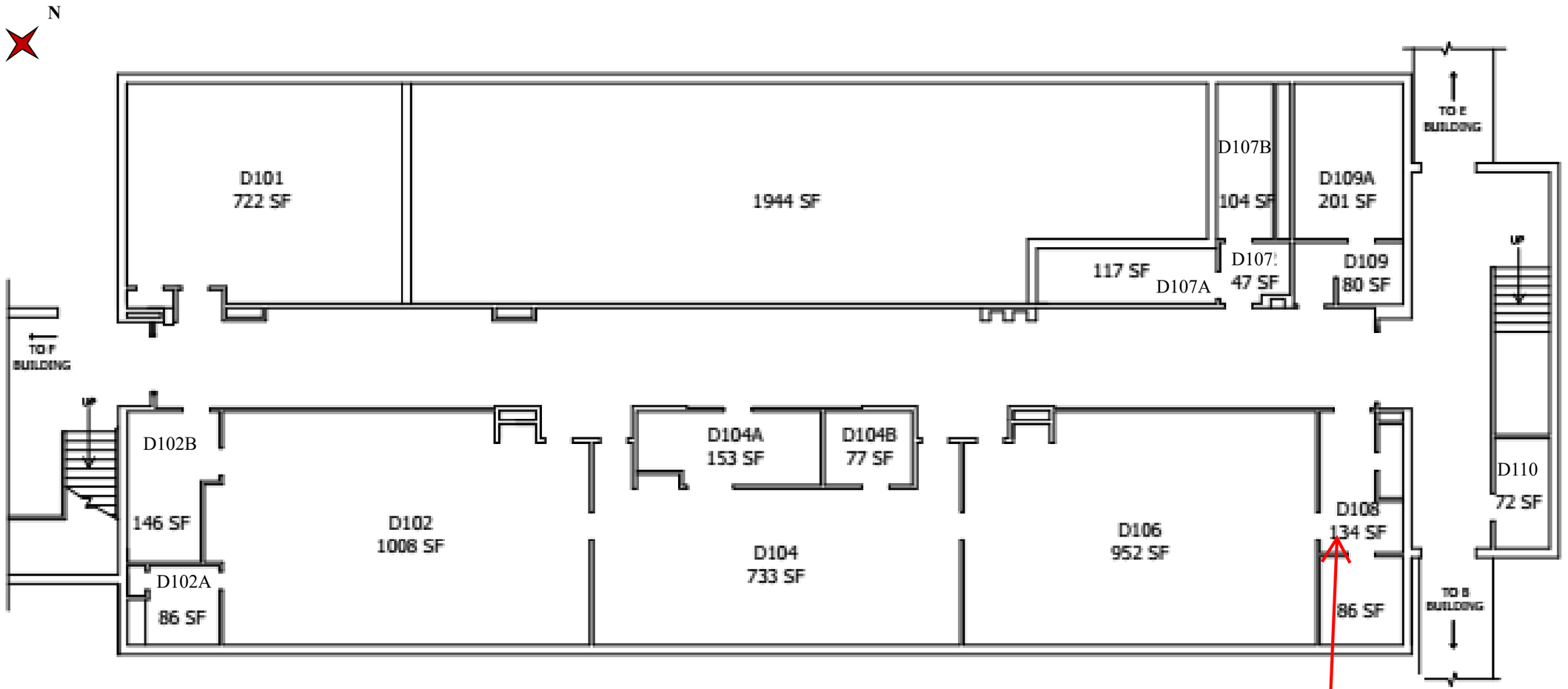
Building B – Second Floor
Address: **Burlington High School**
52 Institute Road
Burlington, Vermont

Project Number: 280BS01563

51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Field Notes

SCALE: Not to scale



Building D – First Floor

Address: Burlington High School
52 Institute Road
Burlington, Vermont

Project Number: 280BS01563

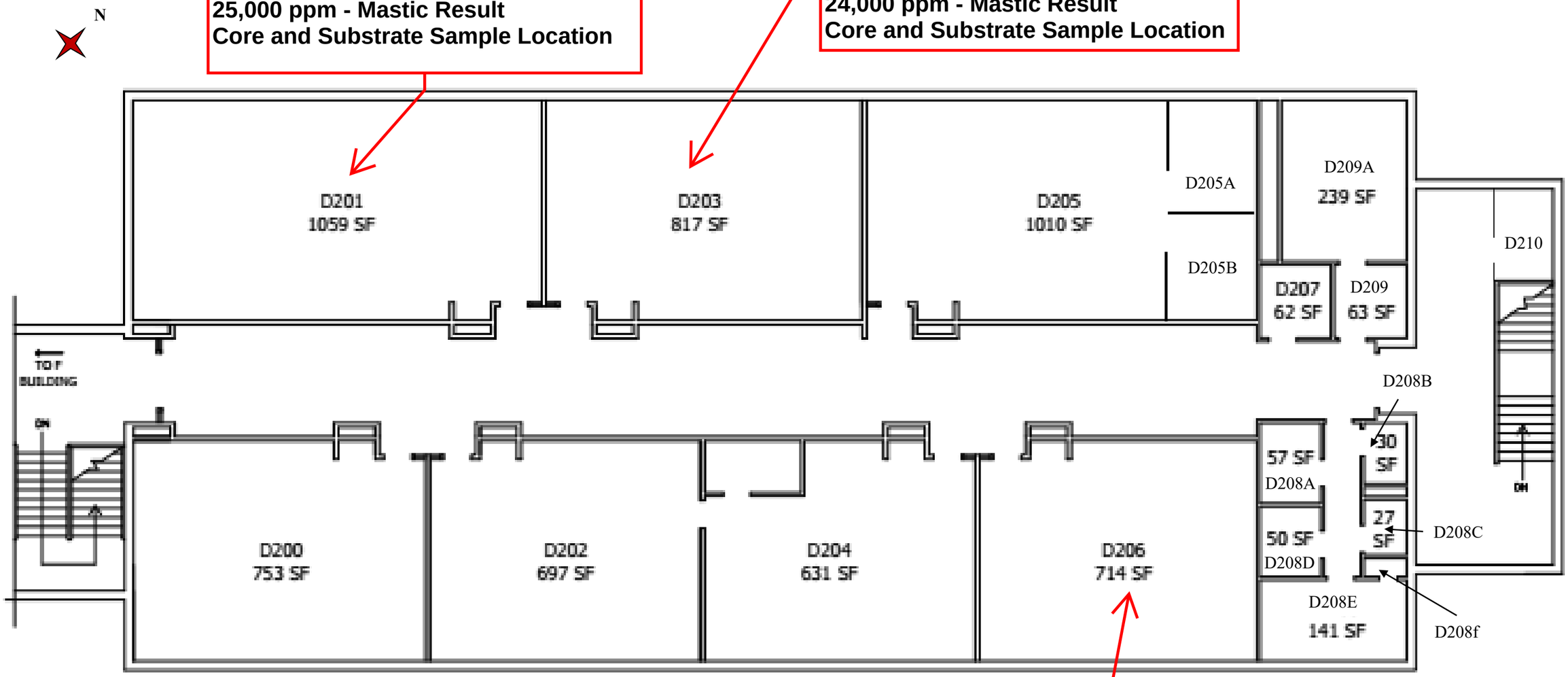
51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Field Notes

SCALE: Not to scale

D41 Mastic - 12" by 12" Tile
D201
2101115.D41.108-0442
25,000 ppm - Mastic Result
Core and Substrate Sample Location

D34 Mastic - 9" by 9" Tile
D203
2101115.D34.108-0449
24,000 ppm - Mastic Result
Core and Substrate Sample Location



D24 Mastic - 12" by 12" Tile
D206
2101114.D24.108-0462
45,000 ppm - Mastic Result
Core and Substrate Sample Location

Building D – Second Floor
Address: **Burlington High School**
52 Institute Road
Burlington, Vermont

Project Number: 280BS01563

ATC
51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Field Notes

SCALE: Not to scale

Attachment B – Con-Test Laboratory SOP

Method SW-846 3620C
Florisil Cleanup of Pesticides and PCB's

Approved:

Tod Kopyscinski
Laboratory Director

Katherine Allen
QA Officer

Revision Number: 5

NON-CONTROLLED COPY

Change Record

Revision	Date	Responsible Person	Description of Change
0	08/05/2008	Fran Derose	Original
1	01/24/2012	John Beane	Update from annual review: Sec. 4.0 (updated to include alternative procedure), Sec. 6.0 (added pollution prevention), Sec. 4.2.4, 4.2.5, and 4.2.7 (5 mLs changed to 1 mL), and Sec. 8.0 (reference section updated to include 8081B and new MCP rev).
2	08/30/2013	Katherine Allen	Updates from 2012 annual SOP review: Sec. 4.2.6 (90/10 hexane/acetone mix added) and Sec. 8.0 (addition of 8081B MA CAM).
3	1/13/2015	Katherine Allen	Update from annual internal audit: Sec 3.0 (add activated florisil and vortex and delete vacuum pump), addition of section 4.3 (enhanced florisil cleanup procedure).
4	03/23/2016	Charles Balicki	Updated Sections 4.1.2 and 4.1.4.
5	03/12/2019	Charles Balicki	Updates from Annual SOP Review. Section 2.2 Added information about Restek and certificates received with each lot. Removed Section 2.2.1. Removed Section 4.2. Sec 3.0 and 8.0 – deleted TurboVap ref.

Distribution/Training List

See Employee Training Record File for signed training statements for trained users.

1.0 SCOPE AND APPLICATION

This method describes procedures for florisil cleanup of solvent extracts of Pesticide and PCB samples by solid phase extraction cartridges. Each cartridge is washed with solvent prior to use. The sample is loaded onto the cartridge which is then eluted with 90:10 Hexane/Acetone, then concentrated to a known volume. All sample extracts that are cleaned up using this procedure, must also have associated method blanks and LCS samples cleaned up using this procedure. This method also describes a modified enhanced Florisil clean-up procedure.

2.0 INTERFERENCES

2.1 Solvents, reagents, glassware, and other hardware may yield artifacts, and/or interferences to sample analysis. All of these materials must be demonstrated to be free from interferences by analyzing method blanks.

2.2 The efficiency of each lot of solid-phase extraction cartridges is verified by Restek. This lot check is documented on a verification certificate which is received with each lot. This certificate is scanned into Element.

3.0 EQUIPMENT AND SUPPLIES

3.1 Vacuum manifold-Visiprep (SUPELCO, Inc) or equivalent, consisting of glass vacuum basin, collection rack and funnel, collection vials, replaceable delivery tips, built in vacuum bleed valve, and gauge.
3.2 Hexane (C_6H_{14}) – Pesticide Quality
3.3 Acetone (CH_3COCH_3) – Pesticide Quality
3.4 Vials – 12 mL Amber Vials with screw tops
3.5 Vials – 2 mL Target Vials with snap caps
3.6 Graduated Cylinder – 10 mL
3.7 N-EVAP Concentration system
3.8 Florisil Cartridge 1g – RESTEK or equivalent
3.9 Florisil SEP-PAK cartridges – WATERs or equivalent
3.10 Activated Granular Florisil
3.11 Vortex

4.0 PROCEDURE

4.1 Cartridge Set-up and Conditioning

<u>First check each cartridge to make sure Florisil is packed correctly</u>

4.1.1 Arrange the cartridges on the manifold in the closed-valve position.
4.1.2 Add 10.0 mL of Hexane to each cartridge. Slowly open the cartridge valves to allow Hexane to pass through the sorbent beds. Allow a few drops of Hexane to pass through the cartridge to remove all air bubbles that may exist.
4.1.3 Close valves and allow the solvent to soak the entire sorbent bed for 5 minutes.

4.1.4 Slowly open cartridge valves to allow ~9ml of Hexane to pass through the cartridges. Close the cartridge valves when there is still at least 1 ml of solvent above the sorbent bed. **Do not allow the cartridges to become dry. If cartridges go dry, repeat the conditioning step.**

4.1.5 Add 1.0 mL of sample extract to a cartridge then slowly open valves to allow sample to pass through the cartridges completely.

4.1.6 Elute the cartridge with 10.0 mL of Hexane:Acetone (90:10) mix. Open valve. Solvent is collected in a 15 X 75 mm vial. Take the cleaned extract and re-concentrate it using the N-EVAP back down to 1.0 mL in a 2mL snap cap vial.

4.2 Enhanced Modified Florisil Cleanup Procedure

4.2.1 Add approximately 0.5g of activated florisil into a clean 4mL vial.

4.2.2 Add 4 mL of sample extract to the vial. If a sample dilution is necessary, prepare 4mLs of sample at the necessary dilution inside the 4mL vial, adding hexane first.

4.2.3 Cap the vial and shake for 10 seconds, then vortex for 10 seconds. Allow florisil to settle 10 seconds.

4.2.4 If additional florisil clean-ups are needed, transfer extract into a second clean 4mL vial containing approximately 0.5g of activated florisil and repeat step 4.3.3.

4.2.5 After all florisil clean-ups have been completed, perform a sulfuric acid clean-up on an aliquot of the extract.

5.0 SAFETY

See Material Safety Data Sheets (MSDS's) and Con-Test Analytical Laboratory Chemical Hygiene Plan.

6.0 POLLUTION PREVENTION

Pollution prevention encompasses any technique that reduces or eliminates the quantity and or eliminates the quantity and or toxicity of waste at the point of generation. Many opportunities for pollution prevention exist in laboratory operation. Whenever feasible, laboratory personal should use pollution prevention techniques to address waste generation. When it is not feasible to reduce wastes at the source, recycling is recommended as the next best option. Standards should be prepared in volumes consistent with laboratory use to minimize the volume of expired standards to be disposed.

7.0 WASTE MANAGEMENT

It is the laboratory's responsibility to comply with all federal, state, and local regulations governing the waste management, particularly the hazardous waste identification rules and land disposal restrictions, and to protect the air, water, and land by minimizing and controlling all releases from fume hoods and bench operations. Also, compliance is required with any sewage discharge permits and regulations.

Any PCB containing samples with over 2.0 ppm are labeled and stored separately for disposal. Used standards are accumulated as a lab-pack and sent out to be disposed properly by a waste management company.

8.0 REFERENCES

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8.6 MA DEP, MCP Data Enhancement Program, "Quality Control Requirements and Performance Standards for the Analysis of Chlorinated Pesticides by Gas Chromatography (GC) in support of Response Actions under the Massachusetts Contingency Plan (MCP)", Rev. 1, July 2010

8.7 MA DEP, MCP Data Enhancement Program, "Quality Control Requirements and Performance Standards for the Analysis of Chlorinated Pesticides by Gas Chromatography (GC) in support of Response Actions under the Massachusetts Contingency Plan (MCP)", Rev. 1, July 1, 2010.

8.8 EPA, SW-846 Test Method 3620C – Florisil Clean-up

SOP 25.00 PCB Bulk and Wipe Sampling

BACKGROUND

- ✓ PCB in building materials regulated under the Toxic Substances Control Act (TSCA).
- ✓ TSCA is administrated by EPA.
- ✓ Peak PCB use was from the late 1940s to 1978, when outlawed.
- ✓ Not clear how PCBs were added to building materials – leads variability of PCB concentrations within similar materials. Leads to potential need for extensive sampling. Sometimes as frequent as 1 sample every 10 linear feet.

Suspect building materials include:

- Window glazing compound
- Door and window surround caulk
- Concrete and brick expansion joints
- Paints and varnishes
- Many others

Converging lines of evidence used to categorize suspect materials:

- - Building age (pre 1980)
- - type of building – typically not in single family
- - construction type – brick/concrete

SAMPLE COLLECTION AND DOCUMENTATION

Sample log/Chain of Custody

- date
- location
- color, texture
- application

Bulk Sampling

- - minimum of 10 grams of suspect material
- - glass container – labels, lid
- - decontaminate with hexane or discard tool
- - tools with disposable blades may be used
- - use Chain of Custody
- Decontaminate between every sample
- Capture waste for proper disposal by facility sample collected in

Analytical Method – Soxhlet 3540C, PCBs by 8082

- Minimum of 3 samples
- Request Lab for < 0.5 ppm detection limit or less

Wipe Samples

- 100 cm2 – sample area – precut templates or measured area
- Collect on sterile wipes soaked in Hexane – place in glass container, label and lid
- 3 in each direction
- Discard liquid

Use separate chain of custody for each building

When sampling caulk and glazing, get each from same window

When also sampling for asbestos, coordinate sample locations and naming.

Look for older product behind products being sampled. Note presence or absence of older product. Sample older product if present

FUSS & O'NEILL

M E M O R A N D U M

TO: Burlington School District, Tom Flanagan, Marty Spaulding

FROM: Bob May, Joshua Robinson

CC: PCI –Tom Peterson
ATC Group Services, LLC, Tom Broido,
EPA Region 1 –Kim Tisa
VTDEC –Patricia Coppolino, Shawn Donovan
VTDOH –Sarah Vose, Pamela Wadman, Lori Cragin
Ted Fisher

DATE: December 22, 2020

RE: Bulk and Substrate Sampling Procedures for Burlington High School

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This memorandum summarizes the testing practices and procedures to be used for bulk and substrate sampling of potential PCB containing materials at the Burlington High School (BHS). The sample collection and analysis procedures documented herein shall be followed for all bulk and substrate sampling. The proposed sampling is to be conducted to determine PCB content of bulk materials or products at the BHS.

The proposed sampling of building products shall help to ensure PCB content of materials for proper disposal for those materials and products to be impacted by the proposed renovations at BHS. The sampling shall also be utilized to inform decisions related to future investigations and remedial pilot projects to determine and demonstrate effective removal of identified materials and products to reduce PCBs within indoor air.

Potential PCB Containing Material Sampling

The proposed materials to be sampled include the listed products by building as the current round of potential PCB containing products in the tables attached as Attachment A. The tables show the proposed number of samples, the square footage of each product type, as well as the number of products. Each building has a separate table for the proposed samples.

- The sample locations proposed have been selected to be representative for each initial grouping of like materials based on color, texture, type, style/pattern and use.
- Data gathered in the field for specific locations and estimated total quantities have been included in tables.
- The proposed number of samples to be collected is based on a minimum of two samples of each like material.
- Where material locations are limited to a single room a minimum of two samples shall be collected.

- Where estimated material quantity exceeds 10,000 (square feet) SF a sample at a frequency of approximately 50% of locations or rooms represented by the total quantity has been proposed.
- Selected locations for samples have been included in the table and shall be the basis for field work.
- The selected locations include factors such as prior testing for indoor air has occurred within the locations.
- Locations which represent a greater quantity of the materials have also been used as a factor for selection.

Sample Collection Procedures – Bulk Sampling

The following description includes the tools, personal protective equipment, and equipment decontamination procedure.

Tools and Supplies

- Hand tools (disposable tools shall be used whenever possible)
- Caulking gun
- Disposable gloves
- Safety glasses
- Hexane wash procedure kit
- Bucket
- Paper towels
- Disposal bags
- 4 oz. glass jars
- Cooler

Personal Protective Equipment

- Gloves
- Safety glasses
- HEPA filtered half-face mask – supplemental testing – adjacent surface sampling
- Tyvek suits – supplemental testing – adjacent surface sampling

Equipment Decontamination Procedure

- Tap water
- Soapy water
- DI water
- Hexane or methane
- DI water

Bulk Sample (Source Material) Collection Procedures

Specific locations to be sampled have been selected based on factors such as color, texture, type, style/pattern and use. Samplers shall visually confirm materials represent the above during their sampling. If any differences are noted in the materials from other sampling locations, denote these differences but still collect the samples.

Specific product recommendations:

- Caulking or other seam sealant materials such as ducts – visually observe caulk or sealant product for confirmation of color and texture. Denote substrates materials are applied to such as metal window frame, metal duct etc. and adjacent substrates such as brick, CMU, concrete plaster etc. Scrape to remove caulk from substrate completely to full depth of joint. Denote any backing materials or rods in place behind caulk or sealants. Note any differences visually observed such as different colors indicating possible multi-layered caulks.
- Mastic and adhesives associated with Floor tile, carpet, sheet flooring, stair treads and ceramic flooring – remove sufficient flooring from the proposed sampling location including small pieces. Set flooring aside for disposal or reinstallation upon completing mastic sampling. DO NOT scrape mastic from backs of floor tiles. Sampling shall be performed by removing mastic specifically from concrete substrates using hand held tools. Scrape sufficient quantity of mastic which may require multiple tiles worth of mastic. Ensure mastic is visibly homogenous in color and denote any differences such as mixed colors or if leveling materials or compounds are observed.
- Vinyl Cove Base Adhesives – remove sufficient vinyl cove base from wall surface and set aside for disposal or reinstallation upon completing adhesive sampling. DO NOT scrape mastic from backs of base. Sampling shall be performed by removing adhesive specifically from substrates using hand held tools. Scrape sufficient quantity of adhesive taking care to not include any substrate materials in the sample. Substrate materials may include plaster, CMU, concrete or stucco. Ensure adhesives are visibly homogenous in color and denote any differences such as mixed colors if observed. Denote substrate type from which materials were removed.
- Ceiling tiles – ceiling tiles have been identified by differences in size and pattern styles. Care shall be taken to ensure the ceiling tiles match the like material sampling number and pattern before sampling. Denote any differences in backing color of ceiling tiles which could indicate a different installation period (e.g.; red backed tiles). If a brand name is visible on back side of tiles denote this information. Sample ceiling tile to include full thickness of tile including any paint on finished side.
- Ceramic Wall Tile and Mirror Adhesives – remove sufficient tile or mirror from wall surface and set aside for disposal or reinstallation upon completing adhesive sampling. DO NOT scrape mastic from backs of material. Sampling shall be performed by removing adhesive specifically from substrates using hand held tools. Scrape sufficient quantity of adhesive taking care to not include any substrate materials in the sample. Substrate materials may include plaster, CMU,

concrete or stucco. Ensure adhesives are visibly homogenous in color and denote any differences such as mixed colors if observed. Denote substrate type from which materials were removed.

- Glue Daubs associated with ceiling tiles - remove sufficient ceiling tiles from ceiling surface and set aside for disposal or reinstallation upon completing adhesive sampling. DO NOT scrape mastic from backs of ceiling tiles. Sampling shall be performed by removing adhesive specifically from substrates using hand tools. Scrape sufficient quantity of adhesive taking care to not include any substrate materials in the sample. This includes removing residual ceiling tile if left on face of glue daub. Substrate materials may include plaster, CMU, concrete or stucco. Ensure adhesives are visibly homogenous in color and denote any differences such as mixed colors if observed. Denote substrate type from which materials were removed.

Sample collection Procedure

1. Pre-clean equipment/tools to be used to collect source material (hexane or equivalent wash procedure);
2. Put on disposable gloves;
3. Collect bulk sample of source material and place in 4 oz. glass jar;
4. Label sampling container and Chain of Custody;
5. Store collected bulk samples in cooler;
6. Dispose of sample equipment such as razor knife blades etc. if not proposing for reuse.

Repeat process for each individual sample collected.

Sample Documentation

- Site and location of the sample extraction - diagram
- Date on each page
- Exact times of sampling events or visual observations
- Types of samples collected and sample identification numbers
- Number of samples collected
- Specific description of sample locations
- Description of sampling method
  - Aroclor analysis is EPA Method 8082
- Field observations (see notes for specific products to include)
- Name of all field personnel

Sample Collection Procedures – Substrate Sampling

Initial phase of sampling shall be for bulk product or source materials. Based on the results of testing, sampling of substrates to determine impacts may be required to determine PCB content. Substrate testing will not be conducted until it can be determined locations which will include a determination of

PCB content for source products first. The PCB content is necessary in order to ensure that known concentrations of source are used in determining locations for substrates.

The following procedures are to collect samples from porous substrate materials to determine the presence and extent of PCB contamination from source materials.

Site Preparations

- Polyethylene or equivalent
- Tape
    - Cover surrounding work areas with poly (wall and floor surfaces) in order to prevent contamination of adjoining surfaces
    - Seal with tape
- HEPA Vacuum
- Waste disposal bag

Tools and Supplies

- PPE (tyvek suit, mask, gloves, eye and hearing protection)
- Rotary impact hammer drill with half-inch and one-inch carbide drill bit (depending on multi-depth sampling)
- Demolition hammer
- Wash procedure supplies (including paper towels and disposal bags
- Poly/tape
- HEPA vacuum
- Aluminum foil - used to aid in sample collection
- 2-4 oz. glass jar for sample collection

Standard Operating Procedure (SOP) for Sampling Concrete in the Field, Region I, EPA – New England

Sampling of masonry in accordance with EPA "Standard Operating Procedures (SOP) for Sampling Porous Materials for PCBs" - (dated May 5, 2011)

1. This sampling involves complete removal of bulk product materials (source materials) at sampling locations using hand tools (intent is to ensure complete removal of source material prior to sampling adjacent surfaces).

2. Once removal of all visible source material is performed, the porous surfaces will be cleaned using cleaning product (Simple Green) with a wire brush followed by rinsing the surface with distilled water.

3. Porous surfaces will be sampled using a mechanical hammer drill to obtain samples at depths of 0 to 0.5 inch depth and 0.5 to 1 inch depths where possible based on material matrix. Place collected sample in laboratory supplied 4 oz. glass jar.

4. Store collected samples in cooler.

5. Tools utilized to collect samples will be cleaned using hexane wash series including soapy water, distilled clean water and hexane between sampling.

Repeat process for each sample collected.

Sample Documentation

- Site and location of the sample extraction - diagram
- Date on each page
- Exact times of sampling events or visual observations
- Types of samples collected and sample identification numbers
- Number of samples collected
- Specific description of sample locations
- Description of sampling methods
  - Aroclor analysis is EPA Method 8082
- Field observations
- Name of all field personnel

Analysis

Samples will be analyzed using EPA Method 3500B/3540C (Soxhlet Region 1) for extraction and analysis of samples using EPA Method 8082.

Laboratory

The bulk and substrate samples will be sent to Con-Test Laboratory (Con-Test) of East Longmeadow, Massachusetts for analysis of PCBs using EPA Method 3500B/3540C (Soxhlet Region 1) for extraction and analysis of samples using EPA Method 8082. Con-Test was recently acquired by Pace Analytical; the transition of Con-Test will occur during the first quarter of 2021.

The samples will be analyzed in accordance with the Con-Test's PCB analysis by gas-chromatography procedure, which is included as Attachment C.

Con-Test (Pace) has a method for florisil cleanup of solvent extracts of PCB
samples by solid phase extraction cartridges. Each cartridge is washed with solvent prior to use.
The sample is loaded onto the cartridge which is then eluted with 90:10 Hexane/Acetone, then

concentrated to a known volume. All sample extracts that are cleaned up using this procedure, must also have associated method blanks and LCS samples cleaned up using this procedure. A copy of Con-Test's procedure is included as Attachment C.

Quality Assurance / Quality Control

A duplicate sample as a split sample shall be obtained for bulk samples at a frequency of one per 50 samples. Duplicates shall be labeled as blind samples to laboratory on chain of custody forms. For duplicates, the field samplers shall predetermine and ensure sufficient sample volume of materials are present for duplicates.

Laboratory detection limits will be at 0.5 parts per million (ppm) and turnaround time for samples will be 10 business days.

Attachment A – Sampling Location Tables

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		Multiple	12 Rooms		sq. ft.	0					
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		3	315		sq. ft.						
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		3	313		sq. ft.						
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		3	Mezzanine		sq. ft.						
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		3	Above Stage		sq. ft.						
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		3	Catwalk above Auditorium		sq. ft.						
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		4	404 (suite)		sq. ft.						
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		4	407		sq. ft.						
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		4	408		sq. ft.						
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		4	408A		sq. ft.						
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		4	410		sq. ft.		above ceiling tile				
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		4	416		sq. ft.						
A09	Roof Deck Material	Acoustical Fiberglass Roof Deck		4	416A		sq. ft.						
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	Multiple	15 Rooms	8,125	sq. ft.	0					Only test mastic for PCBs at this time.
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	1	101	140	sq. ft.		Throughout	4			
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	-	01 (stairwell)	740	sq. ft.		Throughout	4		21.5	
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	1	02 (hall)	202	sq. ft.		under carpet	4			
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	1	102 (Bike Storage)	132	sq. ft.		Throughout	4			
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	1	03 (hall)	240	sq. ft.		Throughout	4			
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	-	04 (stairwell)	570	sq. ft.		Throughout	4		48,52	
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	-	06 (stairwell)	370	sq. ft.		Landing and 2nd floor	4			
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	3	324	140	sq. ft.		Throughout	4		17	
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	3	7 Hallway	1072	sq. ft.		Throughout	4		40	
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	3	8 Stairwell	555	sq. ft.		Throughout	4		69	
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	3	09 Stairwell	370	sq. ft.		Throughout	4		39	
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	3	10 Hallway	3114	sq. ft.		Throughout	4		22.8	
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	3	Lobby (Auditorium Entry)	200	sq. ft.		Throughout	4		40	
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	4	402	140	sq. ft.		Throughout	4			
A27	Vinyl Floor Tile	12" x 12", tan w/ rust & white streaks	Gray	2	201	140	sq. ft.		Throughout	4			
A28	Mastic	associated with A27	Black	Multiple	15 Rooms	8,125	sq. ft.	3					3 samples proposed. One sample per approx. 2,500 sq ft.
A28	Mastic	associated with A27	Black	1	101	140	sq. ft.		Throughout	4			
A28	Mastic	associated with A27	Black	-	01 (stairwell)	740	sq. ft.		Throughout	4		21.5	
A28	Mastic	associated with A27	Black	1	02 (hall)	202	sq. ft.		under carpet	4			
A28	Mastic	associated with A27	Black	1	102 (Bike Storage)	132	sq. ft.		Throughout	4			
A28	Mastic	associated with A27	Black	1	03 (hall)	240	sq. ft.		Throughout	4			
A28	Mastic	associated with A27	Black	-	04 (stairwell)	570	sq. ft.	1	Throughout	4		48,52	
A28	Mastic	associated with A27	Black	-	06 (stairwell)	370	sq. ft.		Landing and 2nd floor	4			
A28	Mastic	associated with A27	Black	3	324	140	sq. ft.		Throughout	4		17	
A28	Mastic	associated with A27	Black	3	7 Hallway	1072	sq. ft.		Throughout	4		40	
A28	Mastic	associated with A27	Black	3	8 Stairwell	555	sq. ft.	1	Throughout	4		69	

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A28	Mastic	associated with A27	Black	3	09 Stairwell	370	sq. ft.		Throughout	4		39	
A28	Mastic	associated with A27	Black	3	10 Hallway	3114	sq. ft.		Throughout	4		22.8	
A28	Mastic	associated with A27	Black	3	Lobby (Auditorium Entry)	200	sq. ft.	1	Throughout	4		40	
A28	Mastic	associated with A27	Black	4	402	140	sq. ft.		Throughout	4			
A28	Mastic	associated with A27	Black	2	201	140	sq. ft.		Throughout	4			
A29	Covebase	4" brown	Brown	Multiple	13 Rooms	585	sq. ft.	0					Only test mastic for PCBs at this time. 4* base would be 1757 LF
A29	Covebase	4" brown	Brown	1	101	22	sq. ft.		Throughout	3			
A29	Covebase	4" brown	Brown	-	01 (stairwell)	9	sq. ft.		Throughout top landing (4th Floor)	3		21.5	
A29	Covebase	4" brown	Brown	1	102 (Bike Storage)	16	sq. ft.		Throughout	3			
A29	Covebase	4" brown	Brown	1	03 (hall)	44	sq. ft.		Throughout	3			
A29	Covebase	4" brown	Brown	-	04 (stairwell)	52	sq. ft.		Throughout	3		48,52	
A29	Covebase	4" brown	Brown	3	324	22	sq. ft.		Throughout	3		17	
A29	Covebase	4" brown	Brown	3	7 Hallway	94	sq. ft.		Throughout	3		40	
A29	Covebase	4" brown	Brown	3	8 Stairwell	40	sq. ft.		Throughout	3		69	
A29	Covebase	4" brown	Brown	3	09 Stairwell	28	sq. ft.		Throughout	3		39	
A29	Covebase	4" brown	Brown	3	10 Hallway	182	sq. ft.		Throughout	3		22.8	
A29	Covebase	4" brown	Brown	4	402	22	sq. ft.		Throughout	3			
A29	Covebase	4" brown	Brown	4	411	32	sq. ft.		Throughout	3			
A29	Covebase	4" brown	Brown	2	201	22	sq. ft.		Throughout	3			
A30	Adhesive	associated with A29	Yellow	Multiple	13 Rooms	585	sq. ft.	3					4* base would be 1757 LF. One sample per < 200 sq ft.
A30	Adhesive	associated with A29	Yellow	1	101	22	sq. ft.		Throughout	3			
A30	Adhesive	associated with A29	Yellow	-	01 (stairwell)	9	sq. ft.		Throughout top landing (4th Floor)	3		21.5	
A30	Adhesive	associated with A29	Yellow	1	102 (Bike Storage)	16	sq. ft.		Throughout	3			
A30	Adhesive	associated wit A29	Yellow	1	03 (hall)	44	sq. ft.		Throughout	3			
A30	Adhesive	associated wit A29	Yellow	-	04 (stairwell)	52	sq. ft.	1	Throughout	3		48,52	
A30	Adhesive	associated with A29	Yellow	3	324	22	sq. ft.		Throughout	3		17	
A30	Adhesive	associated with A29	Yellow	3	7 Hallway	94	sq. ft.		Throughout	3		40	
A30	Adhesive	associated wit A29	Yellow	3	8 Stairwell	40	sq. ft.	1	Throughout	3		69	
A30	Adhesive	associated wit A29	Yellow	3	09 Stairwell	28	sq. ft.		Throughout	3		39	
A30	Adhesive	associated wit A29	Yellow	3	10 Hallway	182	sq. ft.	1	Throughout	3		22.8	
A30	Adhesive	associated with A39	Yellow	4	402	22	sq. ft.		Throughout	3			
A30	Adhesive	associated with A29	Yellow	4	411	32	sq. ft.		Throughout	3			
A30	Adhesive	associated with A29	Yellow	2	201	22	sq. ft.		Throughout	3			
A31	Stair Tread Material	raised horizontal lines, brown		Multiple	8 Rooms	2,267	sq. ft.	0					Only test mastic for PCBs at this time.
A31	Stair Tread Material	raised horizontal lines, brown		-	01 (stairwell)	561	sq. ft.		Throughout	37		21.5	
A31	Stair Tread Material	raised horizontal lines, brown		1	03 (hall)	30	sq. ft.		Throughout	37			
A31	Stair Tread Material	raised horizontal lines, brown		-	04 (stairwell)	380	sq. ft.		Throughout	37		48,52	
A31	Stair Tread Material	raised horizontal lines, brown		-	06 (stairwell)	280	sq. ft.		Throughout	37			
A31	Stair Tread Material	raised horizontal lines, brown		2	205C	16	sq. ft.		Throughout	37	170		

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A31	Stair Tread Material	raised horizontal lines, brown		3	8 Stairwell	420	sq. ft.		Throughout	37		69	
A31	Stair Tread Material	raised horizontal lines, brown		3	09 Stairwell	280	sq. ft.		Throughout	37		39	
A31	Stair Tread Material	raised horizontal lines, brown		3	Lobby (Auditorium Entry)	300	sq. ft.		Throughout Entry to Auditorium	37		40	
A32	Adhesive	associated with A31	White/Gray/Yellow	Multiple	8 Rooms	2,267	sq. ft.	3					
A32	Adhesive	associated with A31	White/Gray/Yellow	-	01 (stairwell)	561	sq. ft.		Throughout	37		21.5	
A32	Adhesive	associated with A31	White/Gray/Yellow	1	03 (hall)	30	sq. ft.		Throughout	37			
A32	Adhesive	associated with A31	White/Gray/Yellow	-	04 (stairwell)	380	sq. ft.	1	Throughout	37		48,52	
A32	Adhesive	associated with A31	White/Gray/Yellow	-	06 (stairwell)	280	sq. ft.		Throughout	37			
A32	Adhesive	associated with A31	White/Gray/Yellow	2	205C	16	sq. ft.	1	Throughout	37	170		
A32	Adhesive	associated with A31	White/Gray/Yellow	3	8 Stairwell	420	sq. ft.	1	Throughout	37		69	
A32	Adhesive	associated with A31	White/Gray/Yellow	3	09 Stairwell	280	sq. ft.		Throughout	37		39	
A32	Adhesive	associated with A31	White/Gray/Yellow	3	Lobby (Auditorium Entry)	300	sq. ft.	1	Throughout Entry to Auditorium	37		40	
A33	Window Caulking	Metal Casing to CMU	Gray/White	Multiple	14 Rooms		LF	0					Previosusly smapled (PCB A33A*)
A33	Window Caulking	Metal Casing to CMU	Gray/White	-	01 (stairwell)					12		21.5	
A33	Window Caulking	Metal casing to CMU	Gray/White	1	03 (hall)	-	-						
A33	Window Caulking	Metal casing to CMU	Gray/White	1	109	-	-						
A33	Window Caulking	Metal casing to CMU	Gray/White	1	111	-	-						
A33	Window Caulking	Metal casing to CMU	Gray/White	1	112	-	-						
A33	Window Caulking	Metal casing to CMU	Gray/White	1	113	-	-						
A33	Window Caulking	Metal casing to CMU	Gray/White	1	115/116	-	-						
A33	Window Caulking	Metal casing to CMU	Gray/White	1	118	-	-						
A33	Window Caulking	Metal casing to CMU	Gray/White	1	119	-	-						
A33	Window Caulking	Metal casing to CMU	Gray/White	2	202B Exercise Room	-	-				12		
A33	Window Caulking	CMU to Metal Casing	Gray/White	2	203	-	-				81		
A33	Window Caulking	CMU to Metal Casing	Gray/White	3	322								
A33	Window Caulking	CMU to Metal Casing	Gray/White	3	320B								
A33	Window Caulking	CMU to Metal Casing	Gray/White	3	Lobby							40	
A34	Window Caulking	Metal casing to metal sill	White	Multiple	14 Rooms		LF	0					Previosuly sampled (PCB A34A)
A34	Window Caulking	Metal casing to metal sill	White	-	01 (stairwell)					12		21.5	
A34	Window Caulking	Metal casing to metal sill	White	1	03 (hall)	-	-						
A34	Window Caulking	Metal casing to metal sill	White	1	109	-	-						
A34	Window Caulking	Metal casing to metal sill	White	1	111	-	-						
A34	Window Caulking	Metal casing to metal sill	White	1	112	-	-						
A34	Window Caulking	Metal casing to metal sill	White	1	113	-	-						
A34	Window Caulking	Metal casing to metal sill	White	1	115/116	-	-						
A34	Window Caulking	Metal casing to metal sill	White	1	118	-	-						
A34	Window Caulking	Metal casing to metal sill	White	1	119	-	-						
A34	Window Caulking	Metal casing to metal sill	White	2	202B Exercise Room	-	-				12		
A34	Window Caulking	Metal casing to metal sill	White	2	203	-	-				81		
A34	Window Caulking	Metal casing to metal sill	White	3	322								

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A34	Window Caulking	Metal casing to metal sill	White	3	320B								
A34	Window Caulking	Metal casing to metal sill	White	3	Lobby							40	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	Multiple	26 Rooms	11,574	sq. ft.	12					12 of 26 rooms to be samples. Approx 1 sample per 1,000 sq ft.
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	1	02 (hall)	202	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	1	104	257	sq. ft.	1	North section only	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	2	13 Hallway	52	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	2	14 Hallway	64	sq. ft.	1	Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	2	15 Hallway	78	sq. ft.	1	Throughout	22		48.8	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	320	1524	sq. ft.	1	Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	320D	61	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	7 Hallway	1089	sq. ft.	1	Throughout	22		40	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	09 Stairwell	200	sq. ft.	1	Throughout	22		39	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	10 Hallway	1557	sq. ft.	1	Throughout	22		22.8	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	Lobby	590	sq. ft.		Throughout	22		40	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	308F	38	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	308E	54	sq. ft.	1	Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	308	196	sq. ft.		Throughout	22		37	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	310	94	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	321	90	sq. ft.		Throughout	22		7.6	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	323	257	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	312J	54	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	312P	71	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	312 Cafeteria	2855	sq. ft.	1	Throughout	22		6.9	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	312 Cafeteria/ Snackbar Entry	325	sq. ft.	1	Throughout	22		5.8	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	4	414	180	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	4	414A	114	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	4	415	1125	sq. ft.	1	Throughout	22	22	17	
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	4	415A	218	sq. ft.		Throughout	22			
A35	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	4	416B	229	sq. ft.	1	Throughout	22			
A36	Suspended Ceiling Tile	2' x 2', dense fissures with pinholes	Gray/White	Multiple	8 Rooms	2,723	sq. ft.	3					3 of 8 rooms to be sampled. Approx. 1 sample per
A36	Suspended Ceiling Tile	2' x 2', dense fissures with pinholes	Gray/White	1	104	257	sq. ft.	1	North section only	23			
A36	Suspended Ceiling Tile	2' x 2' Dense fissures with pinholes	Gray/White	2	13 Hallway	52	sq. ft.		Throughout	23			
A36	Suspended Ceiling Tile	2' x 2' Dense fissures with pinholes	Gray/White	2	14 Hallway	64	sq. ft.		Throughout	23			
A36	Suspended Ceiling Tile	2' x 2' Dense fissures with pinholes	Gray/White	2	15 Hallway	78	sq. ft.	1	Throughout	23		48.8	
A36	Suspended Ceiling Tile	2' x 2' Dense fissures with pinholes	Gray/White	3	10 Hallway	1557	sq. ft.	1	Throughout	23		22.8	
A36	Suspended Ceiling Tile	2' x 2' Dense fissures with pinholes	Gray/White	3	Lobby	590	sq. ft.		Throughout	23		40	
A36	Suspended Ceiling Tile	2' x 2' Dense fissures with pinholes	Gray/White	3	312J	54	sq. ft.		Throughout	23			
A36	Suspended Ceiling Tile	2' x 2' Dense fissures with pinholes	Gray/White	3	312P	71	sq. ft.		Throughout	23			
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	Multiple	19 Rooms	3,598	sq. ft.	3					

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	1	108	122	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	1	05 (hall)	1056	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	1	103 Office	90	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	1	103E	76	sq. ft.		Throughout				
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	2	208C	205	sq. ft.	1	Throughout	264		6.9	
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	2	214A	36	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	2	218	48	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	2	13 Hallway	52	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	2	14 Hallway	64	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	2	15 Hallway	78	sq. ft.	1	Throughout	264		48.8	
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	3	318A	89	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	3	Lobby	590	sq. ft.		Throughout	264		40	
A37	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	3	325	125	sq. ft.		Throughout	264		15.9	
A37	Suspended Ceiling Tile	2' x 2' dense pinholes with fissures	Gray/White	3	316 storage	51	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' dense pinholes with fissures	Gray/White	3	316 locker room	57	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' dense pinholes with fissures	Gray/White	3	312F	231	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' dense pinholes with fissures	Gray/White	3	312 Cafeteria/ Snackbar Eater	325	sq. ft.	1	Throughout	264		5.8	
A37	Suspended Ceiling Tile	2' x 2' dense pinholes with fissures	Gray/White	4	406	80	sq. ft.		Throughout	264			
A37	Suspended Ceiling Tile	2' x 2' dense pinholes with fissures	Gray/White	4	406C	223	sq. ft.		Throughout	264			
A38	Suspended Ceiling Tile	2' x 2' acoustical fiberglass	Tan/White	2	2 Rooms	1,010	sq. ft.	3					
A38	Suspended Ceiling Tile	2' x 2' acoustical fiberglass	Tan/White	2	11 Hall	932	sq. ft.	2	Throughout	286		30.9	
A38	Suspended Ceiling Tile	2' x 2' acoustical fiberglass	Tan/White	2	15 Hallway	78	sq. ft.	1	Throughout	286		48.8	
A39	Covebase	4" black	Black	Multiple	39 Rooms	1,086	sq. ft.	0					4" base is 3,258 LF. Only test mastic for PCBs at this time.
A39	Covebase	4" black	Black	-	01 (stairwell)	10	sq. ft.		1st Floor Only	41/314		21.5	
A39	Covebase	4" black	Black	1	02 (hall)	26	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	1	104	64	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	1	105	10	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	1	106A	18	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	1	106	58	sq. ft.		Throughout	41/314	260		
A39	Covebase	4" black	Black	1	107	16	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	1	108	16	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	3	Lobby	56	sq. ft.		Throughout	41/314		40	
A39	Covebase	4" black	Black	1	112	15	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	1	113	15	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	1	115/116	20	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	1	118	14	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	1	119	14	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	1	05 (hall)	124	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	2	202	24	sq. ft.		Throughout	41/314			

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A39	Covebase	4" black	Black	2	12 Hallway	80	sq. ft.		Throughout	41/314		25	
A39	Covebase	4" black	Black	2	13 Hallway	28	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	2	14 Hallway	36	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	2	15 Hallway	34	sq. ft.		Throughout	41/314		48.8	
A39	Covebase	4" black	Black	3	7 Hallway	7	sq. ft.		Throughout	41/314		40	
A39	Covebase	4" black	Black	3	305	25	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	3	308B	14	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	3	308C	14	sq. ft.		Throughout	41/314		57	
A39	Covebase	4" black	Black	3	308E	10	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	3	310	6	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	3	321	13	sq. ft.		Throughout	41/314		7.6	
A39	Covebase	4" black	Black	3	323	28	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	3	316	5	sq. ft.		Southeast section only	41/314		15.7,33.6,18.7	
A39	Covebase	4" black	Black	3	312F	18	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	4	404 (suite)	58	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	4	407	40	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	4	406	14	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	4	406A	10	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	4	406B	20	sq. ft.		Throughout	41/314			
A39	Covebase	4" black	Black	4	408	12	sq. ft.			41/314			
A39	Covebase	4" black	Black	4	408A	22	sq. ft.			41/314			
A39	Covebase	4" black	Black	4	410	16	sq. ft.			41/314			
A39	Covebase	4" black	Black	4	17 Hallway	76	sq. ft.			41/314			
A40	Adhesive	associated with A39		Multiple	39 Rooms	1,086	sq. ft.	3					4" base is 3,258 LF
A40	Adhesive	associated with A39		-	01 (stairwell)	10	sq. ft.	1	1st Floor Only	41/314		21.5	
A40	Adhesive	associated with A39		1	02 (hall)	26	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	104	64	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	105	10	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	106A	18	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	106	58	sq. ft.	1	Throughout	41/314	260		
A40	Adhesive	associated with A39		1	107	16	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	108	16	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	112	15	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	113	15	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	115/116	20	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	118	14	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	119	14	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		1	05 (hall)	124	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		2	202	24	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		2	12 Hallway	80	sq. ft.		Throughout	41/314		25	

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A40	Adhesive	associated with A39		2	13 Hallway	28	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		2	14 Hallway	36	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		2	15 Hallway	34	sq. ft.		Throughout	41/314		48.8	
A40	Adhesive	associated with A39		3	7 Hallway	7	sq. ft.		Throughout	41/314		40	
A40	Adhesive	associated with A39		3	305	25	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		3	Lobby	56	sq. ft.		Throughout	41/314		40	
A40	Adhesive	associated with A39		3	308B	14	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		3	308C	14	sq. ft.	1	Throughout	41/314		57	
A40	Adhesive	associated with A39		3	308E	10	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		3	310	6	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		3	321	13	sq. ft.		Throughout	41/314		7.6	
A40	Adhesive	associated with A39		3	323	28	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		3	316	5	sq. ft.		Southeast section only	41/314		15.7,33.6,18.7	
A40	Adhesive	associated with A39		3	312F	18	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		4	404 (suite)	58	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		4	407	40	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		4	406	14	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		4	406A	10	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		4	406B	20	sq. ft.		Throughout	41/314			
A40	Adhesive	associated with A39		4	408	12	sq. ft.			41/314			
A40	Adhesive	associated with A39		4	408A	22	sq. ft.			41/314			
A40	Adhesive	associated with A39		4	410	16	sq. ft.			41/314			
A40	Adhesive	associated with A39		4	17 Hallway	76	sq. ft.			41/314			
A41	Vinyl Floor Tile	12" x 12" white with blue streaks	White	1	6 Rooms	1870	sq. ft.	0					
A41	Vinyl Floor Tile	12" x 12" white with blue streaks	White	1	112	121	sq. ft.		Throughout	54/61			
A41	Vinyl Floor Tile	12" x 12" white with blue streaks	White	1	113	130	sq. ft.		Throughout	54/61			
A41	Vinyl Floor Tile	12" x 12" white with blue streaks	White	1	115/116	328	sq. ft.		Throughout	54/61			
A41	Vinyl Floor Tile	12" x 12" white with blue streaks	White	1	118	117	sq. ft.		Throughout	54/61			
A41	Vinyl Floor Tile	12" x 12" white with blue streaks	White	1	119	118	sq. ft.		Throughout	54/61			
A41	Vinyl Floor Tile	12" x 12" white with blue streaks	White	1	05 (hall)	1056	sq. ft.		Throughout	54/61			
A42	Vinyl Floor Tile	12" x 12" shades of blue	Blue	1	1 Rooms	1056	sq. ft.	0					Only test mastic for PCBs at this time.
A42	Vinyl Floor Tile	12" x 12" shades of blue	Blue	1	05 (hall)	1056	sq. ft.		Throughout	54/61			
A43	Mastic	associated with A41	Black/Beige/Yellow	1	6 Rooms	1870	sq. ft.	3					*
A43	Mastic	associated with A41	Black/Beige/Yellow	1	112	121	sq. ft.	1	Throughout	54/61			
A43	Mastic	associated with A41	Black/Beige/Yellow	1	113	130	sq. ft.		Throughout	54/61			
A43	Mastic	associated with A41	Black/Beige/Yellow	1	115/116	328	sq. ft.		Throughout	54/61			
A43	Mastic	associated with A41	Black/Beige/Yellow	1	118	117	sq. ft.	1	Throughout	54/61			
A43	Mastic	associated with A41	Black/Beige/Yellow	1	119	118	sq. ft.		Throughout	54/61			
A43	Mastic	associated with A41 and A42	Black/Beige/Yellow	1	05 (hall)	1056	sq. ft.	1	Throughout	54/61			
A44	Glue Daubs	associated with A48		Multiple	5 Rooms	10104	sq. ft.	5					

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A44	Glue Daubs	associated with A48		1	104	2233	sq. ft.	1	Throughout	16			
A44	Glue Daubs	associated with A48		1	106A	154	sq. ft.		Throughout	16			
A44	Glue Daubs	associated with A48		1	106	730	sq. ft.	1	Throughout	16	260		
A44	Glue Daubs	Associated with A48		-	06 (stairwell)	200	sq. ft.	1	2nd floor	16			
A44	Glue Daubs	associated with A48		3	Auditorium	6787	sq. ft.	2	Throughout	16	17	20	
A45/45.1	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	Multiple	37 Rooms	14355	sq. ft.	0					Not mastic
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	1	109	302	sq. ft.		Throughout	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	1	110	16	sq. ft.		South wall	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	1	111	302	sq. ft.		Throughout	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	1	05 (hall)	15	sq. ft.		water fountain	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	1	103D	225	sq. ft.		Shower Stalls	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	203	36	sq. ft.		East wall	49/51/274	81		
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	206B	608	sq. ft.		Showers	49/51/274		10	
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	208E	940	sq. ft.		Showers	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	208F	915	sq. ft.		Showers and Bathroom Areas	49/51/274		11	
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	210A	262	sq. ft.		Throughout	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	214A	244	sq. ft.		Shower Area	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	218A	186	sq. ft.		Shower Area	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	224	2205	sq. ft.		Shower and Bathroom Areas	49/51/274	14	19	
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	222	16	sq. ft.		Shower Area	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	Nordic Ski Room	630	sq. ft.		Throughout	49/51/274		17	
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	322	30	sq. ft.		At entrance, north wall	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	320	30	sq. ft.		southeast corner	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	318	30	sq. ft.		east wall	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	7 Hallway	16	sq. ft.		at water fountain	49/51/274		40	
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	311	60	sq. ft.		at east and west walls	49/51/274	1.1		
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	315	16	sq. ft.			49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	304B	144	sq. ft.		throughout	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	304D	144	sq. ft.		throughout	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	317	896	sq. ft.		assumed under newer ceramic wall tile	49/51/274		6.5	
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	319	688	sq. ft.		assumed under newer ceramic wall tile	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	321A	232	sq. ft.		throughout	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	316	1207	sq. ft.		throughout	49/51/274		15.7,33.6,18.7	
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312F	432	sq. ft.		throughout	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312	2124	sq. ft.		throughout	49/51/274	12	5.8	
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312L	198	sq. ft.		throughout	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312N	270	sq. ft.		throughout	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312M	612	sq. ft.		throughout	49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312R	16	sq. ft.			49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312 Cafeteria Snackbar/ Eatery/Hall	260	sq. ft.		east wall at Snack Bar	49/51/274		5.8	

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	4	407	16	sq. ft.			49/51/274			
A45	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	4	409	16	sq. ft.		south wall	49/51/274			
A45.1	Grout	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312	16	sq. ft.		south section	49/51/274	12	5.8	
A46/46.1	Adhesive (noted previously as Mortar)	associated with 4" ceramic wall tile, yellow/gray/blue	Gray	Multiple	37 Rooms	14355	sq. ft.	7					*
A46	Adhesive (noted previously as Mortar)	associated with 4" ceramic wall tile, yellow/gray/blue	Gray	1	109	302	sq. ft.		Throughout	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with 4" ceramic wall tile, yellow/gray/blue	Gray	1	110	16	sq. ft.		South Wall	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with 4" ceramic wall tile, yellow/gray/blue	Gray	1	111	302	sq. ft.	1	Throughout	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	1	05 (hall)	15	sq. ft.		water fountain	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with 4" ceramic wall tile, yellow/gray/blue	Gray	1	103D	225	sq. ft.		Shower Stalls	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	2	203	36	sq. ft.	1	East wall	49/51/274	81		
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	2	206B	608	sq. ft.		Showers	49/51/274		10	
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	2	208E	940	sq. ft.		Showers	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	2	208F	915	sq. ft.	1	Showers and Bathroom Areas	49/51/274		11	
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	2	210A	262	sq. ft.		Throughout	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	2	214A	244	sq. ft.		Shower Area	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	2	218A	186	sq. ft.		Shower Area	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	2	224	2205	sq. ft.	1	Shower and Bathroom Areas	49/51/274	14	19	
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	2	222	16	sq. ft.		Shower Area	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	2	Nordic Ski Room	630	sq. ft.		Throughout	49/51/274		17	
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	322	30	sq. ft.		At entrance, north wall	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	320	30	sq. ft.		southeast corner	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	318	30	sq. ft.		east wall	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	7 Hallway	16	sq. ft.		at water fountain	49/51/274		40	
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	311	60	sq. ft.	1	at east and west walls	49/51/274	1.1		
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	315	16	sq. ft.			49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	304B	144	sq. ft.		throughout	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	304D	144	sq. ft.		throughout	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	317	896	sq. ft.		assumed under newer ceramic wall tile	49/51/274		6.5	
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	319	688	sq. ft.		assumed under newer ceramic wall tile	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	321A	232	sq. ft.		throughout	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	316	1207	sq. ft.		throughout	49/51/274		15.7,33.6,18.7	
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	312F	432	sq. ft.		throughout	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	312	2124	sq. ft.	1	throughout	49/51/274	12	5.8	
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	312L	198	sq. ft.		throughout	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	312N	270	sq. ft.		throughout	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	312M	612	sq. ft.		throughout	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	312R	16	sq. ft.			49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	3	312 Cafeteria Snackbar/ Entry/Hall	260	sq. ft.	1	east wall at Snack Bar	49/51/274		5.8	

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A46	Adhesive (noted previously as Mortar)	associated with	Gray	4	407	16	sq. ft.		south wall	49/51/274			
A46	Adhesive (noted previously as Mortar)	associated with A45	Gray	4	409	16	sq. ft.			49/51/274			
A46.1	Adhesive (noted previously as Mortar)	associated with A45.1	Gray	3	312	16	sq. ft.		south section	49/51/274	12	5.8	
A47	Door Caulking	Metal casing to CMU	Beige	Multiple	3 Rooms		LF	0					PS – PCB A47 A,B
A47	Door Caulking	Metal casing to CMU	Beige	1	104	-	-						
A47	Door Caulking	Metal casing to CMU	Beige	1	107	-	-						
A47	Door Caulking	Metal casing to wall	Beige	3	Auditorium						17	20	
A48	Ceiling Tile	1'x 1' dense fissures	Gray/White	Multiple	10 Rooms	10918	sq. ft.	10					
A48	Ceiling Tile	1'x 1' dense fissures	Gray/White	1	104	2233	sq. ft.	1	Throughout	16			
A48	Ceiling Tile	1' x 1' dense fissures	Gray/White	1	106A	154	sq. ft.		Throughout	16			
A48	Ceiling Tile	1' x 1' dense fissures	Gray/White	1	106	730	sq. ft.	1	Throughout	16	260		
A48	Ceiling Tile	1' x 1' dense fissures	Gray/White	1	112	121	sq. ft.	1	Throughout	16			
A48	Ceiling Tile	1' x 1' dense fissures	Gray/White	1	113	130	sq. ft.	1	Throughout	16			
A48	Ceiling Tile	1' x 1' dense fissures	Gray/White	1	115/116	328	sq. ft.	1	Throughout	16			
A48	Ceiling Tile	1' x 1' dense fissures	Gray/White	1	118	117	sq. ft.	1	Throughout	59			
A48	Ceiling Tile	1' x 1' dense fissures	Gray/White	1	119	118	sq. ft.	1	Throughout	59			
A48	Ceiling Tile	1' x 1' dense fissures	Gray/White	-	06 (stairwell)	200	sq. ft.	1	2nd floor	16			
A48	Ceiling Tile	1' x 1' dense fissures	Gray/White	3	Auditorium	6787	sq. ft.	2	Throughout	16	17	20	
A49	Adhesive	associated with pressed board (peg board)		Multiple	6 Rooms	626	sq. ft.	3					Assumed asbestos not sampled
A49	Adhesive	associated with pressed board (peg board)		1	106	10	sq. ft.	1	East wall	57	260		
A49	Adhesive	associated with pressed board (peg board)		1	115/116	208	sq. ft.		East and West walls	57			
A49	Adhesive	associated with pressed board (peg board)		1	118	102	sq. ft.		West Wall	57			
A49	Adhesive	associated with pressed board (peg board)		1	119	102	sq. ft.		West Wall	57			
A49	Adhesive	associated with pressed board (peg board)		1	103 Tool Storage	144	sq. ft.	1	north wall	57			
A49	Adhesive	associated with pressed board (peg board)		2	203C	60	sq. ft.	1	west wall	57			
A50	Concrete Patching	associated with Crrugated Roof Decking		1	3 Rooms		sq. ft.	0					Assumed asbestos not sampled
A50	Concrete Patching	associated with Crrugated Roof Decking		1	107	-	-						
A50	Concrete Patching	associated with Crrugated Roof Decking		1	108	-	-						
A50	Concrete Patching	associated with Corrugated Metal Roof Deck		1	110	-	-						
A51	Grout	associated with 1" ceramic floor tile gray with white specks and	Gray	Multiple	14 Rooms	2370	sq. ft.	0					Not mastic
A51	Grout	1" ceramic floor tile gray with white specks and green with	Gray	1	109	105	sq. ft.		Throughout	46/253/ 274			
A51	Grout	1" ceramic floor tile gray with white specks and green with	Gray	1	111	105	sq. ft.		Throughout	46/253/ 274			
A51	Grout	1" ceramic floor tile gray with white specks and green with	Gray	2	206B	165	sq. ft.		Showers	46/253/ 274		10	
A51	Grout	1" ceramic floor tile gray with white specks and green with	Gray	2	208B	66	sq. ft.		South section only	46/253/ 274			
A51	Grout	1" ceramic floor tile gray with white specks and green with	Gray	2	208E	352	sq. ft.		Showers	46/253/ 274			
A51	Grout	1" ceramic floor tile gray with white specks and green with	Gray	2	208F	482	sq. ft.		Showers and Bathroom Areas	46/253/ 274		11	
A51	Grout	1" ceramic floor tile gray with white specks and green with	Gray	2	210A	62	sq. ft.		Throughout	46/253/ 274			
A51	Grout	1" ceramic floor tile gray with white specks and green with	Gray	2	214A	42	sq. ft.		Shower Area	46/253/ 274			
A51	Grout	1" ceramic floor tile gray with white specks and green with	Gray	2	218A	39	sq. ft.		Shower Area	46/253/ 274			
A51	Grout	1" ceramic floor tile gray with white specks and green with	Gray	2	224	377	sq. ft.		Bathroom Area	46/253/ 274	14	19	

Building A - Proposed Bulk Material Sampling Summary

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A51	Grout	1" ceramic floor tile gray with white specks and green with associated with	Gray	2	Nordic Ski Room	198	sq. ft.		Shower Area	46/253/274		17	
A51	Grout	1" ceramic floor tile gray with white specks and green with associated with	Gray	3	317	190	sq. ft.		Throughout (assumed under newer ceramic floor tile)	46/253/274		6.5	
A51	Grout	1" ceramic floor tile gray with white specks and green with associated with	Gray	3	319	138	sq. ft.		Throughout (assumed under newer ceramic floor tile)	46/253/274			
A51	Grout	1" ceramic floor tile gray with white specks and green with associated with	Gray	3	321A	49	sq. ft.		throughout	46/253/274			
A52	Adhesive	associated with A51	Gray	Multiple	14 Rooms	2370	sq. ft.	3					
A52	Adhesive	associated with A51	Gray	1	109	105	sq. ft.	1	Throughout	46/253/274			
A52	Adhesive	associated with A51	Gray	1	111	105	sq. ft.		Throughout	46/253/274			
A52	Adhesive	associated with A51	Gray	2	206B	165	sq. ft.		Showers	46/253/274		10	
A52	Adhesive	associated with A51	Gray	2	208B	66	sq. ft.		South section only	46/253/274			
A52	Adhesive	associated with A51	Gray	2	208E	352	sq. ft.		Showers	46/253/274			
A52	Adhesive	associated with A51	Gray	2	208F	482	sq. ft.		Showers and Bathroom Areas	46/253/274		11	
A52	Adhesive	associated with A51	Gray	2	210A	62	sq. ft.		Throughout	46/253/274			
A52	Adhesive	associated with A51	Gray	2	214A	42	sq. ft.		Shower Area	46/253/274			
A52	Adhesive	associated with A51	Gray	2	218A	39	sq. ft.		Shower Area	46/253/274			
A52	Adhesive	associated with A51	Gray	2	224	377	sq. ft.	1	Bathroom Area	46/253/274	14	19	
A52	Adhesive	associated with A51	Gray	2	Nordic Ski Room	198	sq. ft.		Shower Area	46/253/274		17	
A52	Adhesive	associated with A51	Gray	3	317	190	sq. ft.	1	Throughout (assumed under newer ceramic floor tile)	46/253/274		6.5	
A52	Adhesive	associated with A51	Gray	3	319	138	sq. ft.		Throughout (assumed under newer ceramic floor tile)	46/253/274			
A52	Adhesive	associated with A51	Gray	3	321A	49	sq. ft.		throughout	46/253/274			
A54	Grout	associated with ceramic floor tile 6" tan quarry tile	Gray	3	1 Room		sq. ft.	0					Not mastic
A54	Grout	associated with ceramic floor tile 6" tan quarry tile	Gray	3	Bistro								
A55	Adhesive	associated with A54	White	3	1 Room		sq. ft.	3					Not mastic
A55	Adhesive	associated with A54	White	3	Bistro			3					
A56	Adhesive	associated with Mirrors		Multiple	18 Rooms	91	sq. ft.	3					Assumed asbestos not sampled
A56	Adhesive	associated with Mirrors		1	109	6	sq. ft.	1	East Wall	48/277			
A56	Adhesive	associated with Mirrors		1	111	6	sq. ft.		West Wall	48/277			
A56	Adhesive	associated with Mirrors		2	224	6	sq. ft.	1		48/277	14	19	
A56	Adhesive	associated with Mirrors		2	206B	6	sq. ft.			48/277		10	
A56	Adhesive	associated with Mirrors		2	210A	3	sq. ft.			48/277			
A56	Adhesive	associated with Mirrors		2	218A	3	sq. ft.			48/277			
A56	Adhesive	associated with Mirrors		2	202B	16	sq. ft.			48/277			
A56	Adhesive	associated with Mirrors		3	312L	3	sq. ft.			48/277			
A56	Adhesive	associated with Mirrors		3	312N	3	sq. ft.			48/277			
A56	Adhesive	associated with Mirrors		3	304B	3	sq. ft.			48/277			
A56	Adhesive	associated with Mirrors		3	304D	3	sq. ft.			48/277			
A56	Adhesive	associated with Mirrors		3	317	6	sq. ft.		north wall	48/277		6.5	
A56	Adhesive	associated with Mirrors		3	319	6	sq. ft.		north wall	48/277			
A56	Adhesive	associated with Mirrors		3	321A	3	sq. ft.			48/277			
A56	Adhesive	associated with Mirrors		2	208E	3	sq. ft.			48/277			
A56	Adhesive	associated with Mirrors		2	208F	3	sq. ft.			48/277		11	

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A56	Adhesive	associated with Mirrors		2	224	12	sq. ft.	1		48/277	14	19	
A58	Fire Stop Caulk	-	Red	Multiple	2 Rooms		sq. ft.	0					Post 1980 installation
A58	Fire Stop Caulk	-	Red	1	102 (Bike Storage)	-	-						
A58	Fire Stop Caulk	-	Red	2	205B Area Inaccessible	-	-						
A59	Vinyl Floor Tile	9" x 9" gray with white steaks		Multiple	5 Rooms	3111	sq. ft.	0					Only test mastic *
A59	Vinyl Floor Tile	9" x 9" gray with white steaks		1	105	48	sq. ft.		Throughout	26			
A59	Vinyl Floor Tile	9" x 9" gray with white steaks		1	106A	154	sq. ft.		Throughout	26			
A59	Vinyl Floor Tile	9" x 9" gray with white steaks		1	107	150	sq. ft.		Throughout	26			
A59	Vinyl Floor Tile	9" x 9" gray with white steaks		1	108	127	sq. ft.		Throughout	26			
A59	Vinyl Floor Tile	9" x 9" gray with white steaks		3	Auditorium	2632	sq. ft.		throughout (under carpet)	26	17	20	
A60	Mastic	associated with A59		Multiple	5 Rooms	3111	sq. ft.	3					
A60	Mastic	associated with A59		1	105	48	sq. ft.	1	Throughout	26			
A60	Mastic	associated with A59		1	106A	154	sq. ft.		Throughout	26			
A60	Mastic	associated with A59		1	107	150	sq. ft.	1	Throughout	26			
A60	Mastic	associated with A59		1	108	127	sq. ft.		Throughout	26			
A60	Mastic	associated with A59		3	Auditorium	2632	sq. ft.	1	throughout (under carpet)	26	17	20	
A61	Paint	Gypsum Wall Board		Multiple	2 Rooms		sq. ft.	TBD					
A61	Paint	Gypsum Wall Board		1	104	-	-						
A61	Gypsum Wall Board	-		3	Auditorium						17	20	
A67	Vinyl Floor Tile	12" x 12", white with black and gray streaks	Gray	1	1 Room	514	sq. ft.	0					Only test mastic *
A67	Vinyl Floor Tile	12" x 12", white with black and gray streaks	Gray	1	104	514	sq. ft.		North section only	19			
A68	Mastic	associated with A67	Black	1	1 Room	514	sq. ft.	2					*
A68	Mastic	associated with A67	Black	1	104	514	sq. ft.	2	North section only	19			
A70	Mastic	associate with grey carpet squares	Yellow	3	1 Room	500	sq. ft.	2					
A70	Mastic	associate with grey carpet squares	Yellow	3	Lobby	500	sq. ft.	2	East Section, At Main Entrance	101		40	
A71	Caulking	associated with stair stringer (metal to CMU)		Multiple	3 Rooms	302	LF	0					PS – PCB A71A, B*
A71	Caulking	associated with stair stringer (metal to CMU)		-	01 (stairwell)	180	lnft			86		21.5	
A71	Caulking	associated with stair stringer (metal to CMU)		-	04 (stairwell)	122	lnft		Throughout	86		48,52	
A71	Caulking	associated with stair stringer (metal to CMU)		3	8 Stairwell					86		69	
A75	Suspended Ceiling Tile	2' x 4' Deep Length Fissures	Gray/White	Multiple	4 Rooms	560	sq. ft.	3					
A75	Suspended Ceiling Tile	2' x 4' Deep Length Fissures	Gray/White	1	101	140	sq. ft.		Throughout	2			
A75	Suspended Ceiling Tile	2' x 4' Deep Length Fissures	Gray/White	3	324	140	sq. ft.	1	Throughout	2		17	
A75	Suspended Ceiling Tile	2' x 4' Deep Length Fissures	Gray/White	4	402	140	sq. ft.	1	Throughout	2			
A75	Suspended Ceiling Tile	2' x 4' Deep Length Fissures	Gray/White	2	201	140	sq. ft.	1	Throughout	2			
A81	Sink Undercoating	gray	Gray	1	1 Room	9	sq. ft.	1					
A81	Sink Undercoating	gray	Gray	1	103D	9	sq. ft.	1	at west wall	-			
A82	Adhesive	associated with vinyl sheet paneling	Tan	1	1 Room	720	sq. ft.	2					
A82	Adhesive	associated with vinyl sheet paneling	Tan	1	103 Paint Room	720	sq. ft.	2	Throughout	352			
A83	Duct Seam Sealant	Metal Ductwork	Gray	1	1 Room		sq. ft.	2					
A83	Duct Seam Sealant	Metal Ductwork	Gray	1	103	-	-	2	Throughout	NS	38		

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A90	Adhesive	associated with lockers		1	9 Rooms		sq. ft.	3					Assumed asbestos not sampled
-	Adhesive	associated with lockers		1	103D	-	-		south wall	349			
A90	Adhesive	associated with lockers		2	11 Hall	-	-	1	east wall	268/285		30.9	
A90	Adhesive	associated with lockers		2	206B	-	-			268/285		10	
A90	Adhesive	associated with lockers		2	208D	-	-			268/285			
A90	Adhesive	associated with lockers		2	208E	-	-			268/285			
A90	Adhesive	associated with lockers		2	208F	-	-	1		268/285		11	
A90	Adhesive	associated with lockers		2	Nordic Ski Room	-	-	1		268/285		17	
A90	Adhesive	associated with lockers		4	17 Hallway	-	-			268/285			
A90	Adhesive	associated with lockers		2	210	-	-			268/285			
A91	Duct Seam Sealant	Metal Ductwork	Gray	Multiple	11 Rooms	54	sq. ft.	3					
A91	Duct Seam Sealant	Metal Ductwork	Gray	2	206B	3	sq. ft.			254		10	
A91	Duct Seam Sealant	Metal Ductwork	Gray	2	208D	3	sq. ft.			254			
A91	Duct Seam Sealant	Metal Ductwork	Gray	2	208E	3	sq. ft.			254			
A91	Duct Seam Sealant	Metal Ductwork	Gray	2	208F	9	sq. ft.	1		254		11	
A91	Duct Seam Sealant	Metal Ductwork	Gray	2	222	3	sq. ft.			254			
A91	Duct Seam Sealant	Metal Ductwork	Gray	2	12 Hallway	9	sq. ft.	1		254		25	
A91	Duct Seam Sealant	Metal Ductwork	Gray	2	16 Hallway	3	sq. ft.			254			
A91	Duct Seam Sealant	Metal Ductwork	Gray	2	Nordic Ski Room	3	sq. ft.	1		254		17	
A91	Duct Seam Sealant	Metal Ductwork	Gray	3	320C	3	sq. ft.			254			
A91	Duct Seam Sealant	Metal Ductwork	Gray	3	Mezzanine	12	sq. ft.			254			
A91	Duct Seam Sealant	Metal Ductwork	Gray	3	312H	3	sq. ft.			165			
A92	Vinyl Floor Tile	9" x 9" gray with black streaks		Multiple	11 Rooms	10889	sq. ft.	0					Only test mastic *
A92	Vinyl Floor Tile	9" x 9" gray with black streaks		-	06 (stairwell)	60	sq. ft.		2nd floor	175			
A92	Vinyl Floor Tile	9" x 9", light gray with black and white streaks		2	202	230	sq. ft.		Throughout	175			
A92	Vinyl Floor Tile	9" x 9", light gray with black and white streaks		2	202B Exercise Room	4694	sq. ft.		Throughout	175	12		
A92	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		2	206 (Entry)	20	sq. ft.		Throughout	175			
A92	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		2	206 A	192	sq. ft.			175			
A92	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		2	15 Hallway	393	sq. ft.			175		48.8	
A92	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		3	312Q	80	sq. ft.			175			
A92	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		3	312 Cafeteria	4736	sq. ft.			175		6.9	
A92	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		4	408	101	sq. ft.			175			
A92	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		4	408A	232	sq. ft.			175			
A92	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		4	410	151	sq. ft.			175			
A93	Mastic	associated with A92		Multiple	11 Rooms	10889	sq. ft.	12					
A93	Mastic	associated with A92		-	06 (stairwell)	60	sq. ft.	1	2nd floor	175			
A93	Mastic	associated with A92		2	202	230	sq. ft.	1	Throughout	175			
A93	Mastic	associated with A92		2	202B Exercise Room	4694	sq. ft.	2	Throughout	175	12		
A93	Mastic	associated with A92		2	206 (Entry)	20	sq. ft.	1		175			
A93	Mastic	associated with A92		2	206 A	192	sq. ft.	1		175			

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A93	Mastic	associated with A92		2	15 Hallway	393	sq. ft.	1		175		48.8	
A93	Mastic	associated with A92		3	312Q	80	sq. ft.	1		175			
A93	Mastic	associated with A92		3	312 Cafeteria	4736	sq. ft.	1		175		6.9	
A93	Mastic	associated with A92		4	408	101	sq. ft.	1		175			
A93	Mastic	associated with A92		4	408A	232	sq. ft.	1		175			
A93	Mastic	associated with A92		4	410	151	sq. ft.	1		175			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	Multiple	29 Rooms	10123	sq. ft.	15					
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	-	01 (stairwell)	209	sq. ft.	1	Throughout top landing (4th Floor)	113		21.5	
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	-	04 (stairwell)	288	sq. ft.	1	Throughout top landing	113		48,52	
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	2	203B	69	sq. ft.		Throughout	113			
A94	Suspended Ceiling Tile	2' x 2' Dense deep fissures	Gray/White	2	214	89	sq. ft.	1	Throughout	113			
A94	Suspended Ceiling Tile	2' x 2' Dense deep fissures	Gray/White	2	214A	36	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Dense deep fissures	Gray/White	2	218	48	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Dense deep fissures	Gray/White	2	15 Hallway	78	sq. ft.	1		113		48.8	
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	8 Stairwell	1089	sq. ft.	1		113		69	
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	09 Stairwell	200	sq. ft.	1		113		39	
A94	Suspended Ceiling Tile	2' x 2' Dense deep fissures	Gray/White	3	Lobby	590	sq. ft.	1		113		40	
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	302	170	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	304	500	sq. ft.	1		113	24	54	
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	304A	97	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	304E	51	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	304F	165	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	306	135	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	308F	38	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	308A	104	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	308B	104	sq. ft.	1		113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	308C	104	sq. ft.	1		113		57	
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	308D	93	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	308	196	sq. ft.			113		37	
A94	Suspended Ceiling Tile	2' x 2' Dense deep fissures	Gray/White	3	325	125	sq. ft.	1		113		15.9	
A94	Suspended Ceiling Tile	2' x 2' Dense deep fissures	Gray/White	3	314	691	sq. ft.	1		113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	312 Cafeteria	2855	sq. ft.	1		113		6.9	
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	Cafeteria/ Snackbar	325	sq. ft.			113		5.8	
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	4	406A	74	sq. ft.			113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	4	410	151	sq. ft.	1		113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	4	17 Hallway	928	sq. ft.	1		113			
A94	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	4	411	521	sq. ft.	1		113			
A95	Silver Coating	associated with hood rivets	Silver	2	1 Room	60	sq. ft.	2					
A95	Silver Coating	associated with hood rivets	Silver	2	203A	60	sq. ft.	2	North wall	292			
A96	Vinyl Floor Tile	12" x 12" dark blue with light blue	Blue	2	1 Room	205	sq. ft.	0					Only test mastic.

Building A - Proposed Bulk Material Sampling Summary

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A96	Vinyl Floor Tile	12" x 12" dark blue with light blue	Blue	2	208C	205	sq. ft.		Throughout	265		6.9	
A97	Mastic	associated with A96	Brown/Yellow	2	1 Room	205	sq. ft.	2					
A97	Mastic	associated with A96	Brown/Yellow	2	208C	205	sq. ft.	2	Throughout	265		6.9	
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	Multiple	12 Rooms	2080	sq. ft.	0					Only test mastic.
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	2	218	97	sq. ft.			116			
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	2	218A	76	sq. ft.			116			
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	3	302	370	sq. ft.			116			
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	3	304	500	sq. ft.			116	24	54	
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	3	304A	97	sq. ft.			116			
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	3	304E	51	sq. ft.			116			
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	3	304F	165	sq. ft.			116			
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	3	306	135	sq. ft.			116			
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	3	308F	76	sq. ft.			116			
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	3	308A	104	sq. ft.			116			
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	3	308D	93	sq. ft.			116			
A99	Vinyl Floor Tile	12" x 12" white with blue and purple	White	3	308	316	sq. ft.			116		37	
A100	Mastic	Mastic Adhesive associated with A99 floor tile	Yellow	Multiple	12 Rooms	2080	sq. ft.	3					
A100	Mastic	associated with A99	Yellow	2	218	97	sq. ft.	1		116			
A100	Mastic	associated with A99	Yellow	2	218A	76	sq. ft.			116			
A100	Mastic	associated with A99	Yellow	3	302	370	sq. ft.	1		116			
A100	Mastic	associated with A99	Yellow	3	304	500	sq. ft.	1		116	24	54	
A100	Mastic	associated with A99	Yellow	3	304A	97	sq. ft.			116			
A100	Mastic	associated with A99	Yellow	3	304E	51	sq. ft.			116			
A100	Mastic	associated with A99	Yellow	3	304F	165	sq. ft.			116			
A100	Mastic	associated with A99	Yellow	3	306	135	sq. ft.			116			
A100	Mastic	associated with A99	Yellow	3	308F	76	sq. ft.			116			
A100	Mastic	associated with A99	Yellow	3	308A	104	sq. ft.			116			
A100	Mastic	associated with A99	Yellow	3	308D	93	sq. ft.			116			Assumed asbestos
A100	Mastic	associated with A99	Yellow	3	308	316	sq. ft.			116		37	Not mastic
A101	Adhesive	associated with Bulletin Board/Chalkboard/Blackboards		Multiple	5 Rooms		sq. ft.	3					
A101	Adhesive	associated with Bulletin Board/Chalkboard/Blackboards		2	205F	-	-	1	South wall	130/213/219			
A101	Adhesive	associated with Bulletin board/ chalkboard/blackboard		2	208B	-	-			130/213/219			
A101	Adhesive	associated with Bulletin board/ chalkboard/blackboard		2	208D	-	-		west wall	130/213/219			
A101	Adhesive	associated with Bulletin Board/chalkboard/blackboard		3	304	-	-	1		130/213/219	24	54	
A101	Adhesive	associated with Bulletin Board/chalkboard/blackboard		3	306	-	-	1		130/213/219			
A104	Carpet Mastic	with rolled carpet, blue	Yellow	2	2 Rooms		sq. ft.	3					
A104	Carpet Mastic	with rolled carpet, blue	Yellow	2	205E	0	sq. ft.	1	removed	-			
A104	Carpet Mastic	with rolled carpet, blue	Yellow	2	205F	0	sq. ft.	2	removed	-			
A108	Vinyl Floor Tile	9" x 9" red with white streaks		Multiple	10 Rooms	4590	sq. ft.	0					Only test mastic. *.
A108	Vinyl Floor Tile	9" x 9" red with white streaks		2	14 Hallway	204	sq. ft.			200			

Building A - Proposed Bulk Material Sampling Summary

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A108	Vinyl Floor Tile	9" x 9" red with white streaks		4	404 (suite)	1383	sq. ft.			200			
A108	Vinyl Floor Tile	9" x 9" red with white streaks		4	407	885	sq. ft.			200			
A108	Vinyl Floor Tile	9" x 9" red with white streaks		4	406	80	sq. ft.			200			
A108	Vinyl Floor Tile	9" x 9" red with white streaks		4	406A	74	sq. ft.			200			
A108	Vinyl Floor Tile	9" x 9" red with white streaks		4	406B	324	sq. ft.			200			
A108	Vinyl Floor Tile	9" x 9" red with white streaks		4	406C	223	sq. ft.			200			
A108	Vinyl Floor Tile	9" x 9" red with white streaks		4	416B	229	sq. ft.			200			
A108	Vinyl Floor Tile	9" x 9" red with white streaks		4	17 Hallway	928	sq. ft.			200			
A108	Vinyl Floor Tile	9" x 9" red with white streaks		4	413	260	sq. ft.		under carpet	200			
A109	Mastic	associated with A108	Black	Multiple	10 Rooms	4590	sq. ft.	5					
A109	Mastic	associated with A108	Black	2	14 Hallway	204	sq. ft.	1		200			
A109	Mastic	associated with A108	Black	4	404 (suite)	1383	sq. ft.	1		200			
A109	Mastic	associated with A108	Black	4	407	885	sq. ft.	1		200			
A109	Mastic	associated with A108	Black	4	406	80	sq. ft.			200			
A109	Mastic	associated with A108	Black	4	406A	74	sq. ft.			200			
A109	Mastic	associated with A108	Black	4	406B	324	sq. ft.			200			
A109	Mastic	associated with A108	Black	4	406C	223	sq. ft.			200			
A109	Mastic	associated with A108	Black	4	416B	229	sq. ft.			200			
A109	Mastic	associated with A108	Black	4	17 Hallway	928	sq. ft.	1		200			
A109	Mastic	associated with A108	Black	4	413	260	sq. ft.	1	under carpet	200			
A110	Suspended Ceiling Tile	2' x 4' Gypsum Board		2	1 Room	1597	sq. ft.	1					
A110	Suspended Ceiling Tile	2' x 4' Gypsum Board		2	224	1597	sq. ft.	1	Throughout	331	14	19	
A111	Covebase	6" black	Black	3	2 Rooms	238	sq. ft.	0					Only test mastic.
A111	Covebase	6" black	Black	3	312 Cafeteria	150	sq. ft.		throughout	183		6.9	
A111	Covebase	6" black	Black	3	312 Cafeteria Snackbar/ Entry/Hall	88	sq. ft.		throughout	183		5.8	
A112	Adhesive	associated with A111	Beige/Yellow	3	2 Rooms	238	sq. ft.	2					
A112	Adhesive	associated with A111	Beige/Yellow	3	312 Cafeteria	150	sq. ft.	1	throughout	183		6.9	
A112	Adhesive	associated with A111	Beige/Yellow	3	312 Cafeteria Snackbar/ Entry/Hall	88	sq. ft.	1	throughout	183		5.8	
A113/113.1	Vinyl Floor Tile	12" x 12" shades of gray	Blue	3	4 Rooms	1405	sq. ft.	0					Only test mastic.
A113	Vinyl Floor Tile	12" x 12" shades of gray	Blue	3	312J	108	sq. ft.			181			
A113	Vinyl Floor Tile	12" x 12" shades of gray	Blue	3	312P	142	sq. ft.			181			
A113	Vinyl Floor Tile	12" x 12" shades of gray	Blue	3	312 Cafeteria Snackbar/ Entry/Hall	975	sq. ft.			181		5.8	
A113.1	Vinyl Floor Tile	12" x 12" shades of blue	Blue	3	312 Cafeteria Snackbar/ Entry/Hall	180	sq. ft.			182		5.8	
A114	Mastic	associated with A113	Black/Yellow	3	3 Rooms	1405	sq. ft.	3					
A114	Mastic	associated with A113	Black/Yellow	3	312J	108	sq. ft.	1		181			
A114	Mastic	associated with A113	Black/Yellow	3	312P	142	sq. ft.	1		181			
A114	Mastic	associated with A113	Black/Yellow	3	312 Cafeteria Snackbar/ Entry/Hall	975	sq. ft.					5.8	
A114	Mastic	associacted with A113 & A113.1	Black/Yellow	3	312 Cafeteria Snackbar/ Entry/Hall	180	sq. ft.	1		181		5.8	
A115	Vinyl Floor Tile	9" x 9" Dark Gray with white markings		3	3 Rooms	934	sq. ft.	0					Only test mastic.
A115	Vinyl Floor Tile	9" x 9" Dark Gray with white markings		3	314	755	sq. ft.			156			

Building A - Proposed Bulk Material Sampling Summary

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A115	Vinyl Floor Tile	9" x 9" Dark Gray with white markings		3	316	40	sq. ft.			156		15.7,33.6,18.7	
A115	Vinyl Floor Tile	9" x 9" Dark Gray with white markings		3	312F	139	sq. ft.			156			
A116	Mastic	associated with A115	Black	3	3 Rooms	934	sq. ft.	3					
A116	Mastic	associated with A115	Black	3	314	755	sq. ft.	1		156			
A116	Mastic	associated with A115	Black	3	316	40	sq. ft.	1		156		15.7,33.6,18.7	
A116	Mastic	associated with A115	Black	3	312F	139	sq. ft.	1		156			
A117	Grout	associated with 6" quarry tile	Gray/Black	3	7 Rooms		sq. ft.	0					Not mastic
A117	Grout	associated with 6" quarry tile	Gray/Black	3	316							15.7,33.6,18.7	
A117	Grout	associated with 6" quarry tile	Gray/Black	3	312F								
A117	Grout	associated with 6" quarry tile	Gray/Black	3	312						12	5.8	
A117	Grout	associated with 6" quarry tile	Gray/Black	3	312K								
A117	Grout	associated with 6" quarry tile	Gray/Black	3	312L								
A117	Grout	associated with 6" quarry tile	Gray/Black	3	312N								
A117	Grout	associated with 6" quarry tile	Gray/Black	3	312M								
A118	Mortar	associated with A117	Gray/Black	3	7 Rooms		sq. ft.	0					Not mastic
A118	Mortar	associated with A117	Gray/Black	3	316							15.7,33.6,18.7	
A118	Mortar	associated with A117	Gray/Black	3	312F								
A118	Mortar	associated with A117	Gray/Black	3	312						12	5.8	
A118	Mortar	associated with A117	Gray/Black	3	312K								
A118	Mortar	associated with A117	Gray/Black	3	312L								
A118	Mortar	associated with A117	Gray/Black	3	312K								
A118	Mortar	associated with A117	Gray/Black	3	312L								
A118	Mortar	associated with A117	Gray/Black	3	312N								
A118	Mortar	associated with A117	Gray/Black	3	312M								
A124	Suspended Ceiling Tile	2' x 2' gypsum board		3	1 Room	1069	sq. ft.	0					
A124	Suspended Ceiling Tile	2' x 2' gypsum board		3	316	1069	sq. ft.			153		15.7,33.6,18.7	
A125	Vinyl Floor Tile	12" x 12" light gray with black and white streaks	Gray	Multiple	3 Rooms	525	sq. ft.	0					Only test mastic.
A125	Vinyl Floor Tile	12" x 12" light gray with black and white streaks	Gray	3	316 storage	51	sq. ft.			157			
A125	Vinyl Floor Tile	12" x 12" light gray with black and white streaks	Gray	3	316 locker room	57	sq. ft.			157			
A125	Vinyl Floor Tile	12" x 12" light gray with black and white streaks	Gray	4	404 (suite)	417	sq. ft.			157			
A126	Mastic	associated with A125		Multiple	3 Rooms	525	sq. ft.	3					
A126	Mastic	associated with A125		3	316 storage	51	sq. ft.	1		157			
A126	Mastic	associated with A125		3	316 locker room	57	sq. ft.	1		157			
A126	Mastic	associated with A125		4	404 (suite)	417	sq. ft.	1		157			
A130	Carpet Mastic	associated with carpet	Brown	3	1 Room	691	sq. ft.	2					
A130	Carpet Mastic	associated with carpet	Brown	3	314	691	sq. ft.	2	Throughout	151			
A134	Adhesive	associated with A135/4" black (newer)	Black	Multiple	27 Rooms	745	sq. ft.	0					
A134	Adhesive	associated with A135	Black	1	103 Office	12	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	2	205E	12	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	3	322	88	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	3	320	52	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	3	325	42	sq. ft.		Throughout	71		15.9	

Building A - Proposed Bulk Material Sampling Summary

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A134	Covebase	4" black (newer)	Black	3	316 storage	11	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	3	316 locker room	11	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	3	312F	18	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	3	312J	14	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	3	312P	16	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	4	404 (suite)	70	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	4	407	30	sq. ft.		Throughout	71			
A134	Covebase	4" black (newer)	Black	4	406	14	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	406C	22	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	412	16	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	414	19	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	414A	14	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	415	48	sq. ft.		Throughout	71/237	22	17	
A134	Covebase	4" black (newer)	Black	4	415A	20	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	416	38	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	416A	22	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	416B	20	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	418	9	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	417	17	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	17 Hallway	76	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	4	413	22	sq. ft.		Throughout	71/237			
A134	Covebase	4" black (newer)	Black	1	103 Office	12	sq. ft.		Throughout	71			
A135	Adhesive	associate with A134	Beige	Multiple	25 Rooms	721	sq. ft.	7					
A135	Adhesive	associate with A134	Beige	2	205E	12	sq. ft.	1	Throughout	71			
A135	Adhesive	associated with A134	Beige	3	322	88	sq. ft.		Throughout	71			
A135	Adhesive	associated with A134	Beige	3	320	52	sq. ft.		Throughout	71			
A135	Adhesive	associated with A134	Beige	3	325	42	sq. ft.	1	Throughout	71		15.9	
A135	Adhesive	associated with A135	Beige	3	316 storage	11	sq. ft.	1	Throughout	71			
A135	Adhesive	associated with A135	Beige	3	316 locker room	11	sq. ft.		Throughout	71			
A135	Adhesive	associated with A134	Beige	3	312F	18	sq. ft.		Throughout	71			
A135	Adhesive	associated with A134	Beige	3	312J	14	sq. ft.		Throughout	71			
A135	Adhesive	associated with A134	Beige	3	312P	16	sq. ft.		Throughout	71			
A135	Adhesive	associated with A134	Beige	4	404 (suite)	70	sq. ft.	1	Throughout	71			
A135	Adhesive	associated with A134	Beige	4	407	30	sq. ft.		Throughout	71			
A135	Adhesive	associated with A134	Beige	4	406	14	sq. ft.		Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	406C	22	sq. ft.		Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	412	16	sq. ft.		Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	414	19	sq. ft.		Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	414A	14	sq. ft.		Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	415	48	sq. ft.	1	Throughout	71/237	22	17	

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A135	Adhesive	associated with A134	Beige	4	415A	20	sq. ft.		Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	416	38	sq. ft.		Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	416A	22	sq. ft.	1	Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	416B	20	sq. ft.		Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	418	9	sq. ft.		Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	417	17	sq. ft.		Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	17 Hallway	76	sq. ft.	1	Throughout	71/237			
A135	Adhesive	associated with A134	Beige	4	413	22	sq. ft.		Throughout	71/237			
A137	Vinyl Floor Tile	9" x 9" brown with dark brown and white streaks		3	7 Rooms	954	sq. ft.	0					Only test mastic. *.
A137	Vinyl Floor Tile	9" x 9" brown with dark brown and white streaks		3	308B	104	sq. ft.		throughout	133			
A137	Vinyl Floor Tile	9" x 9" brown with dark brown and white streaks		3	308C	104	sq. ft.		throughout	133		57	
A137	Vinyl Floor Tile	9" x 9" brown with dark brown and white streaks		3	308E	56	sq. ft.		throughout	133			
A137	Vinyl Floor Tile	9" x 9" brown with dark brown and white streaks		3	310	92	sq. ft.		throughout	133			
A137	Vinyl Floor Tile	9" x 9" brown with dark brown and white streaks		3	321	90	sq. ft.		throughout	133		7.6	
A137	Vinyl Floor Tile	9" x 9" brown with dark brown and white streaks		3	323	257	sq. ft.		throughout	133			
A137	Vinyl Floor Tile	9" x 9" brown with dark brown and white streaks		3	325	251	sq. ft.		throughout and under carpet	133		15.9	
A138	Mastic	associated with A137		3	7 Rooms	954	sq. ft.	3					
A138	Mastic	associated with A137		3	308B	104	sq. ft.		throughout	133			
A138	Mastic	associated with A137		3	308C	104	sq. ft.	1	throughout	133		57	
A138	Mastic	associated with A137		3	308E	56	sq. ft.		throughout	133			
A138	Mastic	associated with A137		3	310	92	sq. ft.		throughout	133			
A138	Mastic	associated with A137		3	321	90	sq. ft.	1	throughout	133		7.6	
A138	Mastic	associated with A137		3	323	257	sq. ft.		throughout	133			
A138	Mastic	associated with A137		3	325	251	sq. ft.	1	throughout and under carpet	133		15.9	
A139	Vinyl Floor Tile	12" x 12" white with brown streaks	White	3	1 Room	76	sq. ft.	0					Only test mastic.
A139	Vinyl Floor Tile	12" x 12" white with brown streaks	White	3	323	76	sq. ft.			144			
A140	Mastic	associated with A139	Gray/Yellow	3	1 Room	76	sq. ft.	2					
A140	Mastic	associated with A139	Gray/Yellow	3	323	76	sq. ft.	2		144			
A141	Covebase	4" beige	Beige	3	3 Rooms	69	sq. ft.	0					Only test mastic.
A141	Covebase	4" beige	Beige	3	308F	10	sq. ft.		Throughout	137			
A141	Covebase	4" beige	Beige	3	308A	13	sq. ft.		Throughout	137			
A141	Covebase	4" beige	Beige	3	308	46	sq. ft.		Throughout	137		37	
A142	Adhesive	associated with A141	Yellow/Brown	3	3 Rooms	69	sq. ft.	3					
A142	Adhesive	associated with A141	Yellow/Brown	3	308F	10	sq. ft.	1	Throughout	137			
A142	Adhesive	associated with A141	Yellow/Brown	3	308A	13	sq. ft.	1	Throughout	137			
A142	Adhesive	associated with A141	Yellow/Brown	3	308	46	sq. ft.	1	Throughout	137		37	
A143	Covebase	4" blue	Blue	3	7 Rooms	111	sq. ft.	0					4" base would be 333 LF. Only test mastic for PCBs at this time.
A143	Covebase	4" blue	Blue	3	302	18	sq. ft.			115			
A143	Covebase	4" blue	Blue	3	304	24	sq. ft.			115	24	54	
A143	Covebase	4" blue	Blue	3	304A	14	sq. ft.			115			

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A143	Covebase	4" blue	Blue	3	304E	10	sq. ft.			115			
A143	Covebase	4" blue	Blue	3	304F	16	sq. ft.			115			
A143	Covebase	4" blue	Blue	3	306	16	sq. ft.			115			
A143	Covebase	4" blue	Blue	3	308D	13	sq. ft.			115			
A144	Adhesive	associated with A143	Beige	3	7 Rooms	111	sq. ft.	3					4" base would be 333 LF
A144	Adhesive	associated with A143	Beige	3	302	18	sq. ft.	1		115			
A144	Adhesive	associated with A143	Beige	3	304	24	sq. ft.	1		115	24	54	
A144	Adhesive	associated with A143	Beige	3	304A	14	sq. ft.			115			
A144	Adhesive	associated with A143	Beige	3	304E	10	sq. ft.			115			
A144	Adhesive	associated with A143	Beige	3	304F	16	sq. ft.			115			
A144	Adhesive	associated with A143	Beige	3	306	16	sq. ft.	1		115			
A144	Adhesive	associated with A143	Beige	3	308D	13	sq. ft.			115			
A145	Sink Undercoating	-	Beige	3	1 Room	3	sq. ft.	1					
A145	Sink Undercoating	-	Beige	3	304E	3	sq. ft.	1		127			
A146	Adhesive	associated with counter		3	1 Room	4	sq. ft.	2					*
A146	Adhesive	associated with counter		3	304E	4	sq. ft.	2		-			
A148	Stair Tread Material	blue	Blue	3	1 Room	90	sq. ft.	0					Only test mastic.
A148	Stair Tread Material	blue	Blue	3	Lobby	90	sq. ft.					40	
A149	Adhesive	associated with A148	Beige	3	1 Room	90	sq. ft.	2					
A149	Adhesive	associated with A148	Beige	3	Lobby	90	sq. ft.	2				40	
A150	Stair Riser Material	6" Covebase, blue		3	1 Room	90	sq. ft.	0					6"Base would be 180 LF. Only test mastic for PCBs at this time.
A150	Stair Riser Material	6" Covebase, blue		3	Lobby	90	sq. ft.			-		40	
A151	Adhesive	associated with A150		3	1 Room	90	sq. ft.	2					6"Base would be 180 LF.
A151	Adhesive	associated with A150		3	Lobby	90	sq. ft.	2		-		40	
A152	Grout	associated with ceramic wall tile 1" x 2" brown	White	3	1 Room	64	sq. ft.	0					Not mastic
A152	Grout	associated with ceramic wall tile 1" x 2" brown	White	3	10 Hallway	64	sq. ft.		at water fountains	97		22.8	
A153	Adhesive	associated with A152	Gray	3	1 Room	64	sq. ft.	2					
A153	Adhesive	associated with A152	Gray	3	10 Hallway	64	sq. ft.	2	at water fountains	97		22.8	
A157	Duct Seam Sealant	Metal Ductwork	Beige	3	1 Room	12	sq. ft.	2					
A157	Duct Seam Sealant	Metal Ductwork	Beige	3	Mezzanine	12	sq. ft.	2		-			
A159	Duct Seam Sealant	Metal Ductwork	Black	3	1 Room	12	sq. ft.	2					
A159	Duct Seam Sealant	Metal Ductwork	Black	3	Mezzanine	12	sq. ft.	2		-			
A160/160.1	Mastic/Vapor Barrier	associated with Gym wood floor		3	6 Rooms	28,210	sq. ft.	0					Floor has been predominantly refinished throughout, only small amount of original remains under former bleacher locations. *
A160	Mastic/Vapor Barrier	associated with Gym wood floor		3	320	1524	sq. ft.			74			
A160	Mastic/Vapor Barrier	associated with Gym wood floor		3	318	1096	sq. ft.			74			
A160	Mastic/Vapor Barrier	associated with Gym wood floor		3	311	11485	sq. ft.			90	1.1		
A160.1	Wood Varnish/Sealant	associated with Gym wood floor		3	320	1524	sq. ft.			74			
A160.1	Wood Varnish/Sealant	associated with Gym wood floor		3	318	1096	sq. ft.			74			

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A160.1	Wood Varnish/Sealant	associated with Gym wood floor		3	311	11485	sq. ft.			90	1.1		
A161	Duct Seam Sealant	Metal Ductwork	tan	3	2 Rooms	6	sq. ft.	2					
A161	Duct Seam Sealant	Metal Ductwork	tan	3	320B	3	sq. ft.	1		77			
A161	Duct Seam Sealant	Metal Ductwork	tan	3	320C	3	sq. ft.	1		77			
A162	Duct Seam Tape	Metal Ductwork	Beige	3	2 Rooms	6	sq. ft.	2					
A162	Duct Seam Tape	Metal Ductwork	Beige	3	320B	3	sq. ft.	1		77			
A162	Duct Seam Tape	Metal Ductwork	Beige	3	320C	3	sq. ft.	1		77			
A166	Carpet Mastic	with gray carpet squares	Yellow	Multiple	2 Rooms	763	sq. ft.	2					Unless Post 1980
A166	Carpet Mastic	with gray carpet squares	Yellow	-	01 (stairwell)	561	sq. ft.	1	1st Floor Only	13		21.5	
A166	Carpet Mastic	with gray carpet squares	Yellow	1	02 (hall)	202	sq. ft.	1	Throughout	13			
A170	Suspended Ceiling Tile	2' x 2' , 2' x 4' pock holes with pinholes	Tan/White	Multiple	4 Rooms	1,996	sq. ft.	4					
A170	Suspended Ceiling Tile	2' x 2' , 2' x 4' pock holes with pinholes	Tan/White	3	320	1524	sq. ft.	1		177			
A170	Suspended Ceiling Tile	2' x 2' , 2' x 4' pock holes with pinholes	Tan/White	3	320D	61	sq. ft.	1		177			
A170	Suspended Ceiling Tile	2' x 2' , 2' x 4' pock holes with pinholes	Tan/White	3	Bistro	151	sq. ft.	1		177			
A170	Suspended Ceiling Tile	2' x 2' , 2' x 4' pock holes with pinholes	Tan/White	4	413	260	sq. ft.	1		177			
A171	Carpet Mastic	associated with blue, tan, maroon diamond pattern	Yellow	4	3 Rooms	1,456	sq. ft.	3					
A171	Carpet Mastic	associated with blue, tan, maroon diamond pattern	Yellow	4	414	182	sq. ft.	1	Throughout	215			
A171	Carpet Mastic	associated with blue, tan, maroon diamond pattern	Yellow	4	415	1056	sq. ft.	1	Throughout	215	22	17	
A171	Carpet Mastic	associated with blue, tan, maroon diamond pattern	Yellow	4	415A	218	sq. ft.	1	Throughout	215			
A171	Carpet Mastic	associated with blue, tan, maroon diamond pattern	Yellow	4	415A	218	sq. ft.	1	Throughout	215			
A172	Sink Undercoating	-	Black	4	1 Room	6	sq. ft.	1					
A172	Sink Undercoating	-	Black	4	416B	6	sq. ft.	1		227			
A173	Vinyl Floor Tile	12" x 12" light shades of gray	Gray	4	1 Room	114	sq. ft.	0					Only test mastic.
A173	Vinyl Floor Tile	12" x 12" light shades of gray	Gray	4	414A	114	sq. ft.			220			
A174	Mastic	associated with A173	Gray	4	1 Room	114	sq. ft.	2					
A174	Mastic	associated with A173	Gray	4	414A	114	sq. ft.	2		220			
A175	Resilient Sheet Flooring	blue and black	Blue	4	3 Rooms	322	sq. ft.	0					A175A-175B
A175	Resilient Sheet Flooring	blue and black	Blue	4	412	142	sq. ft.		Throughout	237			
A175	Resilient Sheet Flooring	blue and black	Blue	4	418	45	sq. ft.		Throughout	237			
A175	Resilient Sheet Flooring	blue and black	Blue	4	417	135	sq. ft.		Throughout	237			
A176	Adhesive	associated with A175		4	3 Rooms	322	sq. ft.	3					A176A-176B
A176	Adhesive	associated with A175		4	412	142	sq. ft.	1	Throughout	237			
A176	Adhesive	associated with A175		4	418	45	sq. ft.	1	Throughout	237			
A176	Adhesive	associated with A175		4	417	135	sq. ft.	1	Throughout	237			
A177	Carpet Mastic	associacted with blue rolled carpet	Yellow	4	1 Room	266	sq. ft.	2					
A177	Carpet Mastic	associacted with blue rolled carpet	Yellow	4	413	266	sq. ft.	2	Throughout	236			
A178	Epoxy Flooring	-	Brown	4	1 Room	521	sq. ft.	3					
A178	Epoxy Flooring	-	Brown	4	411	521	sq. ft.	3		241			
A179	Terrazzo Flooring	brown	Brown	3	1 Room		sq. ft.	0					
A179	Terrazzo Flooring	brown	Brown	3	Lobby							40	

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
A180	Adhesive	associated with acousitcal panels		3	1 Room	950	sq. ft.	2					*
A180	Adhesive	associated with acousitcal panels		3	Auditorium	950	sq. ft.	2		106	17	20	
A181	Carpet Mastic	associated with carpet, blue floral pattern	Yellow	3	1 Room	2,632	sq. ft.	3					Assumed asbestos
A181	Carpet Mastic	associated with carpet, blue floral pattern	Yellow	3	Auditorium	2632	sq. ft.	3		107	17	20	
A182	Projector Screen Material	-		3	1 Room		sq. ft.	0					
A182	Projector Screen Material	-		3	Auditorium				Above stage		17	20	
A184	Glue Daubs		Brown	3	1 Room		sq. ft.	2					
A184	Glue Daubs		Brown	3	Auditorium	-	-	2	Auditorium Booth	-	17	20	
-	Sealant	on Concrete Floor	clear coating	1	2 Rooms	3,692	sq. ft.	3					
-	Sealant	on Concrete Floor	clear coating	1	104	2233	sq. ft.	2	Center and South sections	20			
-	Sealant	Concrete Floor		1	106	1459	sq. ft.	1	Throughout	20	260		
-	Expansion Joint Caulking	CMU to CMU		1	2 Rooms	22	LF	3					
-	Expansion Joint Caulking	CMU to CMU		1	104	11	lnft	1	South Wall	31			
-	Expansion Joint Caulking	CMU to CMU		1	106	11	lnft	2	South wall	31	260		
-	Resilient Sheet Flooring	Orange gravel pattern		1	1 Room	70	sq. ft.	0					
-	Resilient Sheet Flooring	Orange gravel pattern		1	03 (hall)	70	sq. ft.		Throughout	-			
-	Adhesive	with Resilient Sheet Flooring, orange gravel pattern		1	1 Room	70	sq. ft.	2					
-	Adhesive	with Resilient Sheet Flooring, orange gravel pattern		1	03 (hall)	70	sq. ft.	2	Throughout	-			
-	Mastic	associated with carpet squares		3	1 Room		sq. ft.	2					
-	Mastic	associated with carpet squares		3	322			2		70			
-	Adhesive	associated with wall paneling		3	1 Room		sq. ft.	2					
-	Adhesive	associated with wall paneling		3	Auditorium			2			17	20	
-	Adhesive	associated with wall paper		3	1 Room		sq. ft.	2					
-	Adhesive	associated with wall paper		3	302			2	north wall, above rad. Heat				
-	Grout	associated with ceramic wall tile 4" white/blue (newer)		3	3 Rooms		sq. ft.	0					
-	Grout	associated with ceramic wall tile 4" white/blue (newer)		3	317							6.5	
-	Grout	associated with ceramic wall tile 4" white/blue (newer)		3	Bistro								
-	Grout	associated with ceramic wall tile 4" white/blue (newer)		3	319								
-	Adhesive	associated with ceramic wall tile 4" white/blue (newer)		3	3 Rooms		sq. ft.	3					
-	Adhesive	associated with ceramic wall tile 4" white/blue (newer)		3	317			1				6.5	
-	Adhesive	associated with ceramic wall tile 4" white/blue (newer)		3	Bistro			1					
-	Adhesive	associated with ceramic wall tile 4" white/blue (newer)		3	319			1					
-	Grout	associated with ceramic floor tile 2" (newer)		3	2 Rooms		sq. ft.	0					
-	Grout	associated with ceramic floor tile 2" (newer)		3	317							6.5	
-	Grout	associated with ceramic floor tile 2" (newer)		3	319								
-	Adhesive	associated with ceramic floor tile 2" (newer)		3	2 Rooms		sq. ft.	2					
-	Adhesive	associated with ceramic floor tile 2" (newer)		3	317			1				6.5	
-	Adhesive	associated with ceramic floor tile 2" (newer)		3	319			1					
-	Carpet Mastic	associated with red carpet (newer)		Multiple	3 Rooms	490	sq. ft.	3					

Building A - Proposed Bulk Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity (square feet)	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Air Sampling November 2020 Results (ng/m^3)	Comments
-	Carpet Mastic	associated with red carpet (newer)		3	325	187	sq. ft.	1	Throughout	147		15.9	
-	Carpet Mastic	associated with red carpet sqaures (newer)		4	406	80	sq. ft.	1	Throughout	147			
-	Carpet Mastic	associated with red carpet sqaures (newer)		4	406C	223	sq. ft.	1	Throughout	147			
-	Adhesive	associated with wood wainscoating		3	1 Room		sq. ft.	2					
-	Adhesive	associated with wood wainscoating		3	314			2					
-	Sink Undercoating	-	gray	4	1 Room		sq. ft.	1					
-	Sink Undercoating	-	gray	4	404 (suite)			1		192			
New - Post Initial Inspection	Covebase	4" gray (newer)		2	1 Room	15	sq. ft.	0					
New - Post Initial Inspection	Covebase	4" gray (newer)		2	205F	15	sq. ft.		Throughout	311			
New - Post Initial Inspection	Adhesive	associated with Covebase, 4" gray (newer)		2	1 Room	15	sq. ft.	1					
New - Post Initial Inspection	Adhesive	associated with Covebase, 4" gray (newer)		2	205F	15	sq. ft.	1	Throughout	311			
New - Post Initial Inspection	Vinyl Floor Tile	12" x 12", gray with white and shades of gray markings		2	1 Room	148	sq. ft.	0					
New - Post Initial Inspection	Vinyl Floor Tile	12" x 12", gray with white and shades of gray markings		2	205F	148	sq. ft.		Throughout	312			
New - Post Initial Inspection	Mastic	associated with Vinyl Floor Tile, 12" x 12", gray with white and shades of gray markings		2	1 Room	148	sq. ft.	2					
New - Post Initial Inspection	Mastic	associated with Vinyl Floor Tile, 12" x 12", gray with white and shades of gray markings		2	205F	148	sq. ft.	2	Throughout	312			
								77 Materials Sampled					
								240 Samples					Excludes paint, varnish
End of Building A													

=Denotes material type

= Denotes proposed sample location

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
-	Covebase	4" black, no foot	black	1	3 Rooms	49	sq. ft.	0				
-	Covebase	4" black, no foot	black	1	103A	18	sq. ft.					
-	Covebase	4" black, no foot	black	1	103B	19	sq. ft.				47	
-	Covebase	4" black, no foot	black	1	103D	12	sq. ft.					
-	Adhesive	associated w/ 4" black no foot		1	7 Rooms	197	sq. ft.	3	Varies			
-	Adhesive	associated with simulated wood paneling		1	102 Math lab, off Library	-		1		424		
-	Adhesive	associated with 4" black, no foot		1	103A	18	sq. ft.					
-	Adhesive	associated with Stair Tread Material, brown with raised circles		1	Lobby/ East Hall and Stair	140		1	at mid landings	378		
-	Adhesive	associated with		1	103A	8	sq. ft.			394		
-	Adhesive	associated with 4" black, no foot		1	103B	19	sq. ft.	1			47	
-	Adhesive	associated with 4" black, no foot		1	103D	12	sq. ft.					
-	Adhesive	associated with homosote board		1	102 Classroom	-						
-	Stair Tread Material	Brown		1	2 Rooms	148	sq. ft.	3		394/378		
-	Stair Tread Material	brown with raised diamond pattern		1	103A	8	sq. ft.	1		394		
-	Stair Tread Material	brown with raised circles		1	Lobby/ East Hall and Stair	140	sq. ft.	2		378		
-	Duct Seam Sealant		gray	1	108 & 108A	3	sq. ft.	2				
-	Carpet Mastic	associated with gray carpet squares		1	Lobby/ East Hall and Stair	82	sq. ft.	2	vestibule	369		
A27	Covebase	4" brown (newer)		1	101F	22	sq. ft.	0	throughout			
A28	Adhesive	associated with 4" brown (newer)		1	101F	22	sq. ft.	2	throughout			
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	14 Rooms			0				
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	200		sq. ft.					
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	200B		sq. ft.					
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	200C		sq. ft.					
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	200D		sq. ft.					
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	201		sq. ft.					
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	202		sq. ft.				100	
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	204		sq. ft.					
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	206		sq. ft.					
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	208		sq. ft.					
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	209		sq. ft.				110	
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	210		sq. ft.					

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	211		sq. ft.					
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	212		sq. ft.					
B01	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	Library Balcony		sq. ft.		"book lift"			
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		Multiple	23 Rooms	4764	sq. ft.	12	Varies	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	101	628	sq. ft.	1	throughout	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	101D	121	sq. ft.		throughout	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	101 Hallway	62	sq. ft.		throughout	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	101F	256	sq. ft.	1	throughout	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	102 Math lab, off Library	50	sq. ft.	1	throughout	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	103 Library	1190	sq. ft.	1		363	47	
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	103A	190	sq. ft.			363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	103B	102	sq. ft.	1		363	47	
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	103C	223	sq. ft.	1		363	270	
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	103D	92	sq. ft.			363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	103E	213	sq. ft.	1		363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	102 Classroom	190	sq. ft.			363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	104 IT Area	304	sq. ft.	1	Throughout	363	27	
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	106 Bathroom	32	sq. ft.		Entry Only	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	110 Bathroom	32	sq. ft.		Entry Only	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	Lobby/ East Hall and Stair	285	sq. ft.	1		363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	201	39	sq. ft.		southeast section only	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	202	39	sq. ft.	1	northeast section	363	100	
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	204	39	sq. ft.		northwest section	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	206	39	sq. ft.		northeast section	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	208	22	sq. ft.		northwest section	363		
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	209	39	sq. ft.	1	southeast section	363	110	
B15	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	Hallway	577	sq. ft.	1	throughout	363		
B16	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		Multiple	6 Rooms	2596	sq. ft.	3		371		
B16	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		1	102 Math lab, off Library	50	sq. ft.		throughout	371		
B16	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		1	103 Library	1190	sq. ft.	1		371	47	
B16	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		1	102 Classroom	190	sq. ft.			371		
B16	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		1	104 IT Area	304	sq. ft.	1	Throughout	371	27	

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B16	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		1	Lobby/ East Hall and Stair	285	sq. ft.			371		
B16	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		2	Hallway	577	sq. ft.	1	throughout	371		
B17	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		Multiple	7 Rooms	2698	sq. ft.	3		362		
B17	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		1	102 Math lab, off Library	50	sq. ft.		throughout	362		
B17	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		1	103 Library	1190	sq. ft.	1		362	47	
B17	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		1	103B	102	sq. ft.			362	27	
B17	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		1	102 Classroom	190	sq. ft.			362		
B17	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		1	104 IT Area	304	sq. ft.	1	Throughout	362	27	
B17	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		1	Lobby/ East Hall and Stair	285	sq. ft.			362		
B17	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		2	Hallway	577	sq. ft.	1	throughout	362		
B18	Covebase	4" Brown (older)		1	Lobby/ East Hall and Stair	21	sq. ft.	0	mid landing only	380		Only test mastic for PCBs at this time
B19	Adhesive	associated with B18		1	Lobby/ East Hall and Stair	21	sq. ft.	2	mid landing only	380		
B20	Covebase	4" black (original)		Multiple	26 Rooms	732	sq. ft.	0	Varies	372		Only test mastic for PCBs at this time
B20	Covebase	4" black (original)		1	101	36	sq. ft.		throughout	372		
B20	Covebase	4" black (original)		1	101A Closet	8	sq. ft.		throughout	372		
B20	Covebase	4" black (original)		1	101D	14	sq. ft.		throughout	372		
B20	Covebase	4" black (original)		1	101 Hallway	14	sq. ft.		throughout	372		
B20	Covebase	4" black (original)		1	101E Hall Closet	2	sq. ft.		throughout	372		
B20	Covebase	4" black (original)		1	102 Math lab, off Library	19			throughout	372		
B20	Covebase	4" black (original)		1	103E	18	sq. ft.			372		
B20	Covebase	4" black (original)		1	102 Classroom	36	sq. ft.			372		
B20	Covebase	4" black (original)		1	103G	10	sq. ft.			372		
B20	Covebase	4" black (original)		1	104 IT Area	80	sq. ft.		Throughout	372	27	
B20	Covebase	4" black (original)		1	106 Bathroom	8	sq. ft.		Entry Only	372		
B20	Covebase	4" black (original)		1	110 Bathroom	8	sq. ft.		Entry Only	372		
B20	Covebase	4" black (original)		1	108 & 108A	24	sq. ft.		Throughout	372		
B20	Covebase	4" Black (original)		1	Lobby/ East Hall and Stair	20	sq. ft.		lobby	372		
B20	Covebase	4" black (original)		2	200	28	sq. ft.		Throughout	372		
B20	Covebase	4" black (original)		2	200B	10	sq. ft.		Throughout	372		
B20	Covebase	4" black (original)		2	200C	10	sq. ft.		Throughout	372		
B20	Covebase	4" black (original)		2	200D	6	sq. ft.		Throughout	372		
B20	Covebase	4" black (original)		2	201	35	sq. ft.		Throughout	372		

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B20	Covebase	4" black (original)		2	202	56	sq. ft.		Throughout	372	100	
B20	Covebase	4" black (original)		2	204	36	sq. ft.		throughout	372		
B20	Covebase	4" black (original)		2	206	36	sq. ft.		throughout	372		
B20	Covebase	4" black (original)		2	208	36	sq. ft.		throughout	372		
B20	Covebase	4" black (original)		2	210	9	sq. ft.		Throughout	372		
B20	Covebase	4" black (original)		2	212	45	sq. ft.		throughout	372		
B20	Covebase	4" black (original)		2	Hallway	128	sq. ft.		throughout	372		
B20.1	Covebase	4" black (newer)	black	Multiple	6 Rooms	105	sq. ft.	0	Varies	358		Only test mastic for PCBs at this time
B20.1	Covebase	4" black (newer)	black	1	103C	15	sq. ft.		Throughout	358	270	
B20.1	Covebase	4" black (newer)	black	1	114 & 114A	35	sq. ft.		Throughout	358		
B20.1	Covebase	4" Black (newer)	black	1	Lobby/ East Hall and Stair	8	sq. ft.		vestibule	358		
B20.1	Covebase	4" black (newer)	black	1	105 Principal's Office	30	sq. ft.		Throughout	358		
B20.1	Covebase	4" black (newer)	black	1	Elev. Mech. Room	9	sq. ft.		Throughout	358		
B20.1	Covebase	4" black (newer)	black	2	208	8	sq. ft.		throughout	358		
B21	Adhesive	associated with B20		Multiple	26 Rooms	732	sq. ft.	3	Varies	372		
B21	Adhesive	associated with B20		1	101	36	sq. ft.		throughout	372		
B21	Adhesive	associated with B20		1	101A Closet	8	sq. ft.		throughout	372		
B21	Adhesive	associated with B20		1	101D	14	sq. ft.		throughout	372		
B21	Adhesive	associated with B20		1	101 Hallway	14	sq. ft.		throughout	372		
B21	Adhesive	associated with B20		1	101E Hall Closet	2	sq. ft.		throughout	372		
B21	Adhesive	associated with B20		1	102 Math lab, off Library	19			throughout	372		
B21	Adhesive	associated with B20		1	103E	18	sq. ft.			372		
B21	Adhesive	associated with B20		1	102 Classroom	36	sq. ft.			372		
B21	Adhesive	associated with B20		1	103G	10	sq. ft.			372		
B21	Adhesive	associated with B20		1	104 IT Area	80	sq. ft.	1	Throughout	372	27	
B21	Adhesive	associated with B20		1	106 Bathroom	8	sq. ft.		Entry Only	372		
B21	Adhesive	associated with B20		1	110 Bathroom	8	sq. ft.		Entry Only	372		
B21	Adhesive	associated with B20		1	108 & 108A	24	sq. ft.		Throughout	372		
B21	Adhesive	associated with B20		1	Lobby/ East Hall and Stair	20	sq. ft.		lobby	372		
B21	Adhesive	associated with B20		2	200	28	sq. ft.		Throughout	372		
B21	Adhesive	associated with B20		2	200B	10	sq. ft.		Throughout	372		
B21	Adhesive	associated with B20		2	200C	10	sq. ft.		Throughout	372		

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B21	Adhesive	associated with B20		2	200D	6	sq. ft.		Throughout	372		
B21	Adhesive	associated with B20		2	201	35	sq. ft.		Throughout	372		
B21	Adhesive	associated with B20		2	202	56	sq. ft.	1	Throughout	372	100	
B21	Adhesive	associated with B20		2	204	36	sq. ft.		throughout	372		
B21	Adhesive	associated with B20		2	206	36	sq. ft.		throughout	372		
B21	Adhesive	associated with B20		2	208	36	sq. ft.		throughout	372		
B21	Adhesive	associated with B20		2	210	9	sq. ft.		Throughout	372		
B21	Adhesive	associated with B20		2	212	45	sq. ft.		throughout	372		
B21	Adhesive	associated with B20		2	Hallway	128	sq. ft.	1	throughout	372		
B21.1	Adhesive	associated with B20.1		Multiple	6 Rooms	105	sq. ft.	3	Varies	358		
B21.1	Adhesive	associated with B20.1		1	103C	15	sq. ft.	1	Throughout	358	270	
B21.1	Adhesive	associated with B20.1		1	114 & 114A	35	sq. ft.		Throughout	358		
B21.1	Adhesive	associated with B20.1		1	Lobby/ East Hall and Stair	8	sq. ft.	1	vestibule	358		
B21.1	Adhesive	associated with B20.1		1	105 Principal's Office	30	sq. ft.	1	Throughout	358		
B21.1	Adhesive	associated with B20.1		1	Elev. Mech. Room	9	sq. ft.		Throughout	358		
B21.1	Adhesive	associated with B20		2	208	8	sq. ft.		throughout	358		
B22	Plaster	Walls		Multiple	2 Rooms			0				
B22	Plaster	Walls		1	101							
B22	Plaster	-		2	200B							
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	Multiple	21 Rooms	11954	sq. ft.	0	Varies	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	101	628	sq. ft.		throughout	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	101D	121	sq. ft.		throughout	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	101 Hallway	62	sq. ft.		throughout	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	101E Hall Closet	8	sq. ft.		throughout	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	101F	256	sq. ft.		throughout	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	102 Math lab, off Library	151			throughout	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	103 Library	3572			under carpet	386	47	
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	103A	190	sq. ft.			386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	103B	205	sq. ft.		under carpet	386	47	
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	103C	223	sq. ft.		under carpet	386	270	
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	103D	92	sq. ft.		throughout	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	103E	213	sq. ft.		throughout	386		

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	102 Classroom	569	sq. ft.			386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	104 IT Area	913	sq. ft.		Throughout	386	27	
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	106 Bathroom	32	sq. ft.		Entry Only	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	1	110 Bathroom	32	sq. ft.		Entry Only	386		
B23	Vinyl Floor Tile	9" x 9" light gray with black and white streaks	Light Gray with Black & White	2	201	687	sq. ft.		Throughout	386		
B23	Vinyl Floor Tile	9" x 9" light gray with black and white streaks	Light Gray with Black & White	2	202	729	sq. ft.		east section	386	100	
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	2	206	742	sq. ft.		throughout	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	2	212	797	sq. ft.		throughout	386		
B23	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Light Gray with Black & White	2	Hallway	1732	sq. ft.		throughout	386		
B24	Mastic	associated with B23		Multiple	21 Rooms	11954	sq. ft.	12	Varies	386		
B24	Mastic	associated with B23		1	101	628	sq. ft.	1	throughout	386		
B24	Mastic	associated with B23		1	101D	121	sq. ft.		throughout	386		
B24	Mastic	associated with B23		1	101 Hallway	62	sq. ft.	1	throughout	386		
B24	Mastic	associated with B23		1	101E Hall Closet	8	sq. ft.		throughout	386		
B24	Mastic	associated with B23		1	101F	256	sq. ft.		throughout	386		
B24	Mastic	associated with B23		1	102 Math lab, off Library	151		1	throughout	386		
B24	Mastic	associated with B23		1	103 Library	3572		1	under carpet	386	47	
B24	Mastic	associated with B23		1	103A	190	sq. ft.			386		
B24	Mastic	associated with B23		1	103B	205	sq. ft.	1	under carpet	386	47	
B24	Mastic	associated with B23		1	103C	223	sq. ft.	1	under carpet	386	270	
B24	Mastic	associated with B23		1	103D	92	sq. ft.		throughout	386		
B24	Mastic	associated with B23		1	103E	213	sq. ft.		throughout	386		
B24	Mastic	associated with B23		1	102 Classroom	569	sq. ft.	1		386		
B24	Mastic	associated with B23		1	104 IT Area	913	sq. ft.	1	Throughout	386	27	
B24	Mastic	associated with B23		1	106 Bathroom	32	sq. ft.		Entry Only	386		
B24	Mastic	associated with B23		1	110 Bathroom	32	sq. ft.	1	Entry Only	386		
B24	Mastic	associated with B24		2	201	687	sq. ft.	1	Throughout	386		
B24	Mastic	associated with B24		2	202	729	sq. ft.	1	east section	386	100	
B24	Mastic	associated with B23		2	206	742	sq. ft.		throughout	386		
B24	Mastic	associated with B23		2	212	797	sq. ft.		throughout	386		
B24	Mastic	associated with B23		2	Hallway	1732	sq. ft.	1	throughout	386		

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B25	Vinyl Floor Tile	12" x 12" Cream with Rust and White Streaks	Cream with Rust and White Streaks	Multiple	2 Rooms	864	sq. ft.	0	Varies	366		Only test mastic for PCBs at this time
B25	Vinyl Floor Tile	12" x 12" Cream with Rust and White Streaks	Cream with Rust and White Streaks	1	Lobby/ East Hall and Stair	826	sq. ft.		lobby and mid landing	366		
B25	Vinyl Floor Tile	12" x 12" cream with rust and white streaks	Cream with Rust and White Streaks	2	Hallway	38	sq. ft.		northwest section only, at doors to breezeway	366		
B26	Mastic	associated with B25		Multiple	2 Rooms	864	sq. ft.	3	Varies	366		
B26	Mastic	associated with B25		1	Lobby/ East Hall and Stair	826	sq. ft.	2	lobby and mid landing	366		
B26	Mastic	associated with B25		2	Hallway	38	sq. ft.	1	northwest section only, at doors to breezeway	366		
B27	Covebase	4" brown (newer)		Multiple	3 Rooms	147	sq. ft.	0	Varies	364/398		Only test mastic for PCBs at this time
B27	Covebase	4" brown (newer)		1	103 Library	100	sq. ft.			364/398	47	
B27	Covebase	4" brown (newer)		1	Lobby/ East Hall and Stair	19	sq. ft.		at elevator	364/398		
B27	Covebase	4" Brown (newer)		2	Library Balcony	28	sq. ft.		throughout	364/398		
B28	Adhesive	associated with B27		Multiple	3 Rooms	147	sq. ft.	3	Varies	364/398		
B28	Adhesive	associated with B27		1	103 Library	100	sq. ft.	1		364/398	47	
B28	Adhesive	associated with B27		1	Lobby/ East Hall and Stair	19	sq. ft.	1	at elevator	364/398		
B28	Adhesive	associated with B27		2	Library Balcony	28	sq. ft.	1	throughout	364/398		
B29	Carpet Mastic	with Carpet		Multiple	2 Rooms	3572		3		398		
B29	Carpet Mastic	with Green/Gray Carpet		1	103 Library	3572		2		398	47	
B29	Carpet Mastic	with Gray, Blue, Maroon Carpet		2	Library Balcony			1		398		
B30	Carpet Mastic	with Carpet		1	1 Room	223	sq. ft.	2		390		
B30	Carpet Mastic	tweed carpet, gray/blue/maroon		1	103C	223	sq. ft.	2		390	100	
B31	Vinyl Floor Tile	12" x 12" White and Gray with Blue Markings		Multiple	4 Rooms	1719	sq. ft.	0	Varies	5132		Only test mastic for PCBs at this time
B31	Vinyl Floor Tile	12" x 12" White and Gray with Blue Markings		1	114 & 114A	271	sq. ft.		Throughout 114	5132		
B31	Vinyl Floor Tile	12" x 12" White and Gray with Blue Markings		1	105 Principal's Office	53	sq. ft.		Closet only	5132		
B31	Vinyl Floor Tile	12" x 12" White and Gray with Blue Markings		2	204	736	sq. ft.		throughout	5132		
B31	Vinyl Floor Tile	12" x 12" White and Gray with Blue Markings		2	208	659	sq. ft.		throughout	5132		
B32	Mastic	associated with B31		Multiple	4 Rooms	1719	sq. ft.	3	Varies	5132		
B32	Mastic	associated with B31		1	114 & 114A	271	sq. ft.	1	Throughout 114	5132		
B32	Mastic	associated with B31		1	105 Principal's Office	53	sq. ft.		Closet only	5132		
B32	Mastic	associated with B31		2	204	736	sq. ft.	1	throughout	5132		
B32	Mastic	associated with B31		2	208	659	sq. ft.	1	throughout	5132		

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B33	Window Caulking	CMU		Multiple	20 Rooms			0				Previously Sampled - PCB B33A
B33	Window Caulking	CMU to Metal		1	101							
B33	Window Caulking	CMU/Plaster to Metal		1	101D							
B33	Window Caulking	CMU to Metal		1	101F							
B33	Window Caulking	CMU/Plaster to Metal		1	103 Library						47	
B33	Window Caulking	CMU/Plaster to Metal		1	103C						270	
B33	Window Caulking	CMU to Metal		1	103D							
B33	Window Caulking	CMU/Plaster to Metal		1	103E							
B33	Window Caulking	Metal casing to CMU		1	102 Classroom							
B33	Window Caulking	CMU to Metal		1	104 IT Area						27	
B33	Window Caulking	CMU to Metal		1	114 & 114A							
B33	Window Caulking	CMU to Metal		1	Lobby/ East Hall and Stair							
B33	Window Caulking	CMU to Metal		1	105 Principal's Office							
B33	Window Caulking	CMU to Metal		2	200							
B33	Window Caulking	CMU to Metal		2	201							
B33	Window Caulking	CMU to Metal		2	202						100	
B33	Window Caulking	CMU to Metal		2	204							
B33	Window Caulking	CMU to Metal		2	206							
B33	Window Caulking	CMU to Metal		2	208							
B33	Window Caulking	CMU to Metal		2	209						110	
B33	Window Caulking	CMU to Metal		2	212							
B34	Window Caulking	Metal to Metal		Multiple	20 Rooms			0				Previously Sampled - PCB B34A
B34	Window Caulking	Metal to Metal		1	101							
B34	Window Caulking	Metal to Metal		1	101D							
B34	Window Caulking	Metal to Metal		1	101F							
B34	Window Caulking	Metal to Metal		1	103 Library						47	
B34	Window Caulking	Metal to Metal		1	103C						270	
B34	Window Caulking	Metal to Metal		1	103D							
B34	Window Caulking	Metal to Metal		1	103E							
B34	Window Caulking	Metal casing to Metal sill		1	102 Classroom							
B34	Window Caulking	Metal to Metal		1	104 IT Area						27	
B34	Window Caulking	Metal to Metal		1	114 & 114A							

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B34	Window Caulking	Metal to Metal		1	Lobby/ East Hall and Stair							
B34	Window Caulking	Metal to Metal		1	105 Principal's Office							
B34	Window Caulking	Metal to Metal		2	200							
B34	Window Caulking	Metal to Metal		2	201							
B34	Window Caulking	Metal to Metal		2	202						100	
B34	Window Caulking	Metal to Metal		2	204							
B34	Window Caulking	Metal to Metal		2	206							
B34	Window Caulking	Metal to Metal		2	208							
B34	Window Caulking	Metal to Metal		2	209						110	
B34	Window Caulking	Metal to Metal		2	212							
B35	Thermal System Insulation	Mudded Pipe Joint Insulation		1	5 Rooms			0				
B35	Thermal System Insulation	Mudded Pipe Joint Insulation		1	101							
B35	Thermal System Insulation	Mudded Pipe Joint Insulation		1	101E Hall Closet							
B35	Thermal System Insulation	Mudded Pipe Joint Insulation		1	101F							
B35	Thermal System Insulation	Mudded Pipe Joint Insulation		1	102 Math lab, off Library							
B35	Thermal System Insulation	Mudded Pipe Joint Insulation		1	103 Library						100	
B36	Grout	Associated with ceramic wall tile		Multiple	6 Rooms	1585	sq. ft.	0	Varies	402/406		Not Mastic
B36	Grout	associated with ceramic wall tile 4" gray/yellow		1	101B Bathrooms	234	sq. ft.		throughout	402/406		
B36	Grout	associated with ceramic wall tile 4" gray/yellow		1	101C Bathrooms	234	sq. ft.		throughout	402/406		
B36	Grout	associated with ceramic wall tile 4" gray		1	106 Bathroom	540	sq. ft.		Throughout Bathroom	402/406		
B36	Grout	associated with ceramic wall tile 4" gray		1	110 Bathroom	540	sq. ft.		Throughout Bathroom	402/406		
B36	Grout	associated with ceramic wall tile 4" gray		1	108 & 108A	21	sq. ft.		north wall	402/406		
B36	Grout	associated with ceramic wall tile 4" gray		2	211	16	sq. ft.		at south wall	402/406		
B37	Adhesive	Associated with B36		Multiple	6 Rooms	1585	sq. ft.	3	Varies	402/406		
B37	Adhesive	associated with B36		1	101B Bathrooms	234	sq. ft.	1	throughout	402/406		
B37	Adhesive	associated with B36		1	101C Bathrooms	234	sq. ft.		throughout	402/406		
B37	Adhesive	associated with B36		1	106 Bathroom	540	sq. ft.	1	Throughout Bathroom	402/406		
B37	Adhesive	associated with B36		1	110 Bathroom	540	sq. ft.		Throughout Bathroom	402/406		
B37	Adhesive	associated with B36		1	108 & 108A	21	sq. ft.		north wall	402/406		
B37	Adhesive	associated with B36		2	211	16	sq. ft.	1	at south wall	402/406		
B38	Grout	Associated with ceramic floor tile, 1" gray/yellow		1	4 Rooms	496	sq. ft.	0	Varies	404		Not mastic
B38	Grout	associated with ceramic floor tile 1" gray/yellow		1	101B Bathrooms	38	sq. ft.		throughout	404		

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B38	Grout	associated with ceramic floor tile 1" gray/yellow		1	101C Bathrooms	38	sq. ft.		throughout	404		
B38	Grout	associated with ceramic floor tile 1" gray		1	106 Bathroom	210	sq. ft.		Throughout Bathroom	404		
B38	Grout	associated with ceramic floor tile 1" gray		1	110 Bathroom	210	sq. ft.		Throughout Bathroom	404		
B39	Adhesive	associated with B38		1	4 Rooms	496	sq. ft.	3	Varies	404		
B39	Adhesive	associated with B38		1	101B Bathrooms	38	sq. ft.	1	throughout	404		
B39	Adhesive	associated with B38		1	101C Bathrooms	38	sq. ft.		throughout	404		
B39	Adhesive	associated with B38		1	106 Bathroom	210	sq. ft.	1	Throughout Bathroom	404		
B39	Adhesive	associated with B38		1	110 Bathroom	210	sq. ft.	1	Throughout Bathroom	404		
B42	Composite	of B40 and B41		1	3 Rooms			0				
B42	Composite	of B40 and B41		1	103 Library						47	
B42	Composite	of B40 and B41		1	104 IT Area						27	
B42	Composite	of B40 and B41		1	114 & 114A							
B43	Adhesive	Associated with Chalkboard/Blackboard/Bulletin Boards		Multiple	5 Rooms	8	sq. ft.	3		5126/5144		Assumed asbestos
B43	Adhesive	associated with Chalkboard/Blackboard/Bulletin Boards		1	102 Math lab, off Library	8	sq. ft.	1	north wall	5126/5144		
B43	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	201	-				5126/5144		
B43	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	202	-		1		5126/5144	100	
B43	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	204	-				5126/5144		
B43	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	206	-		1		5126/5144		
B44	Adhesive	Associated with Chalkboard/Blackboard/Bulletin Boards		1	1 Rooms			2		422		
B44	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		1	102 Classroom	-		2		422		
B45	Sink Undercoating		White	1	1 Room	3	sq. ft.	2		398		
B45	Sink Undercoating		white	1	103A	3	sq. ft.	2		393		
B46	Suspended Ceiling Tile	2' x 2' Pock and Pinholes		1	2 Rooms	615	sq. ft.	2	Throughout	374		
B46	Suspended Ceiling Tile	2' x 2' Pock and Pinholes		1	114 & 114A	379	sq. ft.	1	Throughout	374		
B46	Suspended Ceiling Tile	2' x 2' Pock and Pinholes		1	105 Principal's Office	236	sq. ft.	1	Throughout	374		
B48	Carpet Mastic	tweed carpet, blue and green		1	2 Rooms	344	sq. ft.	2	Varies	358		
B48	Carpet Mastic	tweed carpet, blue and green		1	114 & 114A	108	sq. ft.	1	Throughout 114A	358		
B48	Carpet Mastic	tweed carpet, blue and green		1	105 Principal's Office	236	sq. ft.	1	Throughout, except closet	358		
B49	Stair Tread Material	Blue with Raised Circles		1	Lobby/ East Hall and Stair	140		0		368		Only test mastic for PCBs at this time
B50	Adhesive	associated with B49		1	Lobby/ East Hall and Stair	140		2		368		
B51	Stair Riser Material	Light Blue 6" Covebase		1	Lobby/ East Hall and Stair	140		0		368		Only test mastic for PCBs at this time
B52	Adhesive	associated with B51		1	Lobby/ East Hall and Stair	140		2		368		

Building B - Proposed Build Material Sampling Summary

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B53	Vinyl Floor Tile	12" x 12" Shades of Cream Mottled		1	Lobby/ East Hall and Stair	164		0	at elevator	365		Only test mastic for PCBs at this time
B54	Mastic	associated with B53		1	Lobby/ East Hall and Stair	164		2	at elevator	365		
B55	Grout	associated with ceramic wall tile, 1"x2" gray		Multiple	3 Rooms	180	sq. ft.	0	Varies	379/5120		Not mastic
B55	Grout	associated with ceramic wall tile, 1"x2" gray		1	102 Classroom	30	sq. ft.			379/5120		
B55	Grout	associated with ceramic wall tile 1" x 2" gray		1	Lobby/ East Hall and Stair	108	sq. ft.		at stairs above mid landing	379/5120		
B55	Grout	associated with ceramic tile 1" x 2" gray		2	Hallway	42	sq. ft.		at water fountain, west end	379/5120		
B56	Adhesive	associated with A55		Multiple	3 Rooms	180	sq. ft.	3	Varies	379/5120		
B56	Adhesive	associated with A55		1	102 Classroom	30	sq. ft.	1		379/5120		
B56	Adhesive	associated with B55		1	Lobby/ East Hall and Stair	108	sq. ft.	1	at stairs above mid landing	379/5120		
B56	Adhesive	associated with B55		2	Hallway	42	sq. ft.	1	at water fountain, west end	379/5120		
B57	Adhesve	associated with lockers		2	2 Rooms			2		5118		Assumes asbestos
B57	Adhesive	associated with lockers		2	Hallway	-		1		5118		
B57	Adhesive	associated with lockers		2	Hallway	-		1		5118		
B58	Adhesive	associated with counter		2	6 Rooms			3		5123		Assumed asbestos
B58	Adhesive	associated with counter		2	201	-				5123		
B58	Adhesive	associated with counter		2	202	-		1		5111	100	
B58	Adhesive	associated with counter		2	204	-				5133		
B58	Adhesive	associated with counter		2	206	-		1		5137		
B58	Adhesive	associated with counter		2	208	-				5143		
B58	Adhesive	associated with counter		2	209	-		1		5148	110	
B60	Covebase	6" Black		2	209	35	sq. ft.	0	Throughout	5149	110	Only test mastic for PCBs at this time
B61	Adhesive	associated with B60		2	209	35	sq. ft.	2	Throughout	5149	110	
B62	Vinyl Floor Tile	12" x 12" White with Cream, Brown, Blue/Green		2	209	646	sq. ft.	0	Throughout	5150	110	Only test mastic for PCBs at this time
B63	Mastic	associated with B62		2	209	646	sq. ft.	2	Throughout	5150	110	
B64	Stair Tread Material	Dark Brown with Raised Diamonds		2	Library Balcony	48	sq. ft.	0	stairs down to library	5145		Only test mastic for PCBs at this time
B65	Adhesive	associated with B64		2	Library Balcony	48	sq. ft.	2	stairs down to library	5145		
B66	Stair Riser Material	associated with B64		2	Library Balcony	48	sq. ft.	0	stairs down to library	5145		Only test mastic for PCBs at this time
B68	Vinyl Floor Tile	9" x 9" Tan with Brown and White		2	4 Rooms	1299	sq. ft.	0	Varies	5096		Only test mastic for PCBs at this time
B68	Vinyl Floor Tile	9" x 9" Tan with Brown and White		2	200	442	sq. ft.		Throughout	5096		
B68	Vinyl Floor Tile	9" x 9" Tan with Brown and White		2	200B	64	sq. ft.		Throughout	5096		
B68	Vinyl Floor Tile	9" x 9" Tan with Brown and White		2	200C	64	sq. ft.		Throughout	5096		
B68	Vinyl Floor Tile	9" x 9" Tan with Brown and White		2	202	729	sq. ft.		west section	5096	100	

Building B - Proposed Build Material Sampling Summary

Homogenous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Intial Air Sampling - September 2020 Results (ng/m^3)	Comments
B69	Mastic	associated with B68		2	4 Rooms	1299	sq. ft.	3	Varies	5096		
B69	Mastic	associated with B68		2	200	442	sq. ft.	1	Throughout	5096		
B69	Mastic	associated with B68		2	200B	64	sq. ft.	1	Throughout	5096		
B69	Mastic	associated with B68		2	200C	64	sq. ft.		Throughout	5096		
B69	Mastic	associated with B68		2	202	729	sq. ft.	1	west section	5096	100	
B72	Transite Hardboard	Fume Hood/Cabinet		2	200			0				
B73	Adhesive	associated with Student Clay Tile		2	200	98	sq. ft.	2	at south and west walls	5098		
B75	Window Glazing	associated with reinforced glass at doors		Multiple	5 Rooms			0				Previosuly Sampled - PCB B75A
B75	Window Glazing	associated with reinforced glass at doors		1	101	-						
B75	Window Glazing	associated with reinforced glass at doors		1	103 Library	-					47	
B75	Window Glazing	associated with reinforced glass at doors		1	102 Classroom	-						
B75	Window Glazing	associated with reinfored glass at doors		1	Lobby/ East Hall and Stair	-						
B75	Window Glazing	associated with reinforced glass at doors		2	Hallway	-						
								103 Samples				

=Denotes material type
= Denotes proposed sample location

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D05	Roof Deck Material	Acoustical Roof Deck Material		2	12 Rooms		sq. ft.	0				
D05	Roof Deck Material	Acoustical Roof Deck Material		2	208A							
D05	Roof Deck Material	Acoustical Roof Deck Material		2	208D							
D05	Roof Deck Material	Acoustical Roof Deck Material		2	206						82	
D05	Roof Deck Material	Acoustical Roof Deck Material		2	204							
D05	Roof Deck Material	Acoustical Roof Deck Material		2	202							
D05	Roof Deck Material	Acoustical Roof Deck Material		2	200						140	
D05	Roof Deck Material	Acoustical Roof Deck Material		2	201							
D05	Roof Deck Material	Acoustical Roof Deck Material		2	203						89	
D05	Roof Deck Material	Acoustical Roof Deck Material		2	205							
D05	Roof Deck Material	Acoustical Roof Deck Material		2	205A							
D05	Roof Deck Material	Acoustical Roof Deck Material		2	205B							
D05	Roof Deck Material	Acoustical Roof Deck Material		2	207							
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		Multiple	23 Rooms	4533	sq. ft.	12				
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	Hallway	456	sq. ft.	1		500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	208	24	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	208E	141	sq. ft.	1		500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	206	48	sq. ft.	1		500/524	82	
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	204B	48	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	202	38	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	200	38	sq. ft.	1		500/524	140	
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	201	68	sq. ft.	1		500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	203	38	sq. ft.	1		500/524	89	
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	205	38	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	209	52	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	East Stairs	173	sq. ft.	1		500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1 & 2	West Stairs	322	sq. ft.	1		500/524		

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	109	40	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	106	952	sq. ft.	1		500/524	300	
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	108	44	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	104B	77	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	104A	153	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	104	244	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	102	1008	sq. ft.	1		500/524	150	
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	102A	43	sq. ft.			500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	102B	146	sq. ft.	1		500/524		
D08	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	Hallway	342	sq. ft.	1		500/524		
D09	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		Multiple	7 Rooms	1323	sq. ft.	3				
D09	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		2	Hallway	456	sq. ft.	1		450		
D09	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		2	208	24	sq. ft.			450		
D09	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		2	East Stairs	173	sq. ft.	1		450		
D09	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		1	109	40	sq. ft.			450		
D09	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		1	108	44	sq. ft.	1		450		
D09	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		1	104	244	sq. ft.			450		
D09	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		1	Hallway	342	sq. ft.			450		
D10	Suspended Ceiling Tile	2' x 2' Long Fissures and Pinholes		Multiple	6 Rooms	1283	sq. ft.	3				
D10	Suspended Ceiling Tile	2' x 2' Long Fissures and Pinholes		2	Hallway	456	sq. ft.	1		-		
D10	Suspended Ceiling Tile	2' x 2' Long Fissures and Pinholes		2	208	24	sq. ft.			-		
D10	Suspended Ceiling Tile	2' x 2' Long Fissures and Pinholes		2	East Stairs	173	sq. ft.	1		-		
D10	Suspended Ceiling Tile	2' x 2' Long Fissures and Pinholes		1	108	44	sq. ft.	1		-		
D10	Suspended Ceiling Tile	2' x 2' Long Fissures and Pinholes		1	104	244	sq. ft.			-		
D10	Suspended Ceiling Tile	2' x 2' Long Fissures and Pinholes		1	Hallway	342	sq. ft.			-		
D11	Covebase	4" Black (original)		Multiple	22 Rooms	450	sq. ft.	0				Only test mastic for PCBs at this time.
D11	Covebase	4" Black (original)		2	208	13	sq. ft.			464/533		

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D11	Covebase	4" Black (original)		2	208A	8	sq. ft.			464/533		
D11	Covebase	4" Black (original)		2	208D	7	sq. ft.			464/533		
D11	Covebase	4" Black (original)		2	208E	16	sq. ft.			464/533		
D11	Covebase	4" Black (original)		2	204	34	sq. ft.			464/533		
D11	Covebase	4" Black (original)		2	204B	9	sq. ft.			464/533		
D11	Covebase	4" Black (original)		2	202	36	sq. ft.			464/533		
D11	Covebase	4" Black (original)		2	200	36	sq. ft.			464/533	140	
D11	Covebase	4" Black (original)		2	203	39	sq. ft.			464/533	89	
D11	Covebase	4" Black (original)		2	205	40	sq. ft.			464/533		
D11	Covebase	4" Black (original)		2	205A	14	sq. ft.			464/533		
D11	Covebase	4" Black (original)		2	205B	14	sq. ft.			464/533		
D11	Covebase	4" Black (original)		1 & 2	West Stairs	2	sq. ft.			464/533		
D11	Covebase	4" Black (original)		1	109	14	sq. ft.			464/533		
D11	Covebase	4" Black (original)		1	107	9	sq. ft.			464/533		
D11	Covebase	4" Black (original)		1	107A	17	sq. ft.			464/533		
D11	Covebase	4" Black (original)		1	104B	12	sq. ft.			464/533		
D11	Covebase	4" Black (original)		1	104A	19	sq. ft.			464/533		
D11	Covebase	4" Black (original)		1	104	40	sq. ft.			464/533		
D11	Covebase	4" Black (original)		1	102	43	sq. ft.			464/533	150	
D11	Covebase	4" Black (original)		1	102A	12	sq. ft.			464/533		
D11	Covebase	4" Black (original)		1	102B	16	sq. ft.			464/533		
D12	Adhesive	associated with D11		Multiple	22 Rooms	450	sq. ft.	3				
D12	Adhesive	associated with D11		2	208	13	sq. ft.			464/533		
D12	Adhesive	associated with D11		2	208A	8	sq. ft.			464/533		
D12	Adhesive	associated with D11		2	208D	7	sq. ft.			464/533		
D12	Adhesive	associated with D11		2	208E	16	sq. ft.			464/533		
D12	Adhesive	associated with D11		2	204	34	sq. ft.			464/533		

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D12	Adhesive	associated with D11		2	204B	9	sq. ft.			464/533		
D12	Adhesive	associated with D11		2	202	36	sq. ft.			464/533		
D12	Adhesive	associated with D11		2	200	36	sq. ft.	1		464/533	140	
D12	Adhesive	associated with D11		2	203	39	sq. ft.	1		464/533	89	
D12	Adhesive	associated with D11		2	205	40	sq. ft.			464/533		
D12	Adhesive	associated with D11		2	205A	14	sq. ft.			464/533		
D12	Adhesive	associated with D11		2	205B	14	sq. ft.			464/533		
D12	Adhesive	associated with D11		1 & 2	West Stairs	2	sq. ft.			464/533		
D12	Adhesive	associated with D11		1	109	14	sq. ft.			464/533		
D12	Adhesive	associated with D11		1	107	9	sq. ft.			464/533		
D12	Adhesive	associated with D11		1	107A	17	sq. ft.			464/533		
D12	Adhesive	associated with D11		1	104B	12	sq. ft.			464/533		
D12	Adhesive	associated with D11		1	104A	19	sq. ft.			464/533		
D12	Adhesive	associated with D11		1	104	40	sq. ft.			464/533		
D12	Adhesive	associated with D11		1	102	43	sq. ft.	1		464/533	150	
D12	Adhesive	associated with D11		1	102A	12	sq. ft.			464/533		
D12	Adhesive	associated with D11		1	102B	16	sq. ft.			464/533		
D13	Plaster	-		Multiple	33 Rooms		sq. ft.	0				
D13	Plaster	-		2	Hallway		sq. ft.					
D13	Plaster	-		2	208		sq. ft.					
D13	Plaster	-		2	208B		sq. ft.					
D13	Plaster	-		2	208C		sq. ft.					
D13	Plaster	-		2	208A		sq. ft.					
D13	Plaster	-		2	208D		sq. ft.					
D13	Plaster	-		2	208E		sq. ft.					
D13	Plaster	-		2	206		sq. ft.				82	
D13	Plaster	-		2	204		sq. ft.					

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D13	Plaster	-		2	204B		sq. ft.					
D13	Plaster	-		2	202		sq. ft.					
D13	Plaster	-		2	200		sq. ft.				140	
D13	Plaster	-		2	201		sq. ft.					
D13	Plaster	-		2	203		sq. ft.				89	
D13	Plaster	-		2	205A		sq. ft.					
D13	Plaster	-		2	205B		sq. ft.					
D13	Plaster	-		2	207		sq. ft.					
D13	Plaster	-		2	209		sq. ft.					
D13	Plaster	-	off-white	2	209A		sq. ft.					
D13	Plaster	-		1 & 2	West Stairs		sq. ft.					
D13	Plaster	-		1	109		sq. ft.					
D13	Plaster	-		1	109A		sq. ft.					
D13	Plaster	-		1	107		sq. ft.					
D13	Plaster	-		1	107B		sq. ft.					
D13	Plaster	-		1	107A		sq. ft.					
D13	Plaster	-		1	104B		sq. ft.					
D13	Plaster	-		1	104A		sq. ft.					
D13	Plaster	-		1	104		sq. ft.					
D13	Plaster	-		1	102		sq. ft.				150	
D13	Plaster	-		1	102A		sq. ft.					
D13	Plaster	-		1	102B		sq. ft.					
D13	Plaster	-		1	101		sq. ft.					
D13	Plaster	-		1	Hallway		sq. ft.					
D14	Gypsum Wall Board	-		Multiple	15 Rooms	-	sq. ft.	0				
D14	Gypsum Wall Board	-		2	Hallway		sq. ft.		above lockers			
D14	Gypsum Wall Board	-		2	208		sq. ft.					

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D14	Gypsum Wall Board	-		2	206		sq. ft.				82	
D14	Gypsum Wall Board	-		2	204		sq. ft.					
D14	Gypsum Wall Board	-		2	202		sq. ft.					
D14	Gypsum Wall Board	-		2	200		sq. ft.				140	
D14	Gypsum Wall Board	-		2	201		sq. ft.					
D14	Gypsum Wall Board	-		2	203		sq. ft.				89	
D14	Gypsum Wall Board	-		2	205A		sq. ft.					
D14	Gypsum Wall Board	-		2	205B		sq. ft.					
D14	Gypsum Wall Board	-		1	106		sq. ft.				300	
D14	Gypsum Wall Board	-		1	108		sq. ft.					
D14	Gypsum Wall Board	-		1	102		sq. ft.				150	
D14	Gypsum Wall Board	-		1	101		sq. ft.					
D14	Gypsum Wall Board	-		1	Hallway		sq. ft.		above lockers			
D15	Joint Compound	-		Multiple	15 Rooms	-	sq. ft.	0				
D15	Joint Compound	-		2	Hallway		sq. ft.					
D15	Joint Compound	-		2	208		sq. ft.					
D15	Joint Compound	-		2	206		sq. ft.				82	
D15	Joint Compound	-		2	204		sq. ft.					
D15	Joint Compound	-		2	202		sq. ft.					
D15	Joint Compound	-		2	200		sq. ft.				140	
D15	Joint Compound	-		2	201		sq. ft.					
D15	Joint Compound	-		2	203		sq. ft.				89	
D15	Joint Compound	-		2	205A		sq. ft.					
D15	Joint Compound	-		2	205B		sq. ft.					
D15	Joint Compound	-		1	106		sq. ft.				300	
D15	Joint Compound	-		1	108		sq. ft.					
D15	Joint Compound	-		1	102		sq. ft.				150	

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D15	Joint Compound	-		1	101		sq. ft.					
D15	Joint Compound	-		1	Hallway		sq. ft.					
D16	Composite	of D14 and D15		Multiple	15 Rooms	0	sq. ft.	0				
D16	Composite	of D14 and D15		2	Hallway		sq. ft.					
D16	Composite	of D14 and D15		2	208		sq. ft.					
D16	Composite	of D14 and D15		2	206		sq. ft.				82	
D16	Composite	of D14 and D15		2	204		sq. ft.					
D16	Composite	of D14 and D15		2	202		sq. ft.					
D16	Composite	of D14 and D15		2	200		sq. ft.				140	
D16	Composite	of D14 and D15		2	201		sq. ft.					
D16	Composite	of D14 and D15		2	203		sq. ft.				89	
D16	Composite	of D14 and D15		2	205A		sq. ft.					
D16	Composite	of D14 and D15		2	205B		sq. ft.					
D16	Composite	of D14 and D15		1	106		sq. ft.				300	
D16	Composite	of D14 and D15		1	108		sq. ft.					
D16	Composite	of D14 and D15		1	102		sq. ft.				150	
D16	Composite	of D14 and D15		1	101		sq. ft.					
D16	Composite	of D14 and D15		1	Hallway		sq. ft.					
D17	Grout	associated with ceramic wall tile 1" x 2" tan	white	2	1 Room	21	sq. ft.	0				Not mastic
D17	Grout	associated with ceramic wall tile 1" x 2" tan	white	2	Hallway	21	sq. ft.		at water fountain	5092		
D18	Adhesive	associated with D17		2	1 Room	21	sq. ft.	2				*
D18	Adhesive	associated with D17		2	Hallway	21	sq. ft.	2	at water fountain	5092		
D19	Vinyl Floor Tile	9" x 9" red with black and white streaks		2	4 Rooms	277	sq. ft.	0				Only test mastic for PCBs at this time.
D19	Vinyl Floor Tile	9" x 9" red with black and white streaks		2	208	70	sq. ft.			534		
D19	Vinyl Floor Tile	9" x 9" red with black and white streaks		2	208A	31	sq. ft.			534		
D19	Vinyl Floor Tile	9" x 9" red with black and white streaks		2	208D	35	sq. ft.			534		
D19	Vinyl Floor Tile	9" x 9" red with black and white streaks		2	208E	141	sq. ft.			534		

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D20	Mastic	associated with D19		2	4 Rooms	277	sq. ft.	3				
D20	Mastic	associated with D19		2	208	70	sq. ft.	1		534		
D20	Mastic	associated with D19		2	208A	31	sq. ft.			534		
D20	Mastic	associated with D19		2	208D	35	sq. ft.	1		534		
D20	Mastic	associated with D19		2	208E	141	sq. ft.	1		534		
D23	Vinyl Floor Tile	12" x 12" shades of white		Multiple	4 Rooms	2250	sq. ft.	0				Only test mastic for PCBs at this time.
D23	Vinyl Floor Tile	12" x 12" shades of white		2	Hallway	686	sq. ft.			525/5091		
D23	Vinyl Floor Tile	12" x 12" white		2	206	826	sq. ft.			525/5091	82	
D23	Vinyl Floor Tile	12" x 12" white		2	209	52	sq. ft.			525/5091		
D23	Vinyl Floor Tile	12" x 12" white		1	Hallway	686	sq. ft.			525/5091		
D24	Mastic	Mastic associated with 12" x 12" shades of white		Multiple	4 Rooms	3622	sq. ft.	3				
D24	Mastic	associated with D23		2	Hallway	1372	sq. ft.	1		525/5091		
D24	Mastic	associated with D23		2	206	826	sq. ft.	1		525/5091	82	
D24	Mastic	associated with D23		2	209	52	sq. ft.			525/5091		
D24	Mastic	associated with D23 and D25		1	Hallway	1372	sq. ft.	1		525/5091		
D25	Vinyl Floor Tile	12" x 12" blue		Multiple	2 Rooms	1372	sq. ft.	0				Only test mastic for PCBs at this time.
D25	Vinyl Floor Tile	12" x 12" blue		2	Hallway	686	sq. ft.			525/5091		
D25	Vinyl Floor Tile	12" x 12" Blue		1	Hallway	686	sq. ft.			525/5091		
D26	Grout	associated with ceramic floor tile 1" Gray/Brown		Multiple	4 Rooms	465	sq. ft.	0				Not mastic
D26	Grout	associated with ceramic floor tile 1" Gray/Brown		2	208B	30	sq. ft.			466		
D26	Grout	associated with ceramic floor tile 1" Gray/Brown		2	208C	27	sq. ft.			466		
D26	Grout	associated with ceramic floor tile 1" Gray/Brown		2	209A	198	sq. ft.			466		
D26	Grout	associated with ceramic floor tile 1" Gray/Brown		1	109A	210	sq. ft.			466		
D27	Adehisve/Mortar Bed	associated with D26		Multiple	4 Rooms	465	sq. ft.	3				Not mastic
D27	Adehisve/Mortar Bed	associated with D26		2	208B	30	sq. ft.	1		466		
D27	Adehisve/Mortar Bed	associated with D26		2	208C	27	sq. ft.			466		
D27	Adehisve/Mortar Bed	associated with D26		2	209A	198	sq. ft.	1		466		

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D27	Adehisve/Mortar Bed	associated with D26		1	109A	210	sq. ft.	1		466		
D28	Glazing (formerly Caulking)	associated with Reinforced Glass Black (doors)		Multiple	5 Rooms		sq. ft.	0				Previously Sampled - PCB D28A *
D28	Glazing (formerly Caulking)	associated with Reinforced Glass Black (doors)		2	Hallway	-	sq. ft.			455		
D28	Glazing (formerly Caulking)	associated with Reinforced Glass, Black (Doors)		2	208		sq. ft.			455		
D28	Glazing	associated with Reinforced Glass Black (doors)		1	East Stairs		sq. ft.			455		
D28	Glazing	associated with Reinforced Glass Black (doors)		1 & 2	West Stairs	-	sq. ft.			455		
D28	Glazing (formerly Caulking)	associated with Reinforced Glass Black (doors)		1	Hallway		sq. ft.			455		
D29	Window Caulking	CMU to Metal	tan	Multiple	14 Rooms		sq. ft.	0				Previously Sampled - PCB D29A
D29	Window Caulking	CMU to Metal	tan	2	208E		sq. ft.					
D29	Window Caulking	CMU to Metal	tan	2	206		sq. ft.				82	
D29	Window Caulking	CMU to Metal	tan	2	204		sq. ft.					
D29	Window Caulking	CMU to Metal	tan	2	202		sq. ft.					
D29	Window Caulking	CMU to Metal	tan	2	200		sq. ft.				140	
D29	Window Caulking	CMU to Metal	tan	2	201		sq. ft.					
D29	Window Caulking	CMU to Metal	tan	2	203		sq. ft.				89	
D29	Window Caulking	CMU to Metal	tan	2	205		sq. ft.					
D29	Window Caulking	CMU to Metal	tan	2	205A		sq. ft.					
D29	Window Caulking	CMU to Metal	tan	1	106		sq. ft.				300	
D29	Window Caulking	CMU to Metal	tan	1	108		sq. ft.					
D29	Window Caulking	CMU to Metal	tan	1	104		sq. ft.					
D29	Window Caulking	CMU to Metal	tan	1	102		sq. ft.				150	
D29	Window Caulking	CMU to Metal	tan	1	101		sq. ft.					
D30	Window Caulking	Metal Casing to Metal Sill	tan	Multiple	14 Rooms		sq. ft.	0				Previously Sampled - PCB D30A
D30	Window Caulking	Metal Casing to Metal Sill	tan	2	208E							
D30	Window Caulking	Metal Casing to Metal Sill	tan	2	206						82	
D30	Window Caulking	Metal Casing to Metal Sill	tan	2	204							
D30	Window Caulking	Metal Casing to Metal Sill	tan	2	202							

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D30	Window Caulking	Metal Casing to Metal Sill	tan	2	200						140	
D30	Window Caulking	Metal Casing to Metal Sill	tan	2	201							
D30	Window Caulking	Metal Casing to Metal Sill	tan	2	203						89	
D30	Window Caulking	Metal Casing to Metal Sill	tan	2	205							
D30	Window Caulking	Metal Casing to Metal Sill	tan	2	205A							
D30	Window Caulking	Metal Casing to Metal Sill	tan	1	106						300	
D30	Window Caulking	Metal Casing to Metal Sill	tan	1	108							
D30	Window Caulking	Metal Casing to Metal Sill	tan	1	104							
D30	Window Caulking	Metal Casing to Metal Sill	tan	1	102						150	
D30	Window Caulking	Metal Casing to Metal Sill	tan	1	101							
D31	Adhesive	associated with counter top		Multiple	13 Rooms		sq. ft.	7				Assumed asbestos
D31	Adhesive	associated with counter top		2	206	-		1		551	82	
D31	Adhesive	associated with counter top		2	204	-		1		565		
D31	Adhesive	associated with counter top		2	204B	-				562		
D31	Adhesive	associated with counter top		2	202	-				584		
D31	Adhesive	associated with counter top		2	203	-		1		-	89	
D31	Adhesive	associated with counter top		2	205	-				569		
D31	Adhesive	associated with counter top		1	106	-		1		505	300	
D31	Adhesive	associated with counter top		1	104B	-				497		
D31	Adhesive	associated with counter top		1	104A	-				494		
D31	Adhesive	associated with counter top		1	104	-		1		-		
D31	Adhesive	associated with counter top		2	208	-		1		508		
D31	Adhesive	associated with counter top		1	102A			1		486		
D31	Adhesive	associated with counter top		1	102B					487		
D32	Sink Undercoating	1 sink	tan	Multiple	4 Rooms	12	sq. ft.	2				Limited material
D32	Sink Undercoating	1 sink	tan	2	206	3	sq. ft.	1		553	82	
D32	Sink Undercoating	1 sink	tan	2	204B	3	sq. ft.			564		

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D32	Sink Undercoating	1 sink	tan	2	205	3	sq. ft.			569		
D32	Sink Undercoating	1 sink	tan	1	102B	3	sq. ft.	1		488		
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		Multiple	12 Rooms	5011	sq. ft.	0				Only test mastic at this time. *
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		2	204	602	sq. ft.			463		
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		2	204B	48	sq. ft.			463		
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		2	202	708	sq. ft.			463		
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		2	200	702	sq. ft.			463	140	
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		2	203	817	sq. ft.			463	89	
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		2	205	876	sq. ft.			463		
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		2	205A	110	sq. ft.			463		
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		2	205B	114	sq. ft.			463		
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		1	109	80	sq. ft.			463		
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		1	102A	86	sq. ft.			463		
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		1	102B	146	sq. ft.			463		
D33	Vinyl Floor Tile	9" x 9" Olive/Grey with White Streaks		1	101	722	sq. ft.			463		
D34	Mastic	associated with D33		Multiple	12 Rooms	5011	sq. ft.	6				
D34	Mastic	associated with D33		2	204	602	sq. ft.	1		463		
D34	Mastic	associated with D33		2	204B	48	sq. ft.			463		
D34	Mastic	associated with D33		2	202	708	sq. ft.			463		
D34	Mastic	associated with D33		2	200	702	sq. ft.	1		463	140	
D34	Mastic	associated with D33		2	203	817	sq. ft.	1		463	89	
D34	Mastic	associated with D33		2	205	876	sq. ft.			463		
D34	Mastic	associated with D33		2	205A	110	sq. ft.			463		
D34	Mastic	associated with D33		2	205B	114	sq. ft.			463		
D34	Mastic	associated with D33		1	109	80	sq. ft.	1		463		
D34	Mastic	associated with D33		1	102A	86	sq. ft.			463		
D34	Mastic	associated with D33		1	102B	146	sq. ft.	1		463		

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D34	Mastic	associated with D33		1	101	722	sq. ft.	1		463		
D36	Fire Stop Caulking		red	Multiple	2 Rooms		sq. ft.	0				Post 1980
D36	Fire Stop Caulking		red	2	200						140	
D36	Fire Stop Caulking		red	1	107A							
D37	Suspended Ceiling Tile	2' X 2' Small Fissures and Pinholes		Multiple	3 Rooms	808	sq. ft.	3				
D37	Suspended Ceiling Tile	2' X 2' Small Fissures and Pinholes		2	East Stairs	173	sq. ft.	1		450		
D37	Suspended Ceiling Tile	2' X 2' Small Fissures and Pinholes		1	East Stairs	566	sq. ft.	1		450		
D37	Suspended Ceiling Tile	2' X 2' Small Fissures and Pinholes		1	110	69	sq. ft.	1		450		
D38	Covebase (formerly Baseboard)	4" Black (newer)		Multiple	10 Rooms	460	sq. ft.	0				Only test mastic for PCBs at this time.
D38	Covebase (formerly Baseboard)	4" Black (newer)		2	Hallway	98	sq. ft.			452/501/525		
D38	Covebase (formerly Baseboard)	4" Black (newer)		2	206	39	sq. ft.			452/501/525	82	
D38	Covebase (formerly Baseboard)	4" Black (newer)		2	201	45	sq. ft.			452/501/525		
D38	Covebase (formerly Baseboard)	4" Black (newer)		2	209	10	sq. ft.			452/501/525		
D38	Covebase (formerly Baseboard)	4" Black (newer)		2	East Stairs	38	sq. ft.			452/501/525		
D38	Covebase (formerly Baseboard)	4" Black (newer)		1	East Stairs	39	sq. ft.			452/501/525		
D38	Covebase (formerly Baseboard)	4" Black (newer)		1	106	43	sq. ft.			452/501/525	300	
D38	Covebase (formerly Baseboard)	4" Black (newer)		1	108	16	sq. ft.			452/501/525		
D38	Covebase (formerly Baseboard)	4" Black (newer)		1	101	34	sq. ft.			452/501/525		
D38	Covebase (formerly Baseboard)	4" Black (newer)		1	Hallway	98	sq. ft.			452/501/525		
D39	Adhesive (formerly Mastic)	associated with D38		Multiple	10 Rooms	460	sq. ft.	3				
D39	Adhesive (formerly Mastic)	associated with D38		2	Hallway	98	sq. ft.	1		452/501/525		
D39	Adhesive (formerly Mastic)	associated with D38		2	206	39	sq. ft.	1		452/501/525	82	
D39	Adhesive (formerly Mastic)	associated with D38		2	201	45	sq. ft.			452/501/525		
D39	Adhesive (formerly Mastic)	associated with D38		2	209	10	sq. ft.			452/501/525		
D39	Adhesive (formerly Mastic)	associated with D38		2	East Stairs	38	sq. ft.			452/501/525		
D39	Adhesive (formerly Mastic)	associated with D38		1	East Stairs	39	sq. ft.			452/501/525		
D39	Adhesive (formerly Mastic)	associated with D38		1	106	43	sq. ft.	1		452/501/525	300	

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D39	Adhesive (formerly Mastic)	associated with D38		1	108	16	sq. ft.			452/501/525		
D39	Adhesive (formerly Mastic)	associated with D38		1	101	34	sq. ft.			452/501/525		
D39	Adhesive (formerly Mastic)	associated with D38		1	Hallway	98	sq. ft.			452/501/525		
D40	Vinyl Floor Tile	12" x 12" Green		2	1 Room	1059	sq. ft.	0				Only test mastic for PCBs at this time.
D40	Vinyl Floor Tile	12" x 12" Green		2	201	1059	sq. ft.			577		
D41	Mastic	associated with D40		2	1 Room	1059	sq. ft.	2				
D41	Mastic	associated with D40		2	201	1059	sq. ft.	2		577		
D42	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		1	4 Rooms	1971	sq. ft.	0				Only test mastic for PCBs at this time.
D42	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		1	104B	77	sq. ft.			482		
D42	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		1	104A	153	sq. ft.			482		
D42	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		1	104	733	sq. ft.			482		
D42	Vinyl Floor Tile	9" x 9" light gray with black and white streaks		1	102	1008	sq. ft.			482	150	
D43	Mastic	associated with D19		1	4 Rooms	1971	sq. ft.	3				
D43	Mastic	associated with D19		1	104B	77	sq. ft.			482		
D43	Mastic	associated with D19		1	104A	153	sq. ft.	1		482		
D43	Mastic	associated with D19		1	104	733	sq. ft.	1		482		
D43	Mastic	associated with D19		1	102	1008	sq. ft.	1		482	150	
D44	Window Caulking	Glass Pane to Metal Casing	Brown	Multiple	3 Rooms		sq. ft.	0				Previosuly Sampled - PCB D44A *
D44	Window Caulking	Glass Pane to Metal Casing	Brown	2	East Stairs					517		
D44	Window Caulking	Glass Pane to Metal Casing	Brown	1 & 2	West Stairs					5088		
D45	Grout	associated with ceramic wall tile 4" Gray/white/green	white	Multiple	4 Rooms	344	sq. ft.	0				Not mastic
D45	Grout	associated with ceramic wall tile 4" Gray/white/green	white	2	208B	156	sq. ft.			465/473/541		
D45	Grout	associated with ceramic wall tile 4" Gray/white/green	white	2	208C	156	sq. ft.			465/473/541		
D45	Grout	associated with ceramic wall tile 4" Gray/white/green	white	2	207	16	sq. ft.			465/473/541		
D45	Grout	associated with ceramic wall tile 4" Gray/white/green	white	1	107	16	sq. ft.			465/473/541		
D46	Adhesive	associated with D45		Multiple	4 Rooms	344	sq. ft.	3				
D46	Adhesive	associated with D45		2	208B	156	sq. ft.	1		465/473/541		

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D46	Adhesive	associated with D45		2	208C	156	sq. ft.	1		465/473/541		
D46	Adhesive	associated with D45		2	207	16	sq. ft.			465/473/541		
D46	Adhesive	associated with D45		1	107	16	sq. ft.	1		465/473/541		
D47	Grout	associated with ceramic wall tile 4" White	white	Multiple	2 Rooms	987	sq. ft.	0				Not mastic
D47	Grout	associated with ceramic wall tile 4" White	white	2	209A	456	sq. ft.			465		
D47	Grout	associated with ceramic wall tile 4" white	white	1	109A	531	sq. ft.			465		
D48	Adhesive	associated with D47		Multiple	2 Rooms	987	sq. ft.	2				
D48	Adhesive	associated with D47		2	209A	456	sq. ft.	1		465		
D48	Adhesive	associated with D47		1	109A	531	sq. ft.	1		465		
D49	Vinyl Floor Tile	12" x 12" White with Tan and Grey/Brown Specks		2	1 Room	285	sq. ft.	0				Only test mastic for PCBs at this time.
D49	Vinyl Floor Tile	12" x 12" White with Tan and Grey/Brown Specks		2	East Stairs	285	sq. ft.			519		
D50	Vinyl Floor Tile	12" x 12" Blue with Black and White Specks		2	1 Room	285	sq. ft.	0				Only test mastic for PCBs at this time.
D50	Vinyl Floor Tile	12" x 12" Blue with Black and White Specks		2	East Stairs	285	sq. ft.			520		
D51	Mastic	associated with D49 and D50		2	1 Room	570	sq. ft.	2				Limited material
D51	Mastic	associated with D49 and D50		2	East Stairs	570	sq. ft.	2		520		
D52	Grout	associated with ceramic wall tile 3" Green		Multiple	3 Rooms	423	sq. ft.	0				Not mastic
D52	Grout	associated with ceramic wall tile 3" Green		2	East Stairs	178	sq. ft.			451		
D52	Grout	associated with ceramic wall tile 3" Green		1	East Stairs	189	sq. ft.			451		
D52	Grout	associated with ceramic wall tile 3" Green		1	110	56	sq. ft.			451		
D53	Adhesive	associated with D52		Multiple	3 Rooms	423	sq. ft.	3				*
D53	Adhesive	associated with D52		2	East Stairs	178	sq. ft.	1		451		
D53	Adhesive	associated with D52		1	East Stairs	189	sq. ft.	1		451		
D53	Adhesive	associated with D52		1	110	56	sq. ft.	1		451		
D54	Caulking	Door/Window casing to brick		Multiple	5 Rooms		sq. ft.	0				Previosuly Sampled - PCB D54A, B
D54	Caulking	Door/Window casing to brick		2	East Stairs					517		
D54	Caulking	Door/Window casing to brick		1	East Stairs					517		
D54	Caulking	Door/Window casing to brick		1	East Stairs					517		

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D54	Caulking	Door/Window casing to brick		1	East Stairs					517		
D54	Caulking	Door/Window casing to brick		1 & 2	West Stairs					517		
D56	Stair Tread Material	Blue with Raised Circles		2	1 Room	126	sq. ft.	0				Only test mastic for PCBs at this time.
D56	Stair Tread Material	Blue with Raised Circles		2	East Stairs	126	sq. ft.			453		
D57	Stair Riser Material	6" Covebase teal/blue		2	1 Room	126	sq. ft.	0				Only test mastic for PCBs at this time.
D57	Stair Riser Material	6" Covebase teal/blue		2	East Stairs	126	sq. ft.			453		
D58	Stair Riser Material	Tan with Raised Circles		2	1 Room	36	sq. ft.	0				Only test mastic for PCBs at this time.
D58	Stair Landing Material	Tan with Raised Circles		2	East Stairs	36	sq. ft.			453		
D59	Adhesive	associated with D56, D57 and D58		2	1 Room	126	sq. ft.	2				Limited material
D59	Adhesive	associated with D56, D57 and D58		2	East Stairs	126	sq. ft.	2		453		
D60	Mastic	associated with carpet squares		1	1 Room	566	sq. ft.	2				Limited ,aterial
D60	Mastic	associated with carpet squares		1	East Stairs	566	sq. ft.	2		452		
D61	Stair Tread Material	Brown		Multiple	1 Room	122	sq. ft.	0				Only test mastic for PCBs at this time.
D61	Stair Tread Material	Brown		1 & 2	West Stairs	122	sq. ft.			5087		
D62	Adhesive	associated with D61		Multiple	1 Room	122	sq. ft.	2				
D62	Adhesive	associated with D61		1 & 2	West Stairs	122	sq. ft.	2		5087		
D63	Resilient Sheet Flooring	orange/red gravel pattern		Multiple	1 Room	286	sq. ft.	0				
D63	Resilient Sheet Flooring	orange/red gravel pattern		1 & 2	West Stairs	286	sq. ft.			5086		
D64	Adhesive	associated with D63		Multiple	1 Room	286	sq. ft.	2				Limited material*
D64	Adhesive	associated with D63		1 & 2	West Stairs	286	sq. ft.	2		5086		
D65	Vinyl Floor Tile	12" x 12" Cream with Brown, Rust and White		Multiple	1 Room	84	sq. ft.	0				Only test mastic for PCBs at this time. *
D65	Vinyl Floor Tile	12" x 12" Cream with Brown, Rust and White		1 & 2	West Stairs	84	sq. ft.		mid landing only	5087		
D66	Mastic	associated with D65		Multiple	1 Room	84	sq. ft.	2				*
D66	Mastic	associated with D65		1 & 2	West Stairs	84	sq. ft.	2	mid landing only	5087		
D67	Vinyl Floor Tile	9" x 9" Dark Grey with White Streaks		Multiple	1 Rooms	27	sq. ft.	0				Only test mastic for PCBs at this time. *
D67	Vinyl Floor Tile	9" x 9" Dark Grey with White Streaks		1 & 2	West Stairs	27	sq. ft.			-		
D68	Mastic	associated with D67		Multiple	1 Rooms	27	sq. ft.	2				Previosuly sampled

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D68	Mastic	associated with D67		1 & 2	West Stairs	27	sq. ft.	2		-		
D69	Covebase	4" Brown		Multiple	1 Rooms	2	sq. ft.	0				Only test mastic for PCBs at this time.
D69	Covebase	4" Brown		1 & 2	West Stairs	2	sq. ft.			5085		
D70	Adhesive	associated with D69		Multiple	1 Rooms	2	sq. ft.	2				
D70	Adhesive	associated with D69		1 & 2	West Stairs	2	sq. ft.	2		5085		
D71	Gypsum Wall Board (newer painted)	newer		Multiple	5 Rooms		sq. ft.	0				TBD
D71	Gypsum Wall Board (newer painted)	newer		2	East Stairs							
D71	Gypsum Wall Board (newer painted)	newer		1	East Stairs							
D71	Gypsum Wall Board	-		1	104B							
D71	Gypsum Wall Board	-		1	104A							
D71	Gypsum Wall Board	-		1	104							
D72	Joint Compound	-		Multiple	5 Rooms		sq. ft.	0				No samples at this time
D72	Joint Compound	-		2	East Stairs							
D72	Joint Compound	-		1	East Stairs							
D72	Joint Compound	-		1	104B							
D72	Joint Compound	-		1	104A							
D72	Joint Compound	-		1	104							
D73	Composite	of D71 and D72		Multiple	5 Rooms		sq. ft.	0				No samples at this time
D73	Composite	of D71 and D72		2	East Stairs							
D73	Composite	of D71 and D72		1	East Stairs							
D73	Composite	of D71 and D72		1	104B							
D73	Composite	of D71 and D72		1	104A							
D73	Composite	of D71 and D72		1	104							
D74	Vinyl Floor Tile	9" x 9" Light Gray with black and white markings		1	2 Rooms	1086	sq. ft.	0				Only test mastic for PCBs at this time. *
D74	Vinyl Floor Tile	9" x 9" Light Gray with black and white markings		1	106	952	sq. ft.			502	300	
D74	Vinyl Floor Tile	9" x 9" Light Gray with black and white markings		1	108	134	sq. ft.			502		
D75	Mastic	associated with D74		1	2 Rooms	1086	sq. ft.	2				

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D75	Mastic	associated with D74		1	106	952	sq. ft.	1		502	300	
D75	Mastic	associated with D74		1	108	134	sq. ft.	1		502		
D76	Sink Undercoating	5 Sinks	tan	1	2 Rooms	36	sq. ft.	2				*
D76	Sink Undercoating	5 Sinks	tan	1	106	30	sq. ft.	1		506	300	
D76	Sink Undercoating	1 Sink	tan	1	108	6	sq. ft.	1		506		
D78	Flex Connector	associated with ductwork		1	1 Room		sq. ft.	0				
D78	Flex Connector	associated with ductwork		1	108							
D79	Suspended Ceiling Tile	2' x 2' Pits and Pinholes		1	2 Rooms	1064	sq. ft.	2				
D79	Suspended Ceiling Tile	2' x 2' Pits and Pinholes		1	101	722	sq. ft.	1		477		
D79	Suspended Ceiling Tile	2' x 2' Pits and Pinholes		1	Hallway	342	sq. ft.	1		477		
D80	Grout	associated with ceramic wall tile 4" yellow	white	1	1 Room	21	sq. ft.	0				*
D80	Grout	associated with ceramic wall tile 4" yellow	white	1	Hallway	21	sq. ft.			-		
D81	Adhesive	associated with D80		1	1 Room	21	sq. ft.	2				*
D81	Adhesive	associated with D80		1	Hallway	21	sq. ft.	2		-		
D84	Window Caulking	Metal casing to metal sill	tan	Multiple	2 Rooms		sq. ft.	0				Previosuly Sampled - PCB D84A
D84	Window Caulking	Metal casing to metal sill	tan	2	East Stairs	-				517		
D84	Window Caulking	Metal casing to metal sill	tan	1 & 2	West Stairs	-				5088		
D85	Window Glazing	associated with D84		Multiple	2 Rooms		sq. ft.	2				
D85	Window Glazing	associated with D84		2	East Stairs			1		517		
D85	Window Glazing	associated with D84		1 & 2	West Stairs			1		5088		
D86	Adhesive	associated with Homasote Board		2	2 Rooms		sq. ft.	2				*
D86	Adhesive	associated with Homasote Board		2	204	-		1		560		
D86	Adhesive	associated with Homasote Board		2	201	-		1		560		
D87	Window Glazing	associated with upper windows	gray	Multiple	9 Rooms		sq. ft.	0				Previously Sampled - PCB D87A, B *
D87	Window Glazing	associated with upper windows	gray	2	206					476	82	
D87	Window Glazing	associated with upper windows	gray	2	204					476		
D87	Window Glazing	associated with upper windows	gray	2	202					476		

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
D87	Window Glazing	associated with upper windows	gray	2	200					476	140	
D87	Window Glazing	associated with upper windows	gray	2	201					476		
D87	Window Glazing	associated with upper windows	gray	2	203					476	89	
D87	Window Glazing	associated with upper windows	gray	2	205					476		
D87	Window Glazing	associated with upper windows	gray	2	205A					476		
D87	Window Glazing	associated with upper windows	gray	1	101					476		
D88	Window Glazing		gray	?	1 Rooms		sq. ft.	2				*
D88	Window Glazing		gray	-	Breezeways			2	Throughout all Breezeways	-		
-	Adhesive	associated with lockers		Multiple	2 Rooms		sq. ft.	2				
-	Adhesive	associated with lockers		2	Hallway			1				
-	Adhesive	associated with lockers		1	Hallway			1				
-	Caulking Material	CMU to Plaster Wall	gray	Multiple	13 Rooms	288	lnft	7				
-	Caulking Material	CMU to Plaster Wall	gray	2	208E	24	lnft		southeast and southwest	492		
-	Caulking Material	CMU to Plaster Wall	gray	2	206	24	lnft	1	southeast and southwest	492	82	
-	Caulking Material	CMU to Plaster Wall	gray	2	204	24	lnft		southeast and southwest	492		
-	Caulking Material	CMU to Plaster Wall	gray	2	202	24	lnft		southeast and southwest	492		
-	Caulking Material	CMU to Plaster Wall	gray	2	200	24	lnft	1	southeast and southwest	492	140	
-	Caulking Material	CMU to Plaster Wall	gray	2	201	24	lnft		northeast and northwest	492		
-	Caulking Material	CMU to Plaster Wall	gray	2	203	24	lnft	1	northeast and northwest	492	89	
-	Caulking Material	CMU to Plaster Wall	gray	2	205	24	lnft	1	northwest corners	492		
-	Caulking Material	CMU to Plaster Wall	gray	2	205A	24	lnft		northeast corners	492		
-	Caulking Material	CMU to Plaster Wall	gray	1	106			1	southeast and southwest		300	
-	Caulking Material	CMU to Plaster Wall	gray	1	104	24	lnft		southeast and southwest	492		
-	Caulking Material	CMU to Plaster Wall	gray	1	102	24	lnft	1	southeast and southwest	492	150	
-	Caulking Material	CMU to Plaster Wall	gray	1	101	24	lnft	1	northeast and northwest	492		
-	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	8 Rooms		sq. ft.	3				
-	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	206	-		1			82	

Building D - Proposed Building Material Sampling Summary

Homogeneous Material	Material Type	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments
-	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	204	-						
-	Adhesive	`		2	202	-						
-	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	200	-		1			140	
-	Adhesive	associated with Pressed Board (Peg Board)		2	201							
-	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	201	-						
-	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	203	-		1			89	
-	Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	205	-						
-	Vinyl Floor Tile	12" x 12" white w/ green and maroon		1	1 Room	69	sq. ft.	0				
-	Vinyl Floor Tile	12" x 12" white w/ green and maroon		1	110	69	sq. ft.					
-	Mastic	associated with Vinyl Floor Tile, 12" x 12" white w/ green and maroon		1	1 Room	69	sq. ft.	2				
-	Mastic	associated with Vinyl Floor Tile, 12" x 12" white w/ green and maroon		1	110	69	sq. ft.	2				
								111 Samples				Excludes paint, varnish
End of Building D												

Attachment B – Con-Test Analytical PCB Analysis SOP

Attachment C – Con-Test Analytical Interference SOP

Method SW-846 3620C
Florisil Cleanup of Pesticides and PCB's

Approved:

Tod Kopyscinski
Laboratory Director

Katherine Allen
QA Officer

Revision Number: 5

NON-CONTROLLED COPY

Change Record

Revision	Date	Responsible Person	Description of Change
0	08/05/2008	Fran Derose	Original
1	01/24/2012	John Beane	Update from annual review: Sec. 4.0 (updated to include alternative procedure), Sec. 6.0 (added pollution prevention), Sec. 4.2.4, 4.2.5, and 4.2.7 (5 mLs changed to 1 mL), and Sec. 8.0 (reference section updated to include 8081B and new MCP rev).
2	08/30/2013	Katherine Allen	Updates from 2012 annual SOP review: Sec. 4.2.6 (90/10 hexane/acetone mix added) and Sec. 8.0 (addition of 8081B MA CAM).
3	1/13/2015	Katherine Allen	Update from annual internal audit: Sec 3.0 (add activated florisil and vortex and delete vacuum pump), addition of section 4.3 (enhanced florisil cleanup procedure).
4	03/23/2016	Charles Balicki	Updated Sections 4.1.2 and 4.1.4.
5	03/12/2019	Charles Balicki	Updates from Annual SOP Review. Section 2.2 Added information about Restek and certificates received with each lot. Removed Section 2.2.1. Removed Section 4.2. Sec 3.0 and 8.0 – deleted TurboVap ref.

Distribution/Training List

See Employee Training Record File for signed training statements for trained users.

1.0 SCOPE AND APPLICATION

This method describes procedures for florisil cleanup of solvent extracts of Pesticide and PCB samples by solid phase extraction cartridges. Each cartridge is washed with solvent prior to use. The sample is loaded onto the cartridge which is then eluted with 90:10 Hexane/Acetone, then concentrated to a known volume. All sample extracts that are cleaned up using this procedure, must also have associated method blanks and LCS samples cleaned up using this procedure. This method also describes a modified enhanced Florisil clean-up procedure.

2.0 INTERFERENCES

2.1 Solvents, reagents, glassware, and other hardware may yield artifacts, and/or interferences to sample analysis. All of these materials must be demonstrated to be free from interferences by analyzing method blanks.

2.2 The efficiency of each lot of solid-phase extraction cartridges is verified by Restek. This lot check is documented on a verification certificate which is received with each lot. This certificate is scanned into Element.

3.0 EQUIPMENT AND SUPPLIES

3.1 Vacuum manifold-Visiprep (SUPELCO, Inc) or equivalent, consisting of glass vacuum basin, collection rack and funnel, collection vials, replaceable delivery tips, built in vacuum bleed valve, and gauge.
3.2 Hexane (C_6H_{14}) – Pesticide Quality
3.3 Acetone (CH_3COCH_3) – Pesticide Quality
3.4 Vials – 12 mL Amber Vials with screw tops
3.5 Vials – 2 mL Target Vials with snap caps
3.6 Graduated Cylinder – 10 mL
3.7 N-EVAP Concentration system
3.8 Florisil Cartridge 1g – RESTEK or equivalent
3.9 Florisil SEP-PAK cartridges – WATERs or equivalent
3.10 Activated Granular Florisil
3.11 Vortex

4.0 PROCEDURE

4.1 Cartridge Set-up and Conditioning

<u>First check each cartridge to make sure Florisil is packed correctly</u>

4.1.1 Arrange the cartridges on the manifold in the closed-valve position.
4.1.2 Add 10.0 mL of Hexane to each cartridge. Slowly open the cartridge valves to allow Hexane to pass through the sorbent beds. Allow a few drops of Hexane to pass through the cartridge to remove all air bubbles that may exist.
4.1.3 Close valves and allow the solvent to soak the entire sorbent bed for 5 minutes.

4.1.4 Slowly open cartridge valves to allow ~9ml of Hexane to pass through the cartridges. Close the cartridge valves when there is still at least 1 ml of solvent above the sorbent bed. **Do not allow the cartridges to become dry. If cartridges go dry, repeat the conditioning step.**

4.1.5 Add 1.0 mL of sample extract to a cartridge then slowly open valves to allow sample to pass through the cartridges completely.

4.1.6 Elute the cartridge with 10.0 mL of Hexane:Acetone (90:10) mix. Open valve. Solvent is collected in a 15 X 75 mm vial. Take the cleaned extract and re-concentrate it using the N-EVAP back down to 1.0 mL in a 2mL snap cap vial.

4.2 Enhanced Modified Florisil Cleanup Procedure

4.2.1 Add approximately 0.5g of activated florisil into a clean 4mL vial.

4.2.2 Add 4 mL of sample extract to the vial. If a sample dilution is necessary, prepare 4mLs of sample at the necessary dilution inside the 4mL vial, adding hexane first.

4.2.3 Cap the vial and shake for 10 seconds, then vortex for 10 seconds. Allow florisil to settle 10 seconds.

4.2.4 If additional florisil clean-ups are needed, transfer extract into a second clean 4mL vial containing approximately 0.5g of activated florisil and repeat step 4.3.3.

4.2.5 After all florisil clean-ups have been completed, perform a sulfuric acid clean-up on an aliquot of the extract.

5.0 SAFETY

See Material Safety Data Sheets (MSDS's) and Con-Test Analytical Laboratory Chemical Hygiene Plan.

6.0 POLLUTION PREVENTION

Pollution prevention encompasses any technique that reduces or eliminates the quantity and or eliminates the quantity and or toxicity of waste at the point of generation. Many opportunities for pollution prevention exist in laboratory operation. Whenever feasible, laboratory personal should use pollution prevention techniques to address waste generation. When it is not feasible to reduce wastes at the source, recycling is recommended as the next best option. Standards should be prepared in volumes consistent with laboratory use to minimize the volume of expired standards to be disposed.

7.0 WASTE MANAGEMENT

It is the laboratory's responsibility to comply with all federal, state, and local regulations governing the waste management, particularly the hazardous waste identification rules and land disposal restrictions, and to protect the air, water, and land by minimizing and controlling all releases from fume hoods and bench operations. Also, compliance is required with any sewage discharge permits and regulations.

Any PCB containing samples with over 2.0 ppm are labeled and stored separately for disposal. Used standards are accumulated as a lab-pack and sent out to be disposed properly by a waste management company.

8.0 REFERENCES

8.1 EPA, Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods SW-846 Method 3620C, 8081A and 8081B

8.2 Con-Test Analytical Laboratory Chemical Hygiene Plan

8.3 Con-Test Analytical Laboratory Quality Assurance Manual

8.4 Con-Test Analytical Laboratory Controlled Document SOP

8.5 Con-Test Analytical Laboratory Corrective Action SOP

8.6 MA DEP, MCP Data Enhancement Program, "Quality Control Requirements and Performance Standards for the Analysis of Chlorinated Pesticides by Gas Chromatography (GC) in support of Response Actions under the Massachusetts Contingency Plan (MCP)", Rev. 1, July 2010

8.7 MA DEP, MCP Data Enhancement Program, "Quality Control Requirements and Performance Standards for the Analysis of Chlorinated Pesticides by Gas Chromatography (GC) in support of Response Actions under the Massachusetts Contingency Plan (MCP)", Rev. 1, July 1, 2010.

8.8 EPA, SW-846 Test Method 3620C – Florisil Clean-up

FUSS & O'NEILL

M E M O R A N D U M

TO: Burlington School District, Tom Flanagan, Marty Spaulding

FROM: Bob May, Joshua Robinson

CC: PCI –Tom Peterson
ATC Group Services, LLC, Tom Broido,
EPA Region 1 –Kim Tisa
VTDEC –Patricia Coppolino, Shawn Donovan
VTDOH –Sarah Vose, Pamela Wadman, Lori Cragin
Ted Fisher

DATE: February 16, 2021

RE: Bulk and Substrate Sampling Procedures for Burlington High School – Amendment 1

This memorandum shall serve as an amendment to the standard operating procedure (SOP) memo dated December 22, 2020 for bulk and substrate sampling procedures for Burlington High School. The intent of this amendment is to provide SOP modifications proposed for substrate coring related to sampling of concrete floor slabs within buildings A, B and D, initially. This procedure will also be used for any subsequent coring of floor slabs within Burlington High School.

Building A

Conduct sampling in no less than two locations for each type of floor tile type (e.g. 9" x 9" or 12" x 12"). Samples shall be collected where recommended in the bulk and substrate sampling table prepared by Fuss & O'Neill. The selected locations shall be selected to represent a "worst case" location using bulk sampling data obtained for mastic adhesives. The selected locations will be the locations with the highest PCB bulk product sampling results.

Building B

Conduct sampling in no less than two locations for each type of floor tile type (e.g. 9" x 9" or 12" x 12"). Samples shall be collected where recommended in the bulk and substrate sampling table prepared by Fuss & O'Neill. The selected locations shall be selected to represent a "worst case" location using bulk sampling data obtained for mastic adhesives. The selected locations will be the locations with the highest PCB bulk product sampling results.

Building D

Conduct sampling in no less than two locations for each type of floor tile type (e.g. 9" x 9" or 12" x 12"). Samples shall be collected where recommended in the bulk and substrate sampling table prepared by Fuss & O'Neill. The selected locations shall be selected to represent a "worst case" location using bulk sampling data obtained for mastic adhesives. The selected locations will be the locations with the highest PCB bulk product sampling results.

The above shall represent an initial approach to expedite the substrate testing in an effort to determine depths and extent of contamination from PCB Bulk Products (mastic adhesives). The total number of estimated core and substrate samples based on the below SOP is included in Table 1 below fs:

Table 1
Estimated # of Samples

Building	Material Designation	Type of sample Method[1]	Depth of Sample and number of samples
Building A	9" x 9" Floor Tile Mastic	Method 1	Surface to ¼ inch samples – 2 locations
	9" x 9" Floor Tile Mastic	Method 1	¼" to ¾" samples – 2 locations
	9" x 9" Floor Tile Mastic	Method 1	¾" to 1 ¼" samples – 2 locations
	12" x 12" Floor Tile Mastic	Method 1	Surface to ¼ inch samples – 2 locations
	12" x 12" Floor Tile Mastic	Method 1	¼" to ¾" samples – 2 locations
	12" x 12" Floor Tile Mastic	Method 1	¾" to 1 ¼" samples – 2 locations
	9" x 9" Floor Tile Mastic	Method 2	Core Sample full thickness of slab 4" diameter – 2 locations
	12" x 12" Floor Tile Mastic	Method 2	Core Sample full thickness of slab 4" diameter – 2 locations
Building B	9" x 9" Floor Tile Mastic	Method 1	Surface to ¼ inch samples – 2 locations
	9" x 9" Floor Tile Mastic	Method 1	¼" to ¾" samples – 2 locations
	9" x 9" Floor Tile Mastic	Method 1	¾" to 1 ¼" samples – 2 locations
	12" x 12" Floor Tile Mastic	Method 1	Surface to ¼ inch samples – 2 locations
	12" x 12" Floor Tile Mastic	Method 1	¼" to ¾" samples – 2 locations
	12" x 12" Floor Tile Mastic	Method 1	¾" to 1 ¼" samples – 2 locations

	9" x 9" Floor Tile Mastic	Method 2	Core Sample full thickness of slab 4" diameter – 2 locations
	12" x 12" Floor Tile Mastic	Method 2	Core Sample full thickness of slab 4" diameter – 2 locations
Building D	9" x 9" Floor Tile Mastic	Method 1	Surface to ¼ inch samples – 2 locations
	9" x 9" Floor Tile Mastic	Method 1	¼" to ¾" samples – 2 locations
	9" x 9" Floor Tile Mastic	Method 1	¾" to 1 ¼" samples – 2 locations
	12" x 12" Floor Tile Mastic	Method 1	Surface to ¼ inch samples – 2 locations
	12" x 12" Floor Tile Mastic	Method 1	¼" to ¾" samples – 2 locations
	12" x 12" Floor Tile Mastic	Method 1	¾" to 1 ¼" samples – 2 locations
	9" x 9" Floor Tile Mastic	Method 2	Core Sample full thickness of slab 4" diameter – 2 locations
	12" x 12" Floor Tile Mastic	Method 2	Core Sample full thickness of slab 4" diameter – 2 locations
Totals Samples for All Buildings		Method 1	36 Samples
		Method 2	12 Samples

1. Methods 1 and 2 are further detailed below.

Sample Collection Procedures –
Modified Substrate Sampling for Concrete Floor Slabs

The following procedures were developed to collect samples from porous substrate materials to determine the presence and extent of PCB contamination from source materials. This modified procedure is intended for existing concrete floor slabs, and will only be used for PCB containing floor tile mastic adhesives.

Site Preparations

- Polyethylene sheeting or equivalent
- Tape

  - Cover surrounding work areas with polyethylene sheeting (wall and floor surfaces) in order to prevent contamination of adjoining surfaces
  - Seal the placed polyethylene sheeting with tape
- HEPA Vacuum
- Waste disposal bag(s)
- Conduct sub slab scanning to detect dangers and or interferences below slab (structures, utilities, etc.). No core drilling shall occur without first conducting sufficient sub slab interference check.

Tools and Supplies

- Retain specific sub-consultant to conduct ground penetrating radar (GPR) for below slab utilities.
- Sub-Scanner Detection Tools such as Milwaukee M12 or equivalent (for rebar or solid woods etc.)
- PPE (tyvek suit, mask, gloves, eye and hearing protection)
- Anti-vibration work gloves
- Steel Toe Safety Boots
- Rotary impact hammer drill with half-inch and one-inch carbide drill bit (depending on multi-depth sampling)
- Demolition hammer
- Core drill press (Milwaukee or equivalent - 4" minimum) which can be anchored to floor with preference for those that use suction (in lieu of mechanically fastened) and have a pressurized water supply tank.
- Water to apply at point of contact (hoses, containers etc.)
- Wash procedure supplies (including paper towels and disposal bags)
- Polyethylene sheeting /tape
- HEPA vacuum
- Aluminum foil - used to aid in sample collection
- 4 oz. glass jar for sample collection

Additional or specific types of PPE may be required for concrete or masonry cutting or drilling depending on identified hazards associated with particular sites, conditions, materials, tasks and cutting or drilling equipment. ATC shall determine additional protections for potential exposures to silica dust, asbestos, PCBs which may warrant respiratory protection in addition to above specified minimal PPE. A Job Hazard Assessments shall be included to address the following additional considerations:

Known/Potential Hazards

- Wet slippery floor
- Unsafe grip or stance
- Unsafe start or stop procedures
- Worn or damaged coring bits

- Wrong type of coring bit
- Insufficient flow of water for coolant and dust suppression
- Incompatible bit and drilling equipment
- Improperly secured drill bit
- Improperly anchored drill mast
- Electrical, gas or water lines (utilities)
- Noise
- Vibration
- Silica Dust
- Asbestos
- PCBs
- Obstructions or resistance in the material being cut.
- Obstructions or other hazards in the work area
- Equipment Kick Back
- Crooked / offline core hole
- Loose clothing, chains around neck, long hair
- Uneven or unstable work surfaces

Method 1 Sampling Procedure

Sampling of masonry shall be conducted in accordance with EPA "Standard Operating Procedures (SOP) for Sampling Porous Materials for PCBs" - (dated May 5, 2011)

1. This sampling involves complete removal of bulk product materials (source PCB materials) at sampling locations using hand tools (intent is to ensure complete removal of source material prior to sampling adjacent surfaces). For this modified procedure all mastic is > 50 ppm and may also contain asbestos.

2. Once removal of all visible source material is performed, the porous surfaces will be initially drilled to a depth of approximately ¼ inch depth to remove all visible mastic and concrete. Material shall be collected for analysis to confirm PCB content of the first ¼" of concrete slab materials.

3. Porous surfaces will then be sampled using a mechanical hammer drill to obtain samples at depths of ¼" to ¾" inch depth and ¾" to 1 ¼" inch depths (two discrete samples). Place collected samples in laboratory supplied 4 oz. glass jar.

4. Store collected samples in cooler.

5. Tools utilized to collect samples will be cleaned using hexane wash series including soapy water, deionized (DI) water and hexane between sampling.

6. Any waste materials collected and/or produced during the sampling procedure shall be properly disposed of.

Method 2 Sampling Procedure

Core Sampling through entire thickness of slab

1. This sampling method involves complete removal of bulk product materials (source PCB materials) at sampling locations using hand tools (intent is to ensure complete removal of source material prior to sampling adjacent surfaces). For this modified procedure all mastic is >50 ppm and may also contain asbestos.

2. Setup core drill, which shall be attached to floor using suction or if necessary mechanical fasteners and a level stand. If mechanical fasteners are to be utilized, ensure the area of mastic removed includes proposed sample anchor points and conduct pilot hole drilling (minimum ¼") for fasteners per above method using hammer drill and HEPA vacuum.

3. Setup water supply tank and pressurize tank and ensure function of all equipment and full assembled system is properly setup per manufacturer's instructions.

4. The drilling shall be a two person operation to include one person to operate drill, and one person to continuously vacuum up water and dust mixture and ensure the water supply tank is kept properly pressurized.

5. Drill 4-inch diameter core through entire thickness of floor slab (estimate 5-6" thickness) using wet methods. Once core drill is complete, remove core and place in plastic storage container and store collected samples in cooler. The core samples shall be frozen until the samples are submitted to the laboratory. The cores will not be sent to the lab unless it is determined that PCB present at a concentration greater than 1 ppm at more than 1 inch into the slabs.

6. Prior to removal of drill bits etc., unplug equipment to lock out and tag out devices. Tools utilized to collect samples will be cleaned using hexane wash series including soapy water, DI water and hexane between sampling.

7. Any waste materials collected and/or produced during the sampling procedure shall be properly disposed of.

Repeat the process for each sample collected.

Sample Documentation

- Site and location of the sample extraction - diagram
- Date on each page
- Exact times of sampling events or visual observations

- Types of samples collected and sample identification numbers
- Number of samples collected
- Specific description of sample locations
- Description of sampling methods
  - Aroclor analysis is EPA Method 8082
- Field observations
- Name of all field personnel

Analysis

Samples will be analyzed using EPA Method 3500B/3540C (Soxhlet Region 1) for extraction and analysis of samples using EPA Method 8082.

Laboratory

The bulk and substrate samples will be sent to Con-Test Laboratory (Con-Test) of East Longmeadow, Massachusetts for analysis of PCBs using EPA Method 3500B/3540C (Soxhlet Region 1) for extraction and analysis of samples using EPA Method 8082. Con-Test was recently acquired by Pace Analytical; the transition of Con-Test will occur during the first quarter of 2021.

The samples will be analyzed in accordance with the Con-Test's PCB analysis by gas-chromatography procedure, which was previously provided in the December 22, 2020 approved SOP prepared by Fuss & O'Neill, Inc..

Con-Test (Pace) has a method for florisil cleanup of solvent extracts of PCB sample by solid phase extraction cartridges. Each cartridge is washed with solvent prior to use. The sample is loaded onto the cartridge which is then eluted with 90:10 Hexane/Acetone, then concentrated to a known volume. All sample extracts that are cleaned up using this procedure must also have associated method blanks and LCS samples cleaned up using this procedure. A copy of Con-Test's procedure - which was previously provided in December 22, 2020 approved SOP is included as Attachment B.

Laboratory detection limits will be at 0.5 parts per million (ppm) and turnaround time for samples will be standard of 2 weeks.

Attachment A – Proposed Sampling Location Diagrams

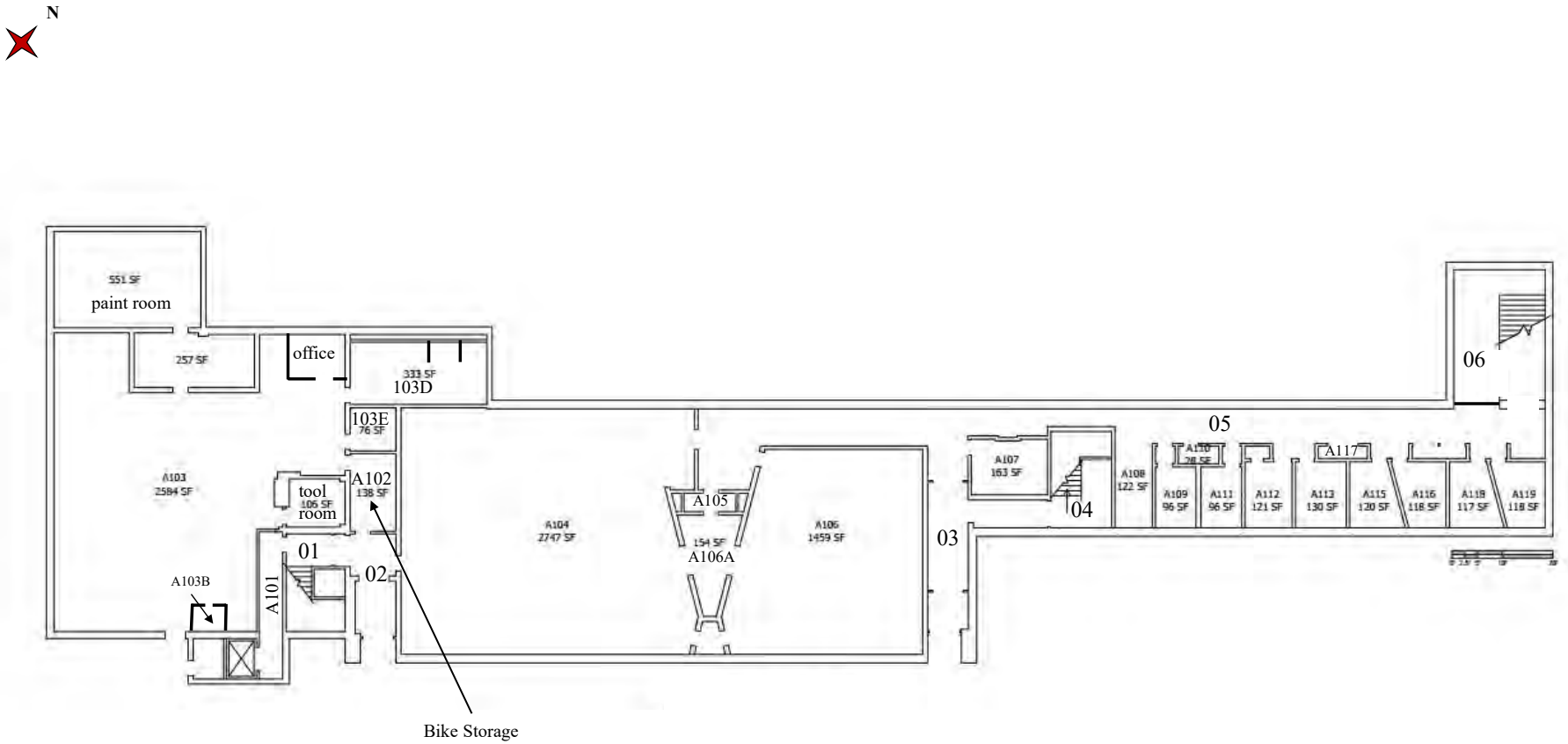


DIAGRAM I - Building A – First Floor

Address: Burlington High School
52 Institute Road
Burlington, Vermont

Project Number: 280BS01563

51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Field Notes

SCALE: Not to scale

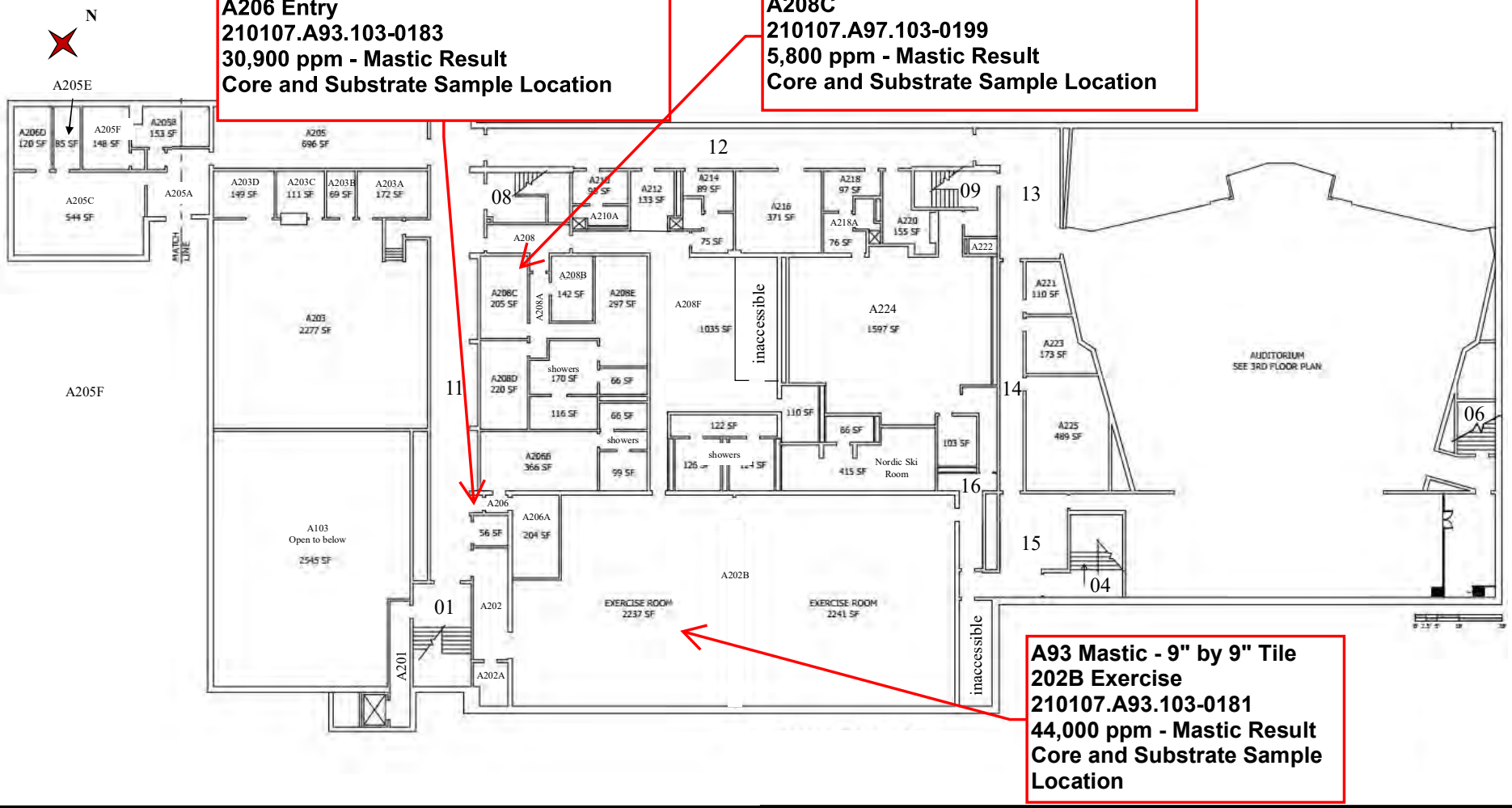


DIAGRAM II - Building A – Second Floor

Address: Burlington High School
52 Institute Road
Burlington, Vermont

Project Number: 280BS01563

51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Field Notes

SCALE: Not to scale

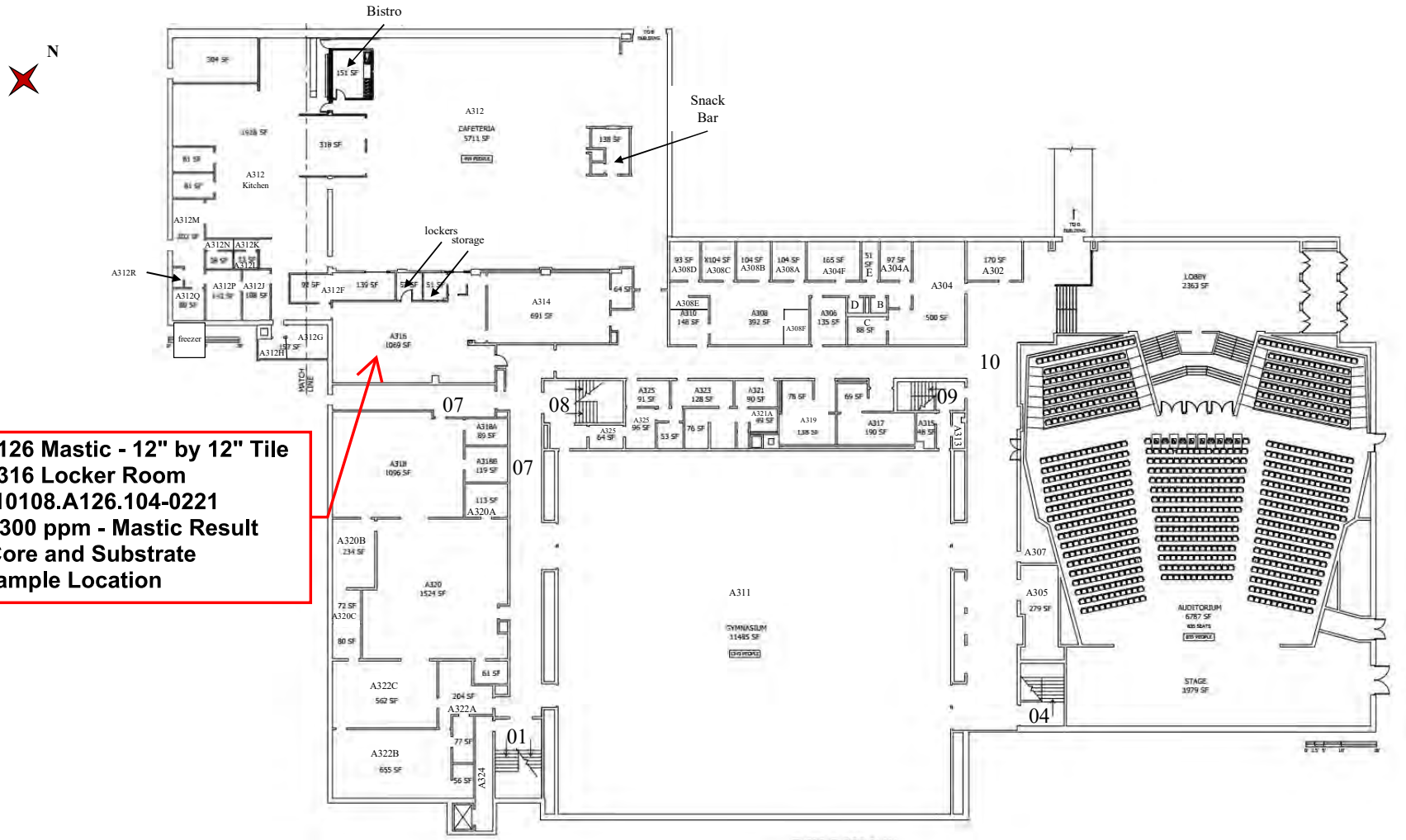


DIAGRAM III- Building A – Third Floor

Address: Burlington High School
52 Institute Road
Burlington, Vermont

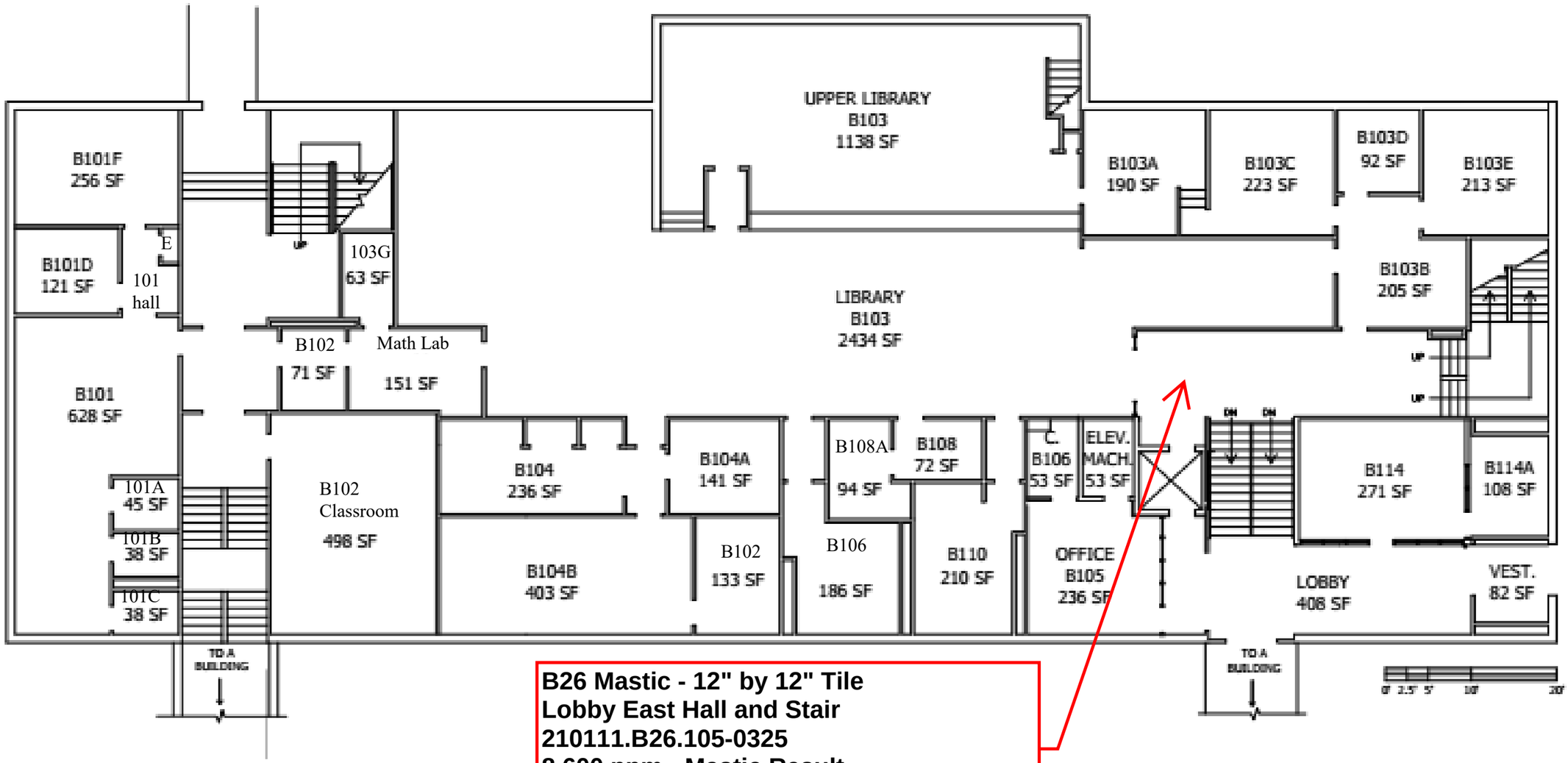
Project Number: 280BS01563

ATC
51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Field Notes

SCALE: Not to scale

N



B26 Mastic - 12" by 12" Tile
Lobby East Hall and Stair
210111.B26.105-0325
8,600 ppm - Mastic Result
Core and Substrate Sample Location

Building B – First Floor
Address: **Burlington High School**
52 Institute Road
Burlington, Vermont

Project Number: 280BS01563

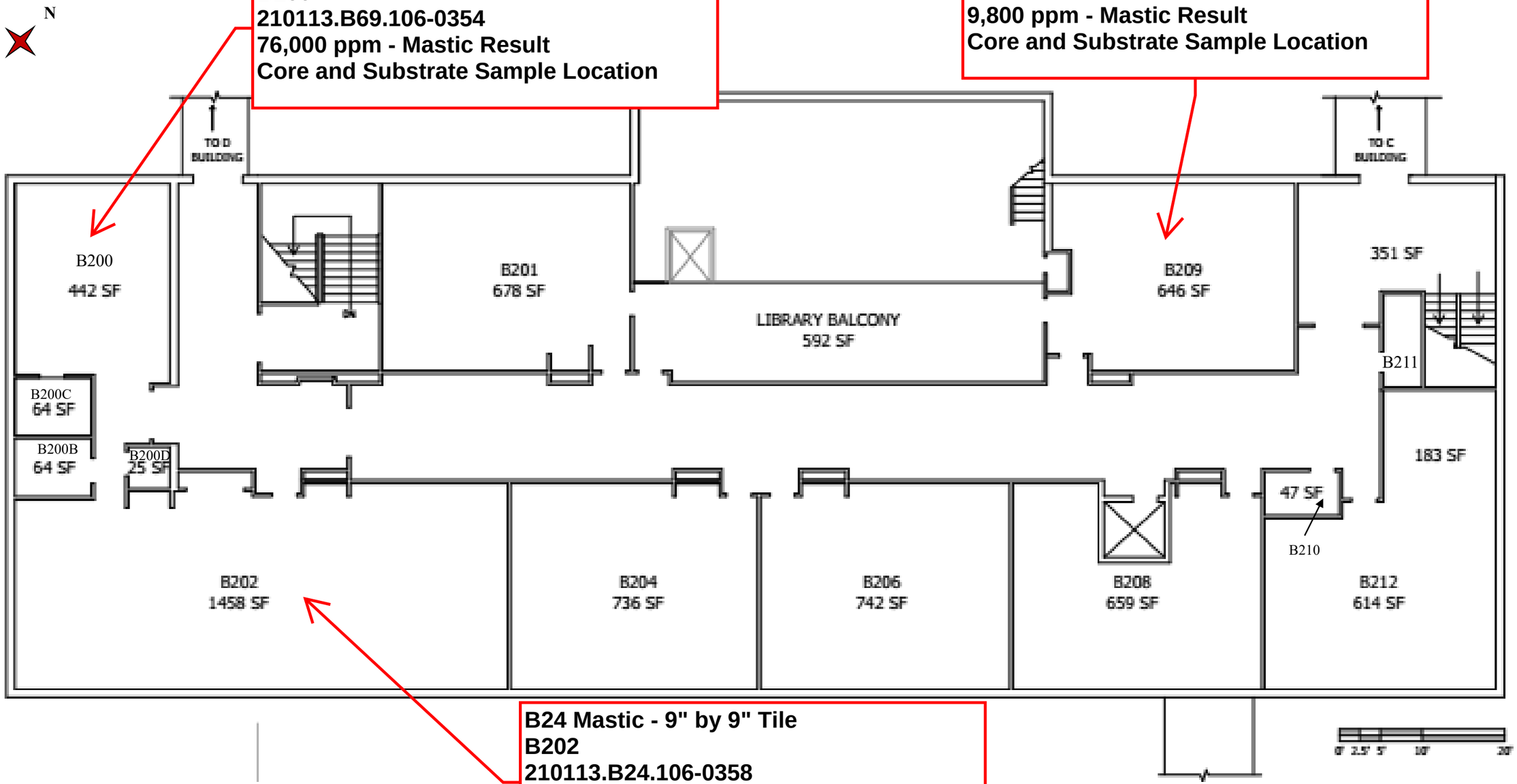
ATC
51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Field Notes

SCALE: Not to scale

B69 Mastic - 9" by 9" Tile
B200
210113.B69.106-0354
76,000 ppm - Mastic Result
Core and Substrate Sample Location

B63 Mastic - 12" by 12" Tile
B209
210111.B63.106-0389
9,800 ppm - Mastic Result
Core and Substrate Sample Location



B24 Mastic - 9" by 9" Tile
B202
210113.B24.106-0358
129,000 ppm - Mastic Result
Core and Substrate Sample Location

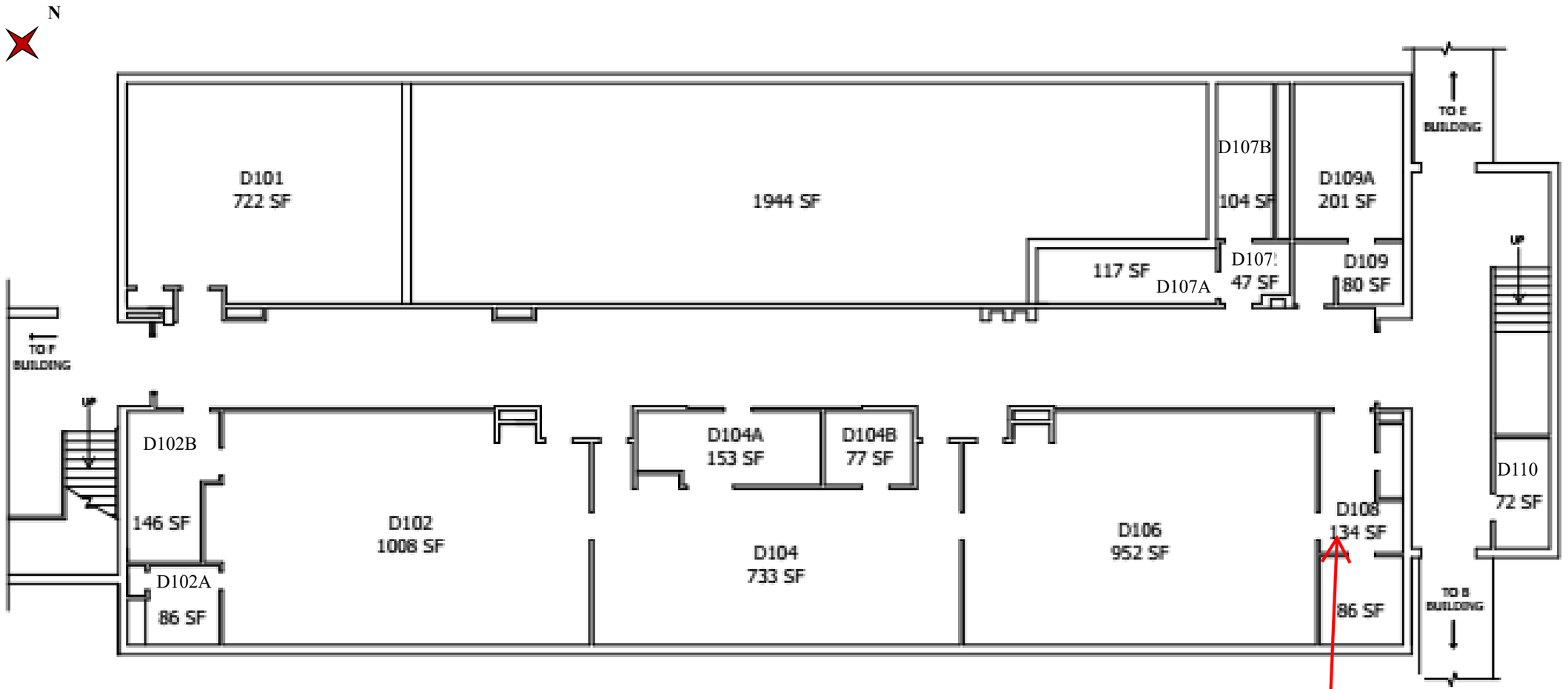
Building B – Second Floor
Address: **Burlington High School**
52 Institute Road
Burlington, Vermont

Project Number: 280BS01563

51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Field Notes

SCALE: Not to scale



Building D – First Floor

Address: Burlington High School
52 Institute Road
Burlington, Vermont

Project Number: 280BS01563

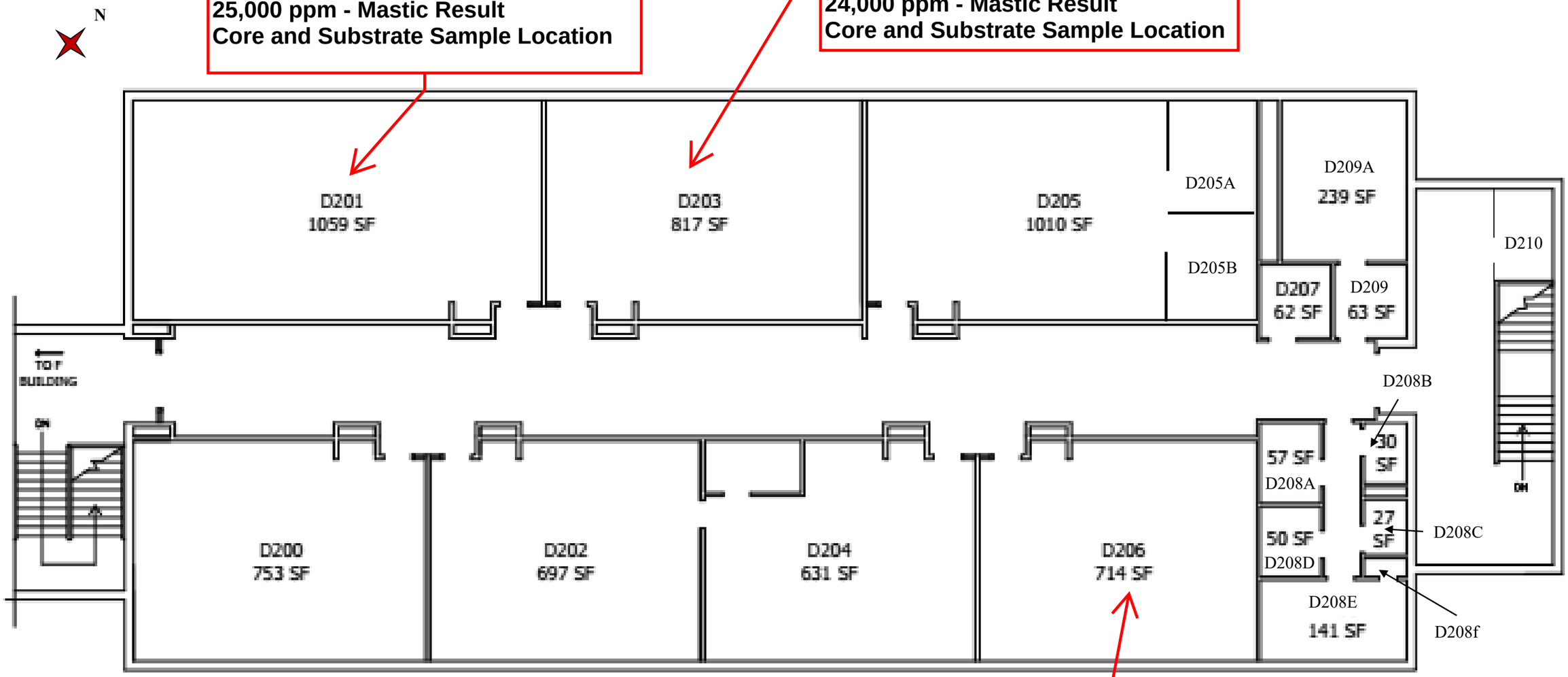
51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Field Notes

SCALE: Not to scale

D41 Mastic - 12" by 12" Tile
D201
2101115.D41.108-0442
25,000 ppm - Mastic Result
Core and Substrate Sample Location

D34 Mastic - 9" by 9" Tile
D203
2101115.D34.108-0449
24,000 ppm - Mastic Result
Core and Substrate Sample Location



D24 Mastic - 12" by 12" Tile
D206
2101114.D24.108-0462
45,000 ppm - Mastic Result
Core and Substrate Sample Location

Building D – Second Floor
Address: **Burlington High School**
52 Institute Road
Burlington, Vermont

Project Number: 280BS01563

ATC
51 Knight Lane, Williston, Vermont 05495
Phone:(802) 862-1980 Fax: (737) 207-8272

Source: Field Notes

SCALE: Not to scale

Attachment B – Con-Test Laboratory SOP

Method SW-846 3620C
Florisil Cleanup of Pesticides and PCB's

Approved:

Tod Kopyscinski
Laboratory Director

Katherine Allen
QA Officer

Revision Number: 5

NON-CONTROLLED COPY

Change Record

Revision	Date	Responsible Person	Description of Change
0	08/05/2008	Fran Derose	Original
1	01/24/2012	John Beane	Update from annual review: Sec. 4.0 (updated to include alternative procedure), Sec. 6.0 (added pollution prevention), Sec. 4.2.4, 4.2.5, and 4.2.7 (5 mLs changed to 1 mL), and Sec. 8.0 (reference section updated to include 8081B and new MCP rev).
2	08/30/2013	Katherine Allen	Updates from 2012 annual SOP review: Sec. 4.2.6 (90/10 hexane/acetone mix added) and Sec. 8.0 (addition of 8081B MA CAM).
3	1/13/2015	Katherine Allen	Update from annual internal audit: Sec 3.0 (add activated florisil and vortex and delete vacuum pump), addition of section 4.3 (enhanced florisil cleanup procedure).
4	03/23/2016	Charles Balicki	Updated Sections 4.1.2 and 4.1.4.
5	03/12/2019	Charles Balicki	Updates from Annual SOP Review. Section 2.2 Added information about Restek and certificates received with each lot. Removed Section 2.2.1. Removed Section 4.2. Sec 3.0 and 8.0 – deleted TurboVap ref.

Distribution/Training List

See Employee Training Record File for signed training statements for trained users.

1.0 SCOPE AND APPLICATION

This method describes procedures for florisil cleanup of solvent extracts of Pesticide and PCB samples by solid phase extraction cartridges. Each cartridge is washed with solvent prior to use. The sample is loaded onto the cartridge which is then eluted with 90:10 Hexane/Acetone, then concentrated to a known volume. All sample extracts that are cleaned up using this procedure, must also have associated method blanks and LCS samples cleaned up using this procedure. This method also describes a modified enhanced Florisil clean-up procedure.

2.0 INTERFERENCES

2.1 Solvents, reagents, glassware, and other hardware may yield artifacts, and/or interferences to sample analysis. All of these materials must be demonstrated to be free from interferences by analyzing method blanks.

2.2 The efficiency of each lot of solid-phase extraction cartridges is verified by Restek. This lot check is documented on a verification certificate which is received with each lot. This certificate is scanned into Element.

3.0 EQUIPMENT AND SUPPLIES

3.1 Vacuum manifold-Visiprep (SUPELCO, Inc) or equivalent, consisting of glass vacuum basin, collection rack and funnel, collection vials, replaceable delivery tips, built in vacuum bleed valve, and gauge.
3.2 Hexane (C_6H_{14}) – Pesticide Quality
3.3 Acetone (CH_3COCH_3) – Pesticide Quality
3.4 Vials – 12 mL Amber Vials with screw tops
3.5 Vials – 2 mL Target Vials with snap caps
3.6 Graduated Cylinder – 10 mL
3.7 N-EVAP Concentration system
3.8 Florisil Cartridge 1g – RESTEK or equivalent
3.9 Florisil SEP-PAK cartridges – WATERs or equivalent
3.10 Activated Granular Florisil
3.11 Vortex

4.0 PROCEDURE

4.1 Cartridge Set-up and Conditioning

<u>First check each cartridge to make sure Florisil is packed correctly</u>

4.1.1 Arrange the cartridges on the manifold in the closed-valve position.
4.1.2 Add 10.0 mL of Hexane to each cartridge. Slowly open the cartridge valves to allow Hexane to pass through the sorbent beds. Allow a few drops of Hexane to pass through the cartridge to remove all air bubbles that may exist.
4.1.3 Close valves and allow the solvent to soak the entire sorbent bed for 5 minutes.

4.1.4 Slowly open cartridge valves to allow ~9ml of Hexane to pass through the cartridges. Close the cartridge valves when there is still at least 1 ml of solvent above the sorbent bed. **Do not allow the cartridges to become dry. If cartridges go dry, repeat the conditioning step.**

4.1.5 Add 1.0 mL of sample extract to a cartridge then slowly open valves to allow sample to pass through the cartridges completely.

4.1.6 Elute the cartridge with 10.0 mL of Hexane:Acetone (90:10) mix. Open valve. Solvent is collected in a 15 X 75 mm vial. Take the cleaned extract and re-concentrate it using the N-EVAP back down to 1.0 mL in a 2mL snap cap vial.

4.2 Enhanced Modified Florisil Cleanup Procedure

4.2.1 Add approximately 0.5g of activated florisil into a clean 4mL vial.

4.2.2 Add 4 mL of sample extract to the vial. If a sample dilution is necessary, prepare 4mLs of sample at the necessary dilution inside the 4mL vial, adding hexane first.

4.2.3 Cap the vial and shake for 10 seconds, then vortex for 10 seconds. Allow florisil to settle 10 seconds.

4.2.4 If additional florisil clean-ups are needed, transfer extract into a second clean 4mL vial containing approximately 0.5g of activated florisil and repeat step 4.3.3.

4.2.5 After all florisil clean-ups have been completed, perform a sulfuric acid clean-up on an aliquot of the extract.

5.0 SAFETY

See Material Safety Data Sheets (MSDS's) and Con-Test Analytical Laboratory Chemical Hygiene Plan.

6.0 POLLUTION PREVENTION

Pollution prevention encompasses any technique that reduces or eliminates the quantity and or eliminates the quantity and or toxicity of waste at the point of generation. Many opportunities for pollution prevention exist in laboratory operation. Whenever feasible, laboratory personal should use pollution prevention techniques to address waste generation. When it is not feasible to reduce wastes at the source, recycling is recommended as the next best option. Standards should be prepared in volumes consistent with laboratory use to minimize the volume of expired standards to be disposed.

7.0 WASTE MANAGEMENT

It is the laboratory's responsibility to comply with all federal, state, and local regulations governing the waste management, particularly the hazardous waste identification rules and land disposal restrictions, and to protect the air, water, and land by minimizing and controlling all releases from fume hoods and bench operations. Also, compliance is required with any sewage discharge permits and regulations.

Any PCB containing samples with over 2.0 ppm are labeled and stored separately for disposal. Used standards are accumulated as a lab-pack and sent out to be disposed properly by a waste management company.

8.0 REFERENCES

8.1 EPA, Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods SW-846 Method 3620C, 8081A and 8081B

8.2 Con-Test Analytical Laboratory Chemical Hygiene Plan

8.3 Con-Test Analytical Laboratory Quality Assurance Manual

8.4 Con-Test Analytical Laboratory Controlled Document SOP

8.5 Con-Test Analytical Laboratory Corrective Action SOP

8.6 MA DEP, MCP Data Enhancement Program, "Quality Control Requirements and Performance Standards for the Analysis of Chlorinated Pesticides by Gas Chromatography (GC) in support of Response Actions under the Massachusetts Contingency Plan (MCP)", Rev. 1, July 2010

8.7 MA DEP, MCP Data Enhancement Program, "Quality Control Requirements and Performance Standards for the Analysis of Chlorinated Pesticides by Gas Chromatography (GC) in support of Response Actions under the Massachusetts Contingency Plan (MCP)", Rev. 1, July 1, 2010.

8.8 EPA, SW-846 Test Method 3620C – Florisil Clean-up

SOP 25.00 PCB Bulk and Wipe Sampling

BACKGROUND

- ✓ PCB in building materials regulated under the Toxic Substances Control Act (TSCA).
- ✓ TSCA is administrated by EPA.
- ✓ Peak PCB use was from the late 1940s to 1978, when outlawed.
- ✓ Not clear how PCBs were added to building materials – leads variability of PCB concentrations within similar materials. Leads to potential need for extensive sampling. Sometimes as frequent as 1 sample every 10 linear feet.

Suspect building materials include:

- Window glazing compound
- Door and window surround caulk
- Concrete and brick expansion joints
- Paints and varnishes
- Many others

Converging lines of evidence used to categorize suspect materials:

- - Building age (pre 1980)
- - type of building – typically not in single family
- - construction type – brick/concrete

SAMPLE COLLECTION AND DOCUMENTATION

Sample log/Chain of Custody

- date
- location
- color, texture
- application

Bulk Sampling

- - minimum of 10 grams of suspect material
- - glass container – labels, lid
- - decontaminate with hexane or discard tool
- - tools with disposable blades may be used
- - use Chain of Custody
- Decontaminate between every sample
- Capture waste for proper disposal by facility sample collected in

Analytical Method – Soxhlet 3540C, PCBs by 8082

- Minimum of 3 samples
- Request Lab for < 0.5 ppm detection limit or less

Wipe Samples

- 100 cm2 – sample area – precut templates or measured area
- Collect on sterile wipes soaked in Hexane – place in glass container, label and lid
- 3 in each direction
- Discard liquid

Use separate chain of custody for each building

When sampling caulk and glazing, get each from same window

When also sampling for asbestos, coordinate sample locations and naming.

Look for older product behind products being sampled. Note presence or absence of older product. Sample older product if present

Appendix C

Bulk and Substrate Sampling PCB Analytical Data

Building A

Bulk and Substrate Data

con-test®
A Pace Analytical® Laboratory

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

March 25, 2021

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

Project Location: 52 Institute Rd, Burlington, VT
Client Job Number:
Project Number: 280BS01563 Task 7
Laboratory Work Order Number: 21C0875

Enclosed are results of analyses for samples received by the laboratory on March 17, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michelle M. Koch
Project Manager

Table of Contents

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: Jesse Stratton

REPORT DATE: 3/25/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Task 7

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21C0875

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

PROJECT LOCATION: 52 Institute Rd, Burlington, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
210315.A60.124-1031	21C0875-02	Product/Solid		SW-846 8082A	
210315.A43.124-1033	21C0875-03	Product/Solid		SW-846 8082A	
210315.A2012.124-1035	21C0875-04	Product/Solid		SW-846 8082A	
210315.A28.124-1037	21C0875-05	Product/Solid		SW-846 8082A	
210315.A2010.124-1041	21C0875-07	Product/Solid		SW-846 8082A	
210315.A135.124-1045	21C0875-09	Product/Solid		SW-846 8082A	
210315.A32.125-1049	21C0875-11	Product/Solid		SW-846 8082A	
210315.A100.125-1051	21C0875-12	Product/Solid		SW-846 8082A	
210315.A55.125-1062	21C0875-16	Product/Solid		SW-846 8082A	
210315.A114.125-1064	21C0875-17	Product/Solid		SW-846 8082A	
210315.A116.125-1070	21C0875-19	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.

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: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A60.124-1031 Sampled: 3/15/2021 11:08

Sample ID: 21C0875-02

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	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1221 [1]	ND	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1232 [1]	ND	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1242 [1]	ND	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1248 [1]	ND	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1254 [2]	0.55	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1260 [1]	ND	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1262 [1]	ND	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1268 [1]	ND	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.3	30-150		3/25/21 9:33
Decachlorobiphenyl [2]	93.4	30-150		3/25/21 9:33
Tetrachloro-m-xylene [1]	87.9	30-150		3/25/21 9:33
Tetrachloro-m-xylene [2]	92.1	30-150		3/25/21 9:33

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A43.124-1033 Sampled: 3/15/2021 11:38

Sample ID: 21C0875-03

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	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1221 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1232 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1242 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1248 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1254 [2]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1260 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1262 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1268 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		3/25/21 12:35
Decachlorobiphenyl [2]	109	30-150		3/25/21 12:35
Tetrachloro-m-xylene [1]	103	30-150		3/25/21 12:35
Tetrachloro-m-xylene [2]	108	30-150		3/25/21 12:35

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A2012.124-1035 Sampled: 3/15/2021 11:53

Sample ID: 21C0875-04

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	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1248 [2]	ND	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1254 [2]	1.0	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.0	30-150		3/25/21 12:53
Decachlorobiphenyl [2]	104	30-150		3/25/21 12:53
Tetrachloro-m-xylene [1]	96.4	30-150		3/25/21 12:53
Tetrachloro-m-xylene [2]	101	30-150		3/25/21 12:53

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Project Location: 52 Institute Rd, Burlington, VT | Sample Description: | Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A28.124-1037 | Sampled: 3/15/2021 13:53

Sample ID: 21C0875-05

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	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.1	30-150		3/25/21 13:11
Decachlorobiphenyl [2]	98.6	30-150		3/25/21 13:11
Tetrachloro-m-xylene [1]	93.8	30-150		3/25/21 13:11
Tetrachloro-m-xylene [2]	99.2	30-150		3/25/21 13:11

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A2010.124-1041 Sampled: 3/15/2021 15:07

Sample ID: 21C0875-07

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	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1254 [2]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1260 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.2	30-150		3/25/21 9:51
Decachlorobiphenyl [2]	103	30-150		3/25/21 9:51
Tetrachloro-m-xylene [1]	96.1	30-150		3/25/21 9:51
Tetrachloro-m-xylene [2]	99.8	30-150		3/25/21 9:51

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A135.124-1045 Sampled: 3/15/2021 15:36

Sample ID: 21C0875-09

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	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1221 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1232 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1242 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1248 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1254 [2]	0.49	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1260 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1262 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1268 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.6	30-150		3/25/21 10:09
Decachlorobiphenyl [2]	97.0	30-150		3/25/21 10:09
Tetrachloro-m-xylene [1]	82.0	30-150		3/25/21 10:09
Tetrachloro-m-xylene [2]	85.5	30-150		3/25/21 10:09

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Project Location: 52 Institute Rd, Burlington, VT | Sample Description: | Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A32.125-1049 | Sampled: 3/16/2021 08:42

Sample ID: 21C0875-11

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	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1254 [2]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.2	30-150		3/25/21 10:27
Decachlorobiphenyl [2]	103	30-150		3/25/21 10:27
Tetrachloro-m-xylene [1]	96.2	30-150		3/25/21 10:27
Tetrachloro-m-xylene [2]	101	30-150		3/25/21 10:27

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A100.125-1051 Sampled: 3/16/2021 09:05

Sample ID: 21C0875-12

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	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1254 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1260 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.1	30-150		3/25/21 10:44
Decachlorobiphenyl [2]	78.1	30-150		3/25/21 10:44
Tetrachloro-m-xylene [1]	84.6	30-150		3/25/21 10:44
Tetrachloro-m-xylene [2]	88.4	30-150		3/25/21 10:44

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A55.125-1062 Sampled: 3/16/2021 12:14

Sample ID: 21C0875-16

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	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	68.3	30-150		3/25/21 11:02
Decachlorobiphenyl [2]	74.2	30-150		3/25/21 11:02
Tetrachloro-m-xylene [1]	73.8	30-150		3/25/21 11:02
Tetrachloro-m-xylene [2]	78.2	30-150		3/25/21 11:02

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Project Location: 52 Institute Rd, Burlington, VT | Sample Description: | Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A114.125-1064 | Sampled: 3/16/2021 12:46

Sample ID: 21C0875-17

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	3/18/21	3/25/21 11:20	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG
Aroclor-1254 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.2	30-150		3/25/21 11:20
Decachlorobiphenyl [2]	103	30-150		3/25/21 11:20
Tetrachloro-m-xylene [1]	93.7	30-150		3/25/21 11:20
Tetrachloro-m-xylene [2]	98.3	30-150		3/25/21 11:20

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Project Location: 52 Institute Rd, Burlington, VT | Sample Description: | Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A116.125-1070 | Sampled: 3/16/2021 13:24

Sample ID: 21C0875-19

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	3/18/21	3/25/21 13:29	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG
Aroclor-1254 [2]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.3	30-150		3/25/21 13:29
Decachlorobiphenyl [2]	103	30-150		3/25/21 13:29
Tetrachloro-m-xylene [1]	96.0	30-150		3/25/21 13:29
Tetrachloro-m-xylene [2]	101	30-150		3/25/21 13:29

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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
21C0875-02 [210315.A60.124-1031]	B278260	2.40	10.0	03/18/21
21C0875-07 [210315.A2010.124-1041]	B278260	2.16	10.0	03/18/21
21C0875-09 [210315.A135.124-1045]	B278260	2.13	10.0	03/18/21
21C0875-11 [210315.A32.125-1049]	B278260	2.09	10.0	03/18/21
21C0875-12 [210315.A100.125-1051]	B278260	2.16	10.0	03/18/21
21C0875-16 [210315.A55.125-1062]	B278260	2.07	10.0	03/18/21
21C0875-17 [210315.A114.125-1064]	B278260	2.04	10.0	03/18/21

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21C0875-19 [210315.A116.125-1070]	B278309	2.00	10.0	03/18/21

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21C0875-03 [210315.A43.124-1033]	B278348	2.25	10.0	03/19/21
21C0875-04 [210315.A2012.124-1035]	B278348	2.08	10.0	03/19/21
21C0875-05 [210315.A28.124-1037]	B278348	2.00	10.0	03/19/21

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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 B278260 - SW-846 3540C										
Blank (B278260-BLK1)				Prepared: 03/18/21 Analyzed: 03/19/21						
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	*0.899*		mg/Kg	1.00		89.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.906*		mg/Kg	1.00		90.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.814*		mg/Kg	1.00		81.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.837*		mg/Kg	1.00		83.7	30-150			
LCS (B278260-BS1)				Prepared: 03/18/21 Analyzed: 03/19/21						
Aroclor-1016	0.85	0.10	mg/Kg	1.00		84.5	40-140			
Aroclor-1016 [2C]	0.76	0.10	mg/Kg	1.00		76.2	40-140			
Aroclor-1260	0.81	0.10	mg/Kg	1.00		80.6	40-140			
Aroclor-1260 [2C]	0.78	0.10	mg/Kg	1.00		77.5	40-140			
Surrogate: Decachlorobiphenyl	*0.936*		mg/Kg	1.00		93.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.943*		mg/Kg	1.00		94.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.844*		mg/Kg	1.00		84.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.830*		mg/Kg	1.00		83.0	30-150			
LCS Dup (B278260-BSD1)				Prepared: 03/18/21 Analyzed: 03/19/21						
Aroclor-1016	0.94	0.10	mg/Kg	1.00		93.9	40-140	10.5	30	
Aroclor-1016 [2C]	0.84	0.10	mg/Kg	1.00		84.1	40-140	9.82	30	
Aroclor-1260	0.88	0.10	mg/Kg	1.00		88.3	40-140	9.13	30	
Aroclor-1260 [2C]	0.83	0.10	mg/Kg	1.00		83.3	40-140	7.18	30	
Surrogate: Decachlorobiphenyl	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.991*		mg/Kg	1.00		99.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.952*		mg/Kg	1.00		95.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.943*		mg/Kg	1.00		94.3	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 B278309 - SW-846 3540C										
Blank (B278309-BLK1)				Prepared: 03/18/21 Analyzed: 03/21/21						
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	*0.904*		mg/Kg	1.00		90.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.837*		mg/Kg	1.00		83.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.865*		mg/Kg	1.00		86.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.835*		mg/Kg	1.00		83.5	30-150			
LCS (B278309-BS1)				Prepared: 03/18/21 Analyzed: 03/21/21						
Aroclor-1016	0.86	0.10	mg/Kg	1.00		86.5	40-140			
Aroclor-1016 [2C]	0.83	0.10	mg/Kg	1.00		83.2	40-140			
Aroclor-1260	0.80	0.10	mg/Kg	1.00		79.7	40-140			
Aroclor-1260 [2C]	0.73	0.10	mg/Kg	1.00		73.4	40-140			
Surrogate: Decachlorobiphenyl	*0.973*		mg/Kg	1.00		97.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.895*		mg/Kg	1.00		89.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.915*		mg/Kg	1.00		91.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.877*		mg/Kg	1.00		87.7	30-150			
LCS Dup (B278309-BSD1)				Prepared: 03/18/21 Analyzed: 03/21/21						
Aroclor-1016	0.84	0.10	mg/Kg	1.00		83.9	40-140	3.04	30	
Aroclor-1016 [2C]	0.81	0.10	mg/Kg	1.00		81.1	40-140	2.55	30	
Aroclor-1260	0.77	0.10	mg/Kg	1.00		76.7	40-140	3.87	30	
Aroclor-1260 [2C]	0.70	0.10	mg/Kg	1.00		70.4	40-140	4.23	30	
Surrogate: Decachlorobiphenyl	*0.909*		mg/Kg	1.00		90.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.839*		mg/Kg	1.00		83.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.870*		mg/Kg	1.00		87.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.838*		mg/Kg	1.00		83.8	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 B278348 - SW-846 3540C										
Blank (B278348-BLK1)				Prepared: 03/19/21 Analyzed: 03/25/21						
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	*0.851*		mg/Kg	1.00		85.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.859*		mg/Kg	1.00		85.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.675*		mg/Kg	1.00		67.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.677*		mg/Kg	1.00		67.7	30-150			
LCS (B278348-BS1)				Prepared: 03/19/21 Analyzed: 03/25/21						
Aroclor-1016	0.68	0.10	mg/Kg	1.00		68.2	40-140			
Aroclor-1016 [2C]	0.76	0.10	mg/Kg	1.00		75.5	40-140			
Aroclor-1260	0.70	0.10	mg/Kg	1.00		69.9	40-140			
Aroclor-1260 [2C]	0.74	0.10	mg/Kg	1.00		74.1	40-140			
Surrogate: Decachlorobiphenyl	*0.808*		mg/Kg	1.00		80.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.824*		mg/Kg	1.00		82.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.675*		mg/Kg	1.00		67.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.681*		mg/Kg	1.00		68.1	30-150			
LCS Dup (B278348-BSD1)				Prepared: 03/19/21 Analyzed: 03/25/21						
Aroclor-1016	0.72	0.10	mg/Kg	1.00		72.0	40-140	5.42	30	
Aroclor-1016 [2C]	0.79	0.10	mg/Kg	1.00		78.8	40-140	4.24	30	
Aroclor-1260	0.73	0.10	mg/Kg	1.00		73.3	40-140	4.65	30	
Aroclor-1260 [2C]	0.77	0.10	mg/Kg	1.00		76.9	40-140	3.63	30	
Surrogate: Decachlorobiphenyl	*0.840*		mg/Kg	1.00		84.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.853*		mg/Kg	1.00		85.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.700*		mg/Kg	1.00		70.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.702*		mg/Kg	1.00		70.2	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A60.124-1031

Lab Sample ID: 21C0875-02 Date(s) Analyzed: 03/25/2021 03/25/2021

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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	0.47	
	2	0.000	0.000	0.000	0.55	15.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A2012.124-1035

Lab Sample ID: 21C0875-04 Date(s) Analyzed: 03/25/2021 03/25/2021

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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	0.95	
	2	0.000	0.000	0.000	1.0	5.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B278260-BS1 Date(s) Analyzed: 03/19/2021 03/19/2021

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	0.85	
	2	0.000	0.000	0.000	0.76	11.2
Aroclor-1260	1	0.000	0.000	0.000	0.81	
	2	0.000	0.000	0.000	0.78	3.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B278260-BSD1 Date(s) Analyzed: 03/19/2021 03/19/2021

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	0.94	
	2	0.000	0.000	0.000	0.84	11.2
Aroclor-1260	1	0.000	0.000	0.000	0.88	
	2	0.000	0.000	0.000	0.83	5.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B278309-BS1 Date(s) Analyzed: 03/21/2021 03/21/2021

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	0.86	
	2	0.000	0.000	0.000	0.83	4.7
Aroclor-1260	1	0.000	0.000	0.000	0.80	
	2	0.000	0.000	0.000	0.73	9.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B278309-BSD1 Date(s) Analyzed: 03/21/2021 03/21/2021

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	0.84	
	2	0.000	0.000	0.000	0.81	3.6
Aroclor-1260	1	0.000	0.000	0.000	0.77	
	2	0.000	0.000	0.000	0.70	9.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B278348-BS1 Date(s) Analyzed: 03/25/2021 03/25/2021

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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	0.76	11.1
Aroclor-1260	1	0.000	0.000	0.000	0.70	
	2	0.000	0.000	0.000	0.74	5.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B278348-BSD1 Date(s) Analyzed: 03/25/2021 03/25/2021

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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	0.72	
	2	0.000	0.000	0.000	0.79	9.3
Aroclor-1260	1	0.000	0.000	0.000	0.73	
	2	0.000	0.000	0.000	0.77	5.3

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

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.

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	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2021
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2021
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2021
FL	Florida Department of Health	E871027 NELAP	06/30/2021
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2021
ME	State of Maine	MA00100	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2021
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2021
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

2103875

con-test ANALYTICAL LABORATORY

http://www.contestlabs.com

Doc # 381 Rev 2_06262019

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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

Company Name:
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980

Project Name:
Project Location: 52 Institute Road, Burlington, Vermont
Project Number: 280BS01563 Phase 012
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: N. Amato, J. Adams, K. Paritz

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

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

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 Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
1	210315.A68.124-1029	3/16/21	10:28	Grab	O	U		1				✓	✓
2	210315.A69.124-1031		11:08	Grab	O	U		1				✓	✓
3	210315.A43.124-1033		11:38	Grab	O	U		1				✓	✓
4	210315.A2012.124-1035		11:53	Grab	O	U		1				✓	✓
5	210315.A28.124-1037		13:53	Grab	O	U		1				✓	✓
6	210315.A109.124-1039		14:49	Grab	O	U		1				✓	✓
7	210315.A2010-124-1041		15:07	Grab	O	U		1				✓	✓
8	210315.A2008-124-1043		15:22	Grab	O	U		1				✓	✓
9	210315.A135.124-1045		15:36	Grab	O	U		1				✓	✓
10	210316.A30.125-1047	3/16/21	8:33	Grab	O	U		1				✓	✓

[2] Preservation Code

Carrier Use Only
Total Number Of:
VIALS
GLASS 19
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)

Relinquished by: (signature)	Date/Time:
	3/16/21 1500
Received by: (signature)	Date/Time:
[illegible] MM	3/17/21 10:55 am
Relinquished by: (signature)	Date/Time:
[illegible] MM	3/17/21 10:55
Received by: (signature)	Date/Time: 10:55
[illegible]	3/17/2021
Relinquished by: (signature)	Date/Time: 1800
[illegible]	3/17/2021
Received by: (signature)	Date/Time:
[illegible] 3.1	3/17/21 1800
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:
Conduct Extraction only
Do not analyze until further Instruction

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab 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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210875

con-test ANALYTICAL LABORATORY

http://www.contestlabs.com

Doc # 381 Rev 2_06262019

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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 2

Company Name:
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980

Project Name:
Project Location: 52 Institute Road, Burlington, Vermont
Project Number: 280BS01563 Phase 012
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: N. Amato, J. Adams, K. Paritz

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

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

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 Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
11	210316.A32.125-1049	3/16/21	08:42	Grab	O	U		1				✓	✓
12	210316.A100.125-1051		09:05	Grab	O	U		1				✓	✓
13	210316.A138-125-1055		09:29	Grab	O	U		1				✓	✓
14	210316.A140.125-1057		09:57	Grab	O	U		1				✓	✓
15	210316.A2003.125-1059		10:23	Grab	O	U		1				✓	✓
16	210316.A55.125-1062		12:14	Grab	O	U		1				✓	✓
17	210316.A114.125-1064		12:46	Grab	O	U		1				✓	✓
18	210316.A112.125-1068		12:54	Grab	O	U		1				✓	✓
19	210316.A116.125-1070		13:24	Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS 19
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)

Relinquished by: (signature)	Date/Time:
	3/16/21 1500
Received by: (signature)	Date/Time:
9MM	3/17/21 10:55 am
Relinquished by: (signature)	Date/Time:
9MM	3/17/21 10:55
Received by: (signature)	Date/Time: 10:55
	3/17/21
Relinquished by: (signature)	Date/Time: 1500
	3/17/21
Received by: (signature)	Date/Time:
3.1	3/17/21 1500
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:
Conduct Extraction only
Do not analyze - until further instruction

Detection Limit Requirements
MA
am
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab 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

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

con-test® ANALYTICAL LABORATORY

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 CA Date 3/17/21 Time 1800

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 # 2 Actual Temp - 3.1 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NR

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? NA 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? NA Acid _____ Base _____

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	19
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:

Analysis
8082 Soxhlet TRAY311

PREPARATION BENCH SHEET

B278309

Con-Test, a Pace Analytical Laboratory

Printed: 3/18/2021 5:14:07PM

Prepared using: SW-846 3540C

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

3/25/21

*ATC.

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B278309-BLK1	Blank			AVF 3.19.21		2.00	10.0		1000		
B278309-BS1	LCS					"		1000	1000		
B278309-BSD1	LCS Dup					"		1000	1000		
B278309-MS1	Matrix Spike [21C0928-01]					2.2		1000	1000		
B278309-MSD1	Matrix Spike Dup [21C0928-01]					2.0		1000	1000		
21C0875-18	210315.A112.125-1068 30-4E	03/24/21	03/30/21			2.0			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-19	210315.A116.125-1070 "	03/24/21	03/30/21			2.0			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0928-01	210317.B32.126-1072 30-4F	03/29/21	03/31/21			2.0			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0928-02	210317.B2006.126-107.4	03/29/21	03/31/21			2.1			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0928-03	210317.B28.126-1076	03/29/21	03/31/21			2.0			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0928-04	210317.B48.126-1078	03/29/21	03/31/21			2.1			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0928-05	210317.B19.126-1080	03/29/21	03/31/21			2.1			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0928-06	210317.B2004.126-1082	03/29/21	03/31/21			2.0			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7

Limited sample

SP VIT AVF CAH — 3.18.21
Spikedby/Witnessed By — Date

AVF — 3.18.21
Extracted By — Date

Loaded 032521 #1 TG
Prepped 032521 JR

C:\ELMNT\Print\bch_DEF_EXT_TAT.rpt

Analysis
8082 Soxhlet

PREPARATION BENCH SHEET

B278260

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 3/18/2021 2:04:12PM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

3/25/21

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B278260-BLK1	Blank			LG 3/19/21	#26	2.00	10.0		1000		
B278260-BS1	LCS							1000	1000		
B278260-BSD1	LCS Dup							1000	1000		
21C0875-01	210315.A68.124-1029 30-4E	03/24/21	03/29/21			2.38			1000	EXTRACT & HOLD, RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-02	210315.A60.124-1031	03/24/21	03/29/21			2.40			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-03	210315.A43.124-1033	03/24/21	03/29/21			2.00			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-04	210315.A2012.124-1035	03/24/21	03/29/21			2.27			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-05	210315.A28.124-1037	03/24/21	03/29/21			2.41			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-06	210315.A109.124-1039	03/24/21	03/29/21	LG 3/19/21	#26	2.35	10.0		1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-07	210315.A2010.124-1041	03/24/21	03/29/21			2.16			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-08	210315.A2008.124-1043	03/24/21	03/29/21			2.37			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5

LJH CAH — SPK DMP — 3/18/21
Spikedby/Witnessed By — Date

DMP — 3/18/21
Extracted By — Date

*sample blew out AHF 3.19.21 need re-extract.

C:\ELMNT\Print\bch_DEF_EXT_TAT.rpt

Loaded 032521 #1 WO#875 prepped in 28F

Analysis
8082 Soxhlet

PREPARATION BENCH SHEET

B278260

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 3/18/2021 2:04:12PM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
21C0875-09	210315.A135.124-1045	03/24/21	03/29/21	LG 3/19/21	# 26	2.13	10.0		1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-10	210315.A30.124-1047	03/24/21	03/30/21			2.12			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-11	210315.A32.125-1049	03/24/21	03/30/21			2.09			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-12	210315.A100.125-1051	03/24/21	03/30/21			2.16			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-13	210315.A138.125-1055	03/24/21	03/30/21			2.19			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-14	210315.A140.125-1057	03/24/21	03/30/21	LG	#87	2.13	10.0		1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-15	210315.A2003.125-1059	03/24/21	03/30/21			2.01			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-16	210315.A55.125-1062	03/24/21	03/30/21			2.07			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-17	210315.A114.125-1064	03/24/21	03/30/21			2.04			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5

Spikedby/Witnessed By Date

Extracted By Date

C:\ELMNT\Print\bch_DEF_EXT_TAT.rpt

Analysis
8082 Soxhlet

PREPARATION BENCH SHEET

B278260

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 3/18/2021 2:04:12PM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
21C0909-21 ✓	210316.A116.125-1069	03/24/21	03/30/21			2.10			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0909-22 ✓	210316.A2011.125-1071	03/24/21	03/30/21			2.06			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0909-23 ✓	210316.A144.125-1060	03/24/21	03/30/21			2.05			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5

START DATE/TIME:
END DATE/TIME:
SPK Start Date/Time 3/18/21 @ 15:15
WIT:
StopDate/Time 3/19/21 07:27

Standard ID#	Description	Manufacture Lot#
2007070	Sodium Sulfate (Drum 45.5kg)	0000240206
2102079	Acetone	EA362-US
2102208	Methylene Chloride (200 L Drum)	EA414-US
2102275	Hexanes	60311
2102300	Filter Paper (VWR 043) Fluted	A29495172
2103038	Filter Paper (VWR 121) 15.0cm	17184076
2103253	Sodium Sulfate (Baked)	Sodium Sulfate/2
2103299	Distilled Solvent - MeCl2	DCM/ACE

balance S/N: 525973

Spikedby/Witnessed By Date

Extracted By Date

C:\ELMNT\Print\bch_DEF_EXT_TAT.rpt

Analysis
8082 Soxhlet

PREPARATION BENCH SHEET

B278348

Con-Test, a Pace Analytical Laboratory

Printed: 3/19/2021 7:51:40AM

Prepared using: SW-846 3540C

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

*Extract + Holds.

3/25/21

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B278348-BLK1	Blank			LG 3/22/21	*1 59	2.0	10.0		1000		
B278348-BS1	LCS							1000	1000		
B278348-BSD1	LCS Dup							1000	1000		
21C0875-03	210315.A43.124-1033 30-4E	03/24/21	03/29/21			2.25			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-04	210315.A2012.124-1035	03/24/21	03/29/21			2.08			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-05	210315.A28.124-1037	03/24/21	03/29/21			2.0			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0929-01	210317.B32.126-1073 30-4F	03/29/21	03/31/21	AH 3/22/21	#311	2.05	10.0		1000	Extract & Hold RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0929-02	210317.B2006.126-1075	03/29/21	03/31/21			2.09			1000	Extract & Hold RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0929-03	210317.B28.126-1077	03/29/21	03/31/21			2.07			1000	Extract & Hold RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0929-04	210317.B48.126-1079	03/29/21	03/31/21	TNH 3/23/21	#311	2.00	10.0		1000	Extract & Hold RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0929-05	210317.B19.126-1081	03/29/21	03/31/21			2.03			1000	Extract & Hold RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7

WT ESO SPK SPF 3-20-21
Spikedby/Witnessed By Date

Extracted By Date

Loaded 032521 #1 JG

Placed 032521 TM

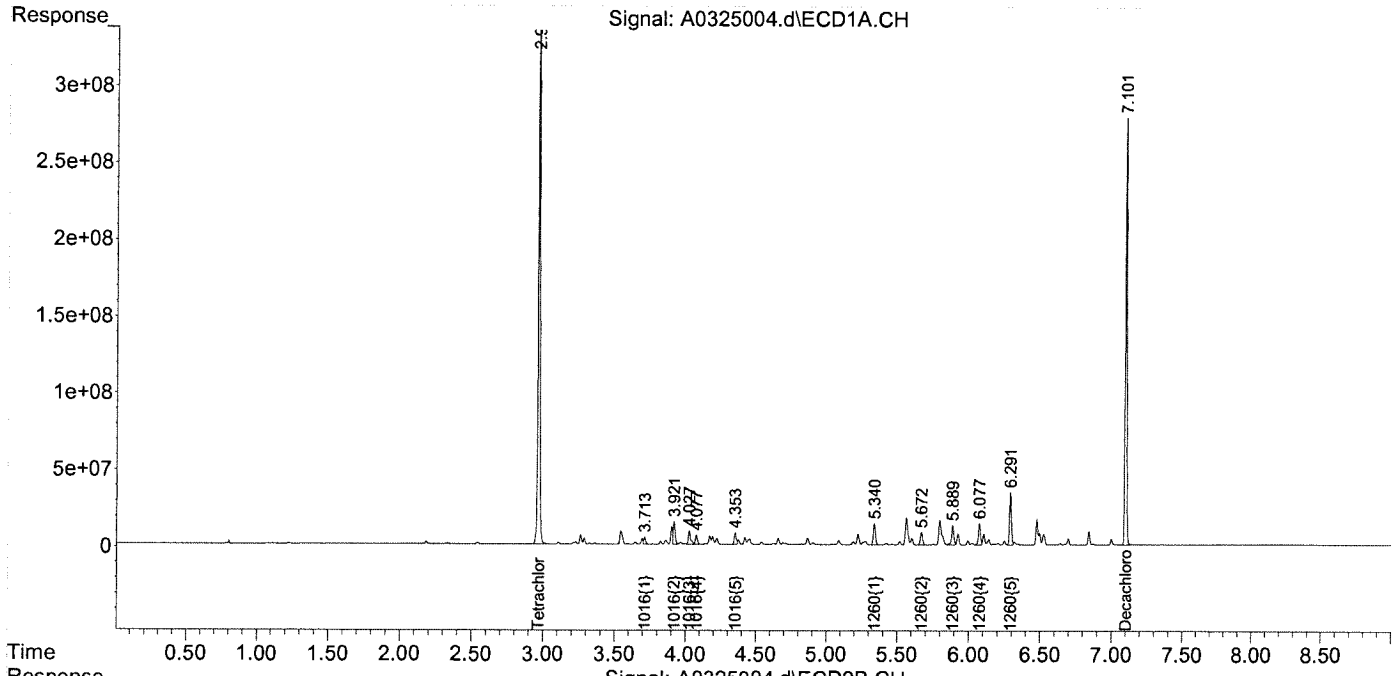
C:\ELMNT\Print\bch_DEF_EXT_TAT.rpt

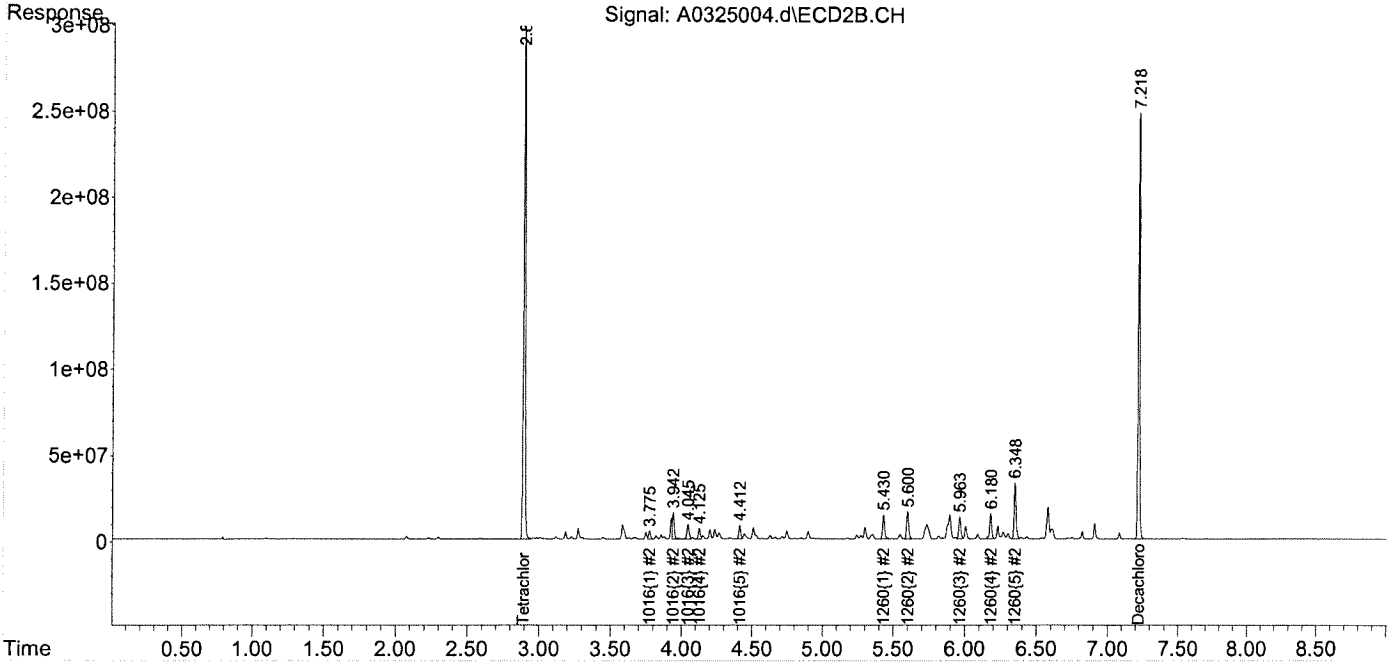
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325004.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 8:16 am
Operator : JMB
Sample : 1260/1016 100 2102019 Inst : ECD1
Misc : mix[s,11,17]
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 08:59:27 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



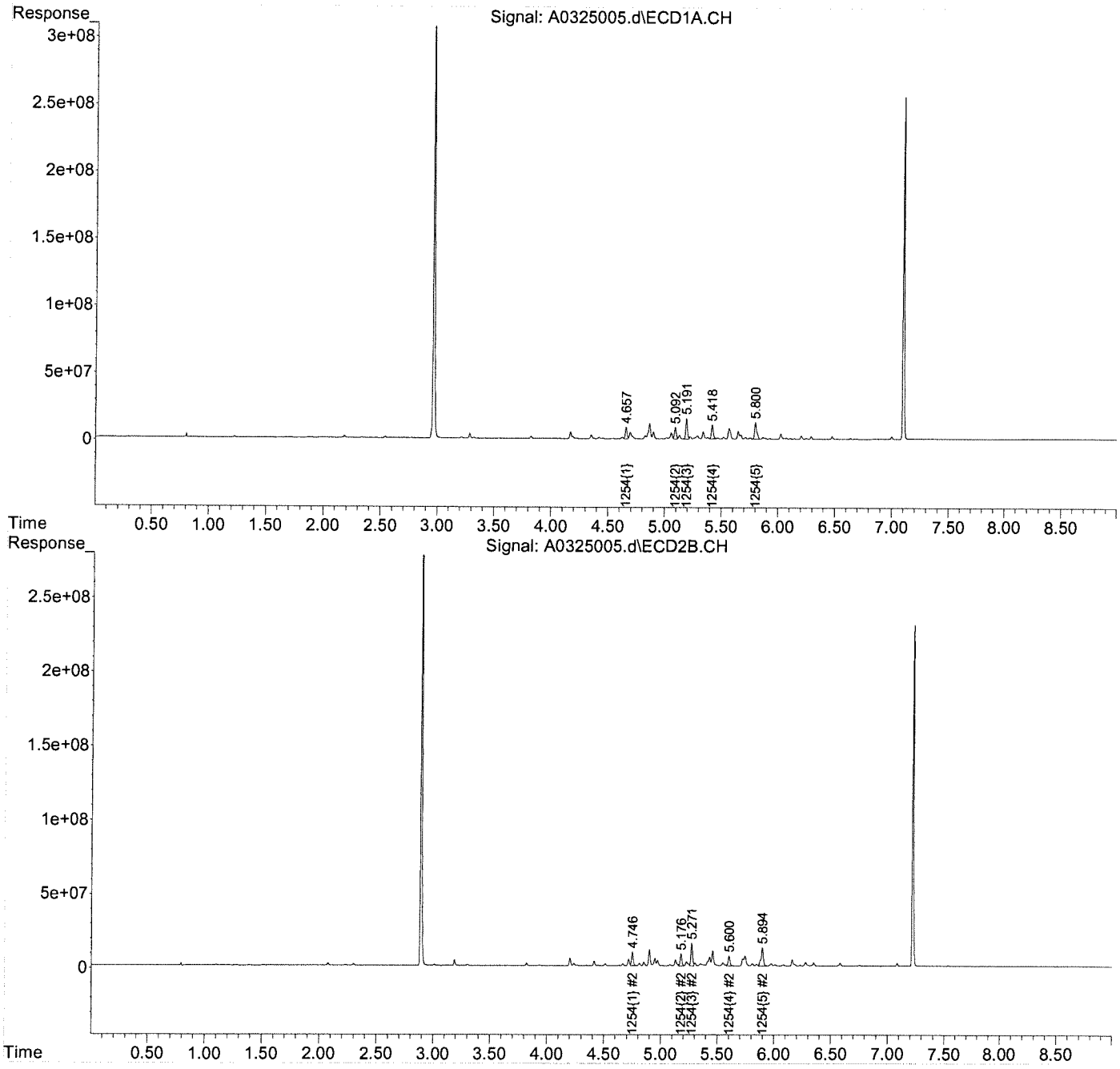


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325005.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 8:28 am
Operator : JMB
Sample : 1254 100 2010265 Inst : ECD1
Misc : mix[16]
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 08:59:31 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

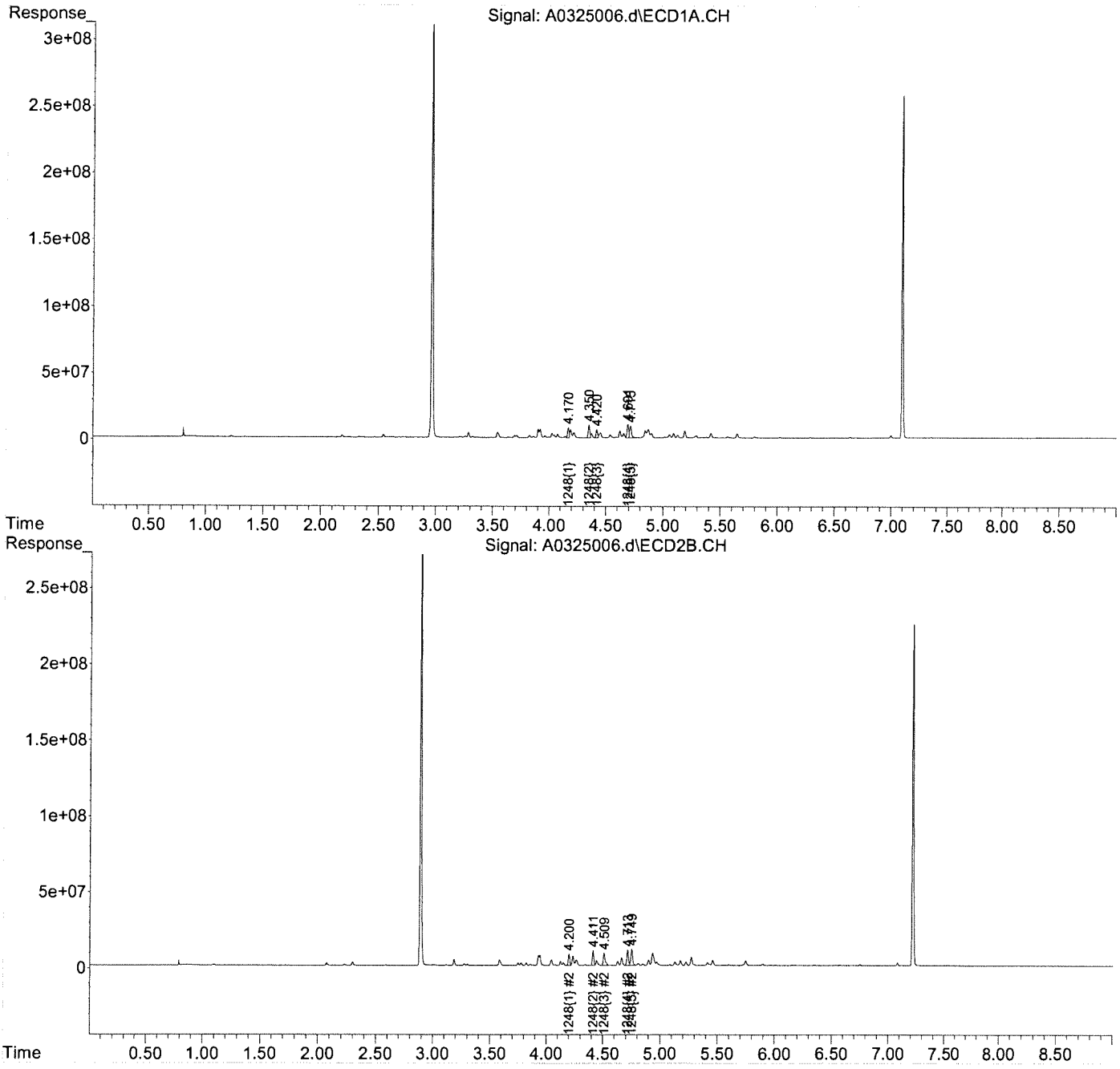


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325006.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 8:41 am
Operator : JMB
Sample : 1248 100 2010210 Inst : ECD1
Misc : mix[15]
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 08:59:35 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

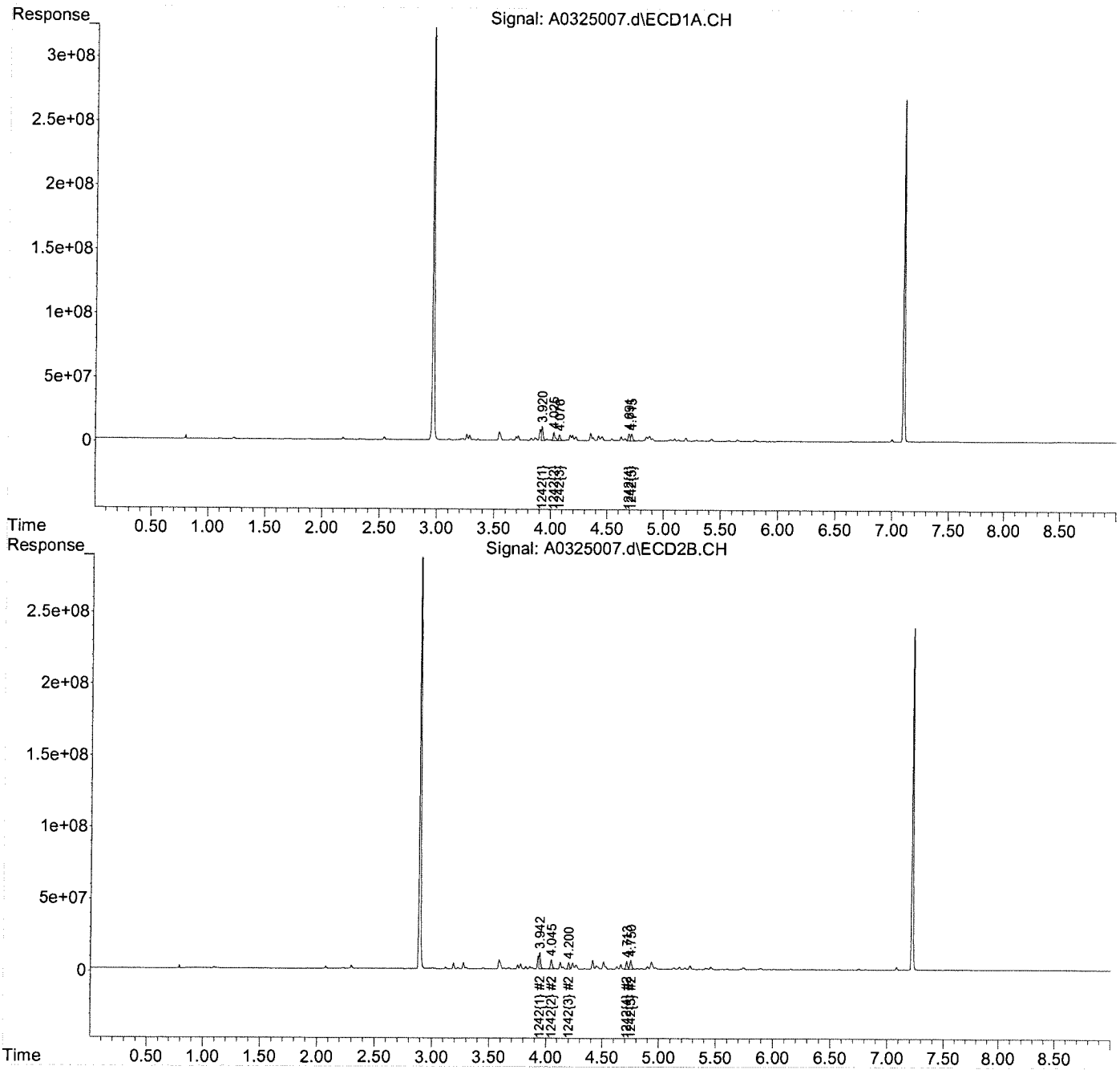


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325007.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 8:54 am
Operator : JMB
Sample : 1242 100 2009334 Inst : ECD1
Misc : mix[14]
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 09:04:34 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

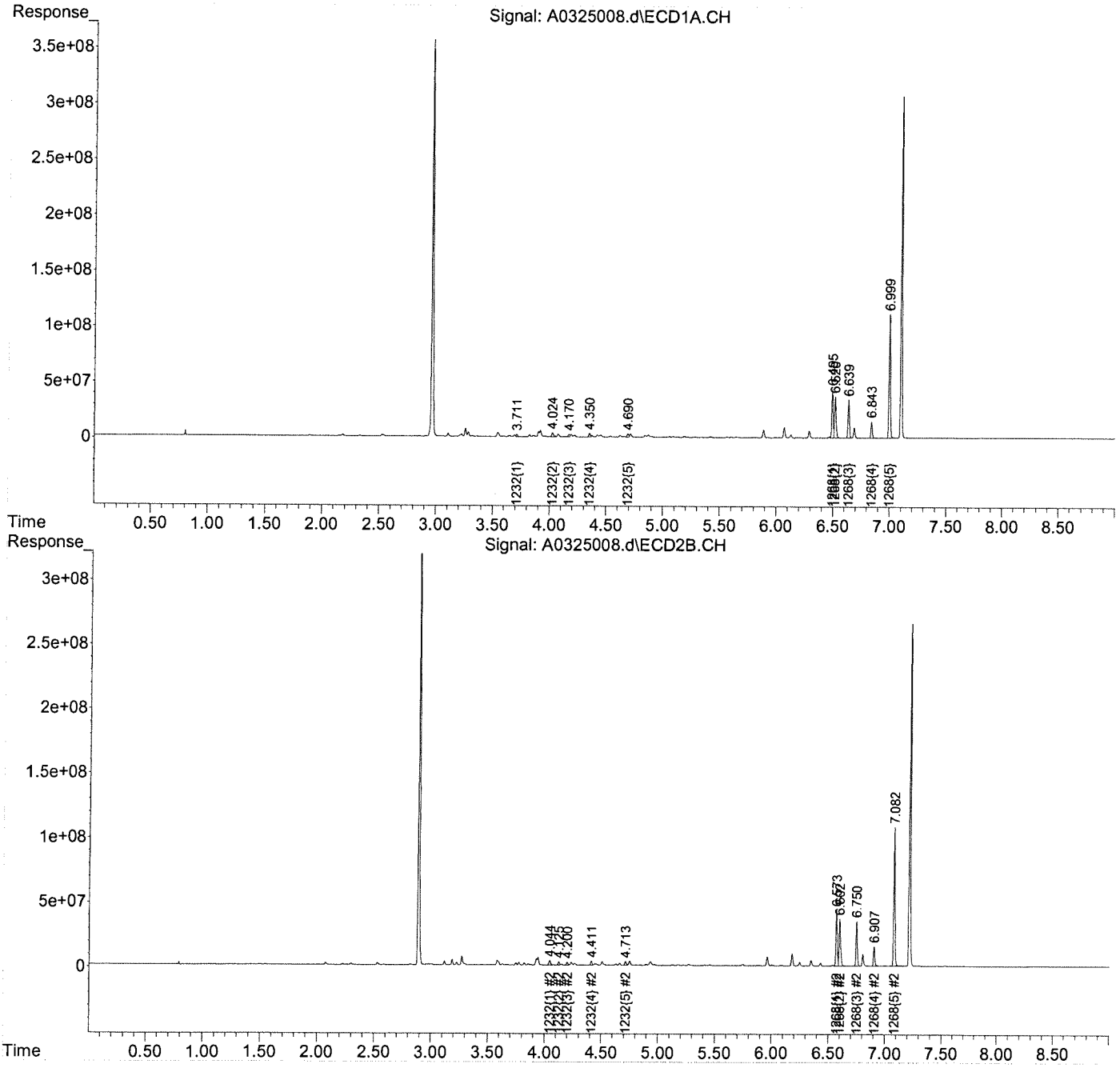


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325008.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 9:07 am
Operator : JMB
Sample : 1232/1268 100 2012310 Inst : ECD1
Misc : mix[13,19]
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 09:51:12 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

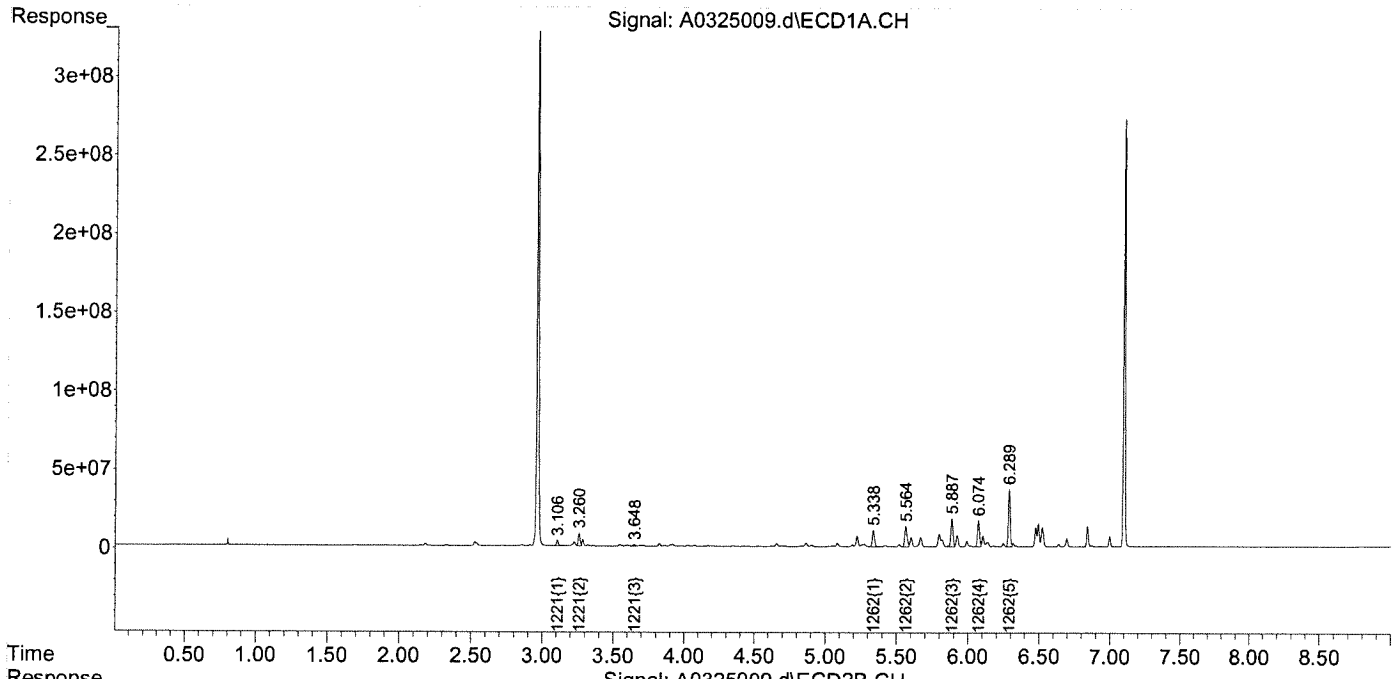


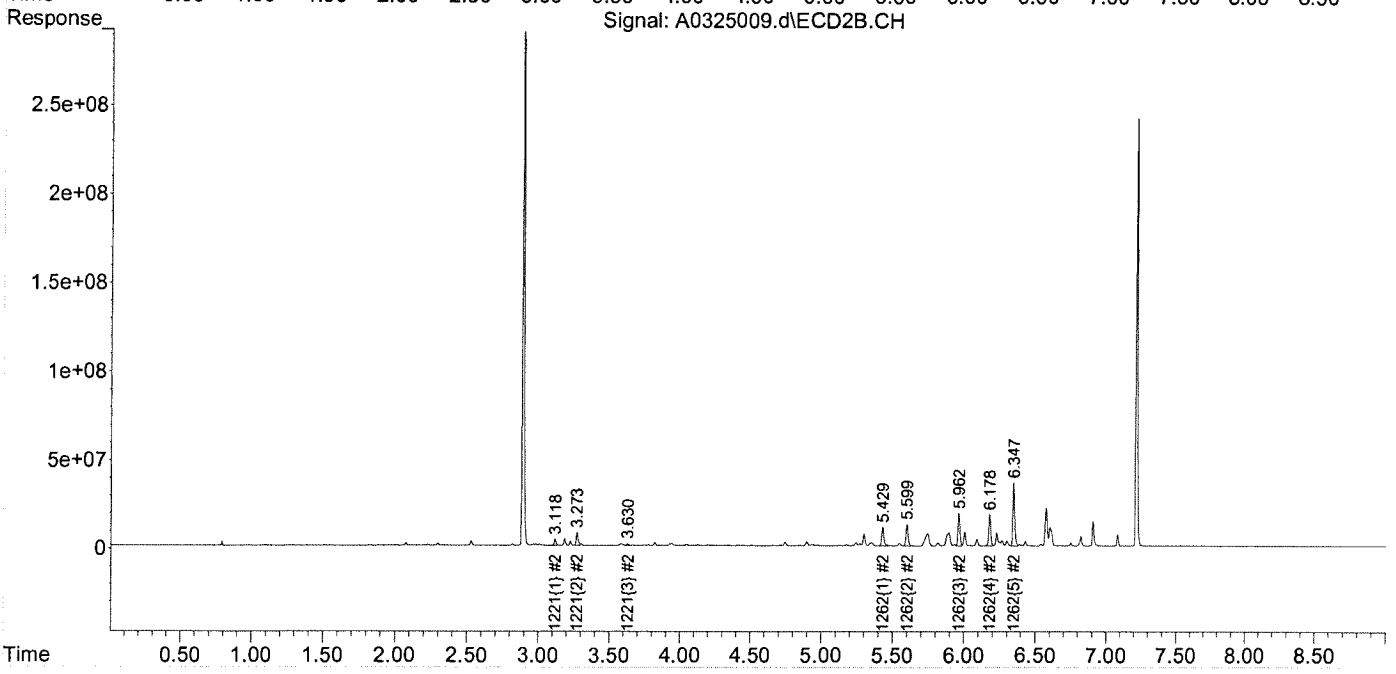
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325009.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 9:20 am
Operator : JMB
Sample : 1221/1262 100 2012379 Inst : ECD1
Misc : mix[12,18]
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 09:51:17 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



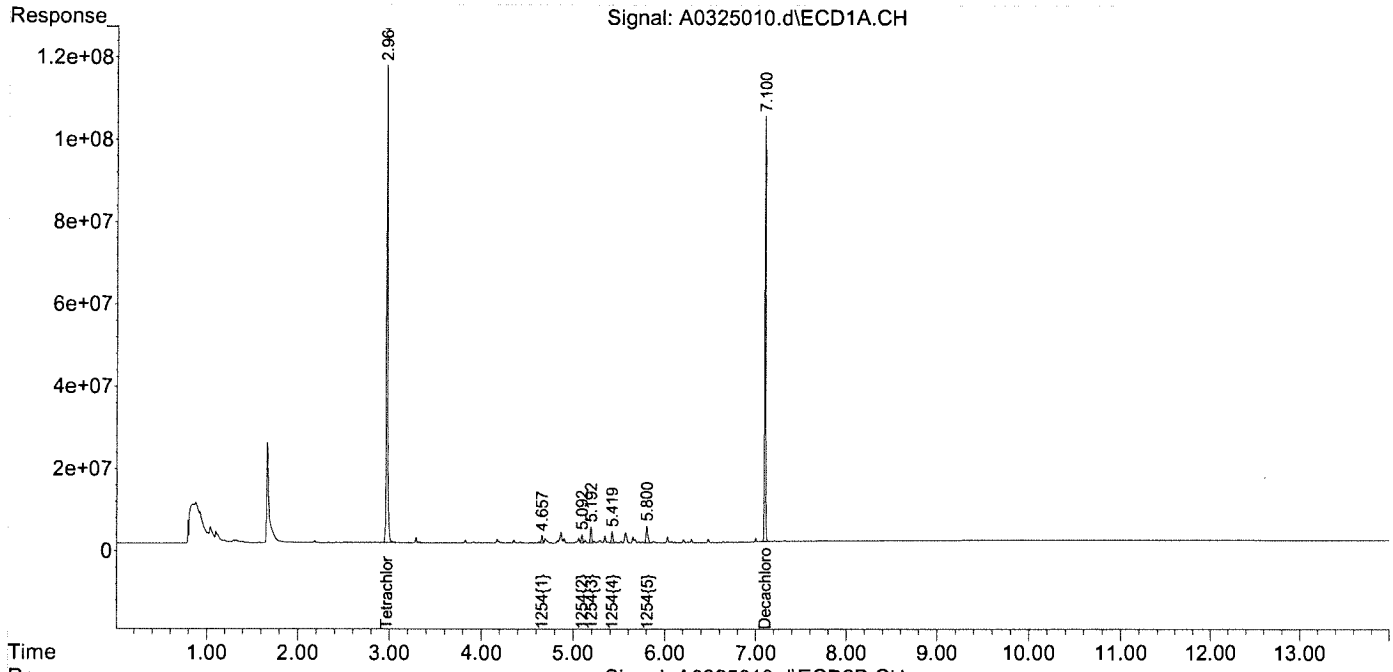


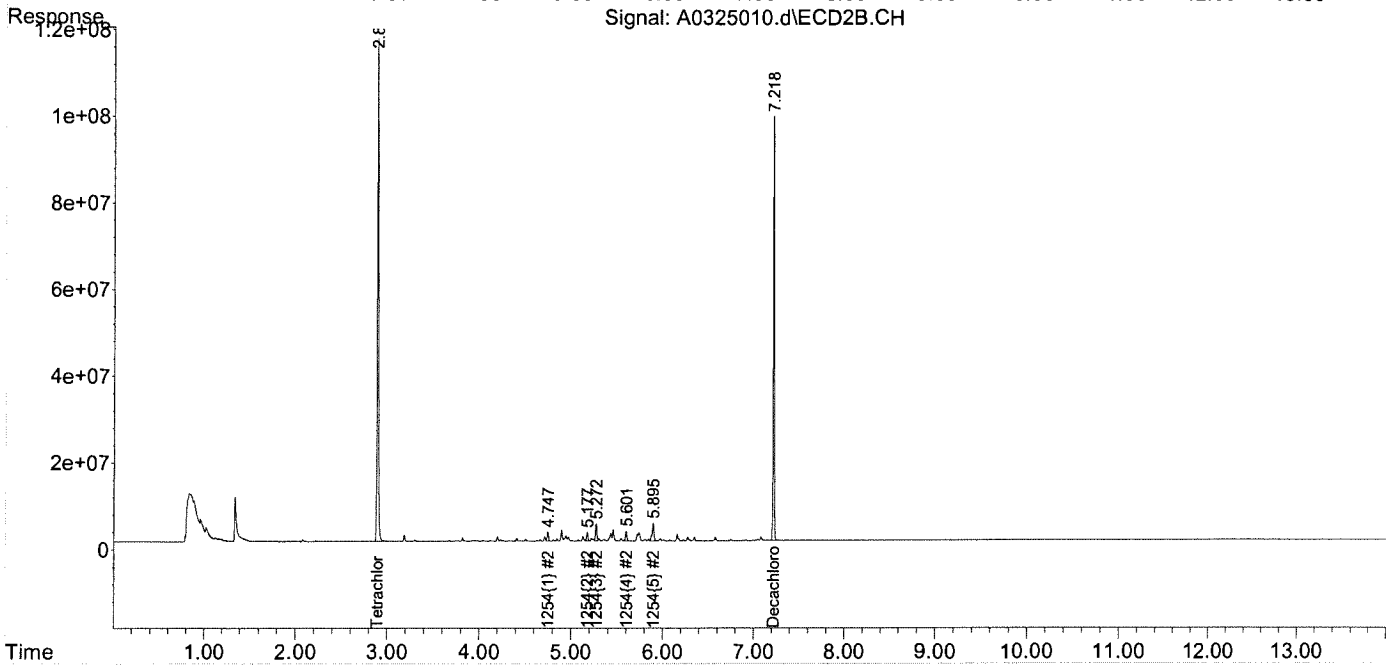
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325010.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 9:33 am
Operator : JMB
Sample : 21C0875-02@5X TBA Inst : ECD1
Misc :
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:12:58 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



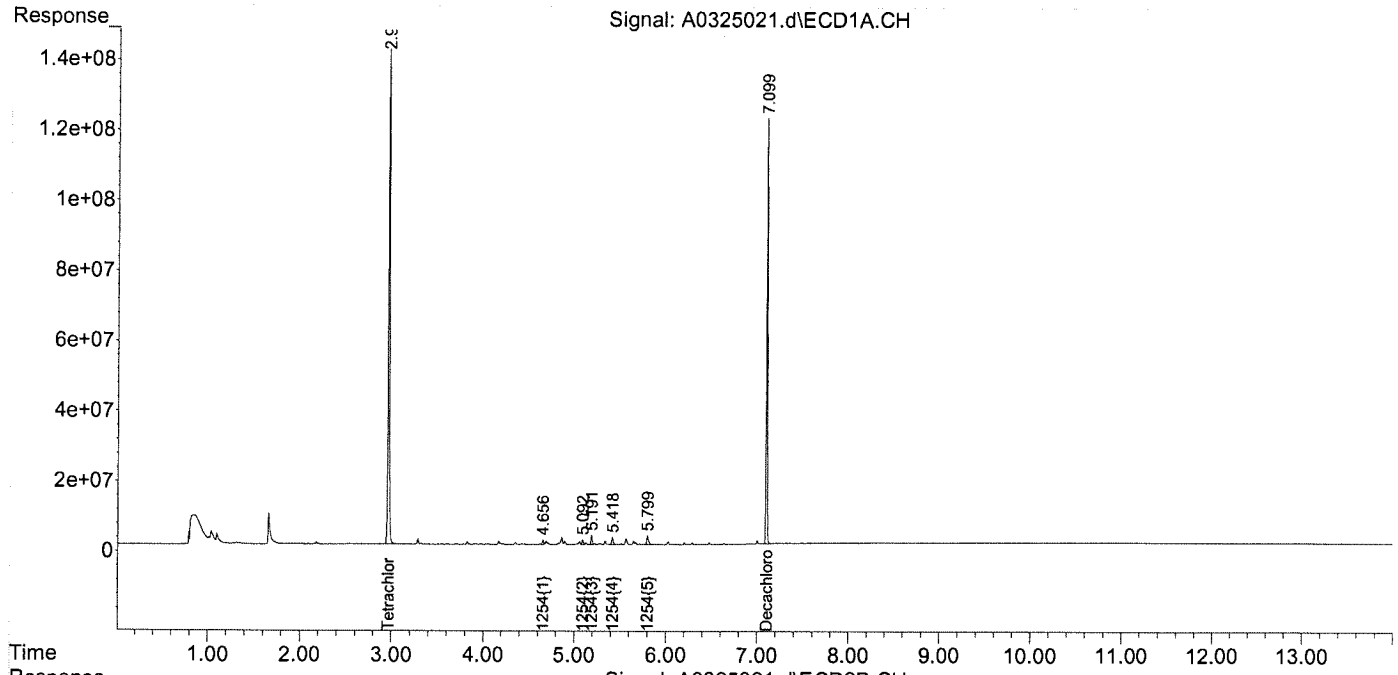


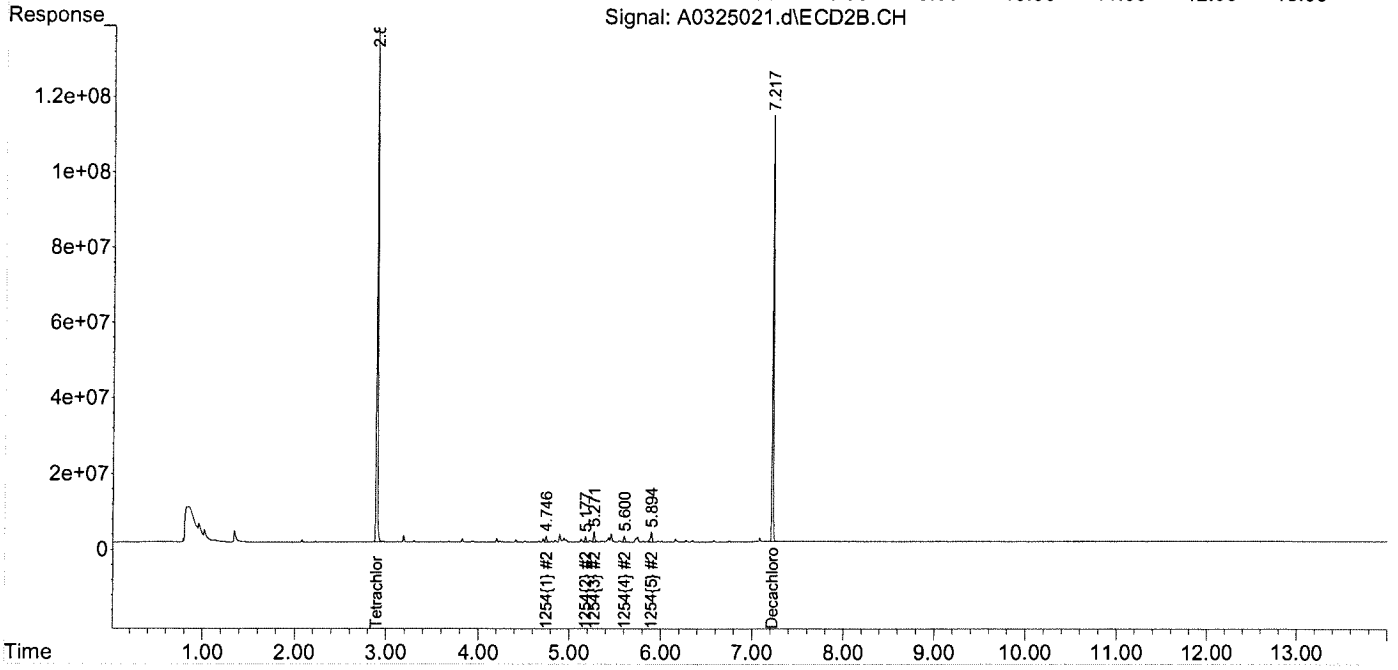
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325021.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 12:35 pm
Operator : JMB
Sample : 21C0875-03@5X TBA Inst : ECD1
Misc :
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:23:15 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



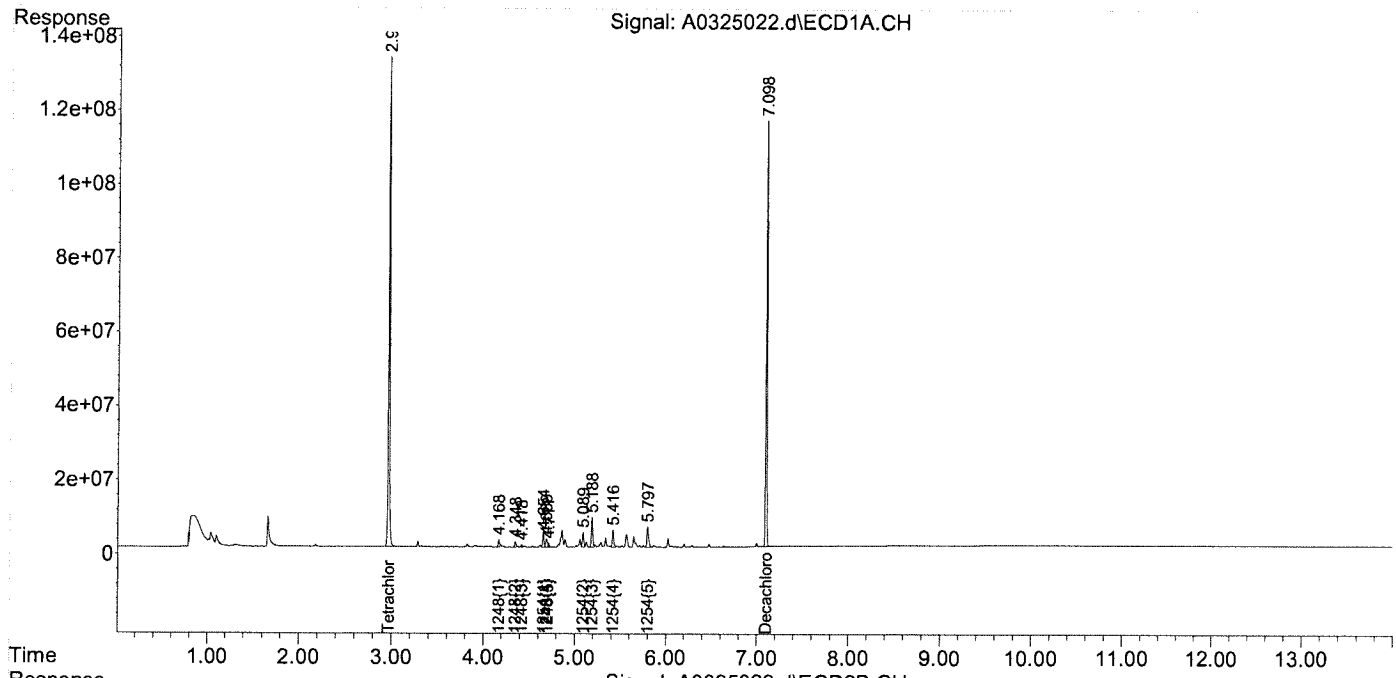


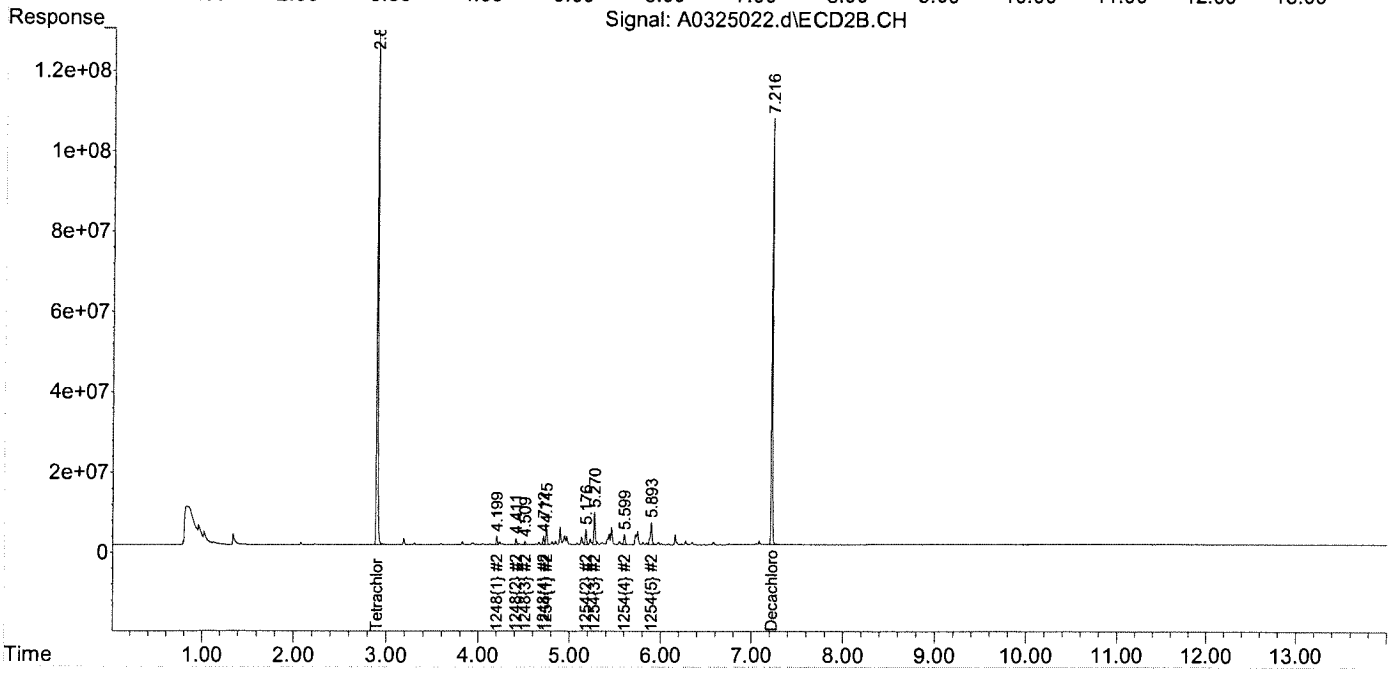
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325022.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 12:53 pm
Operator : JMB
Sample : 21C0875-04@5X TBA Inst : ECD1
Misc :
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:23:56 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



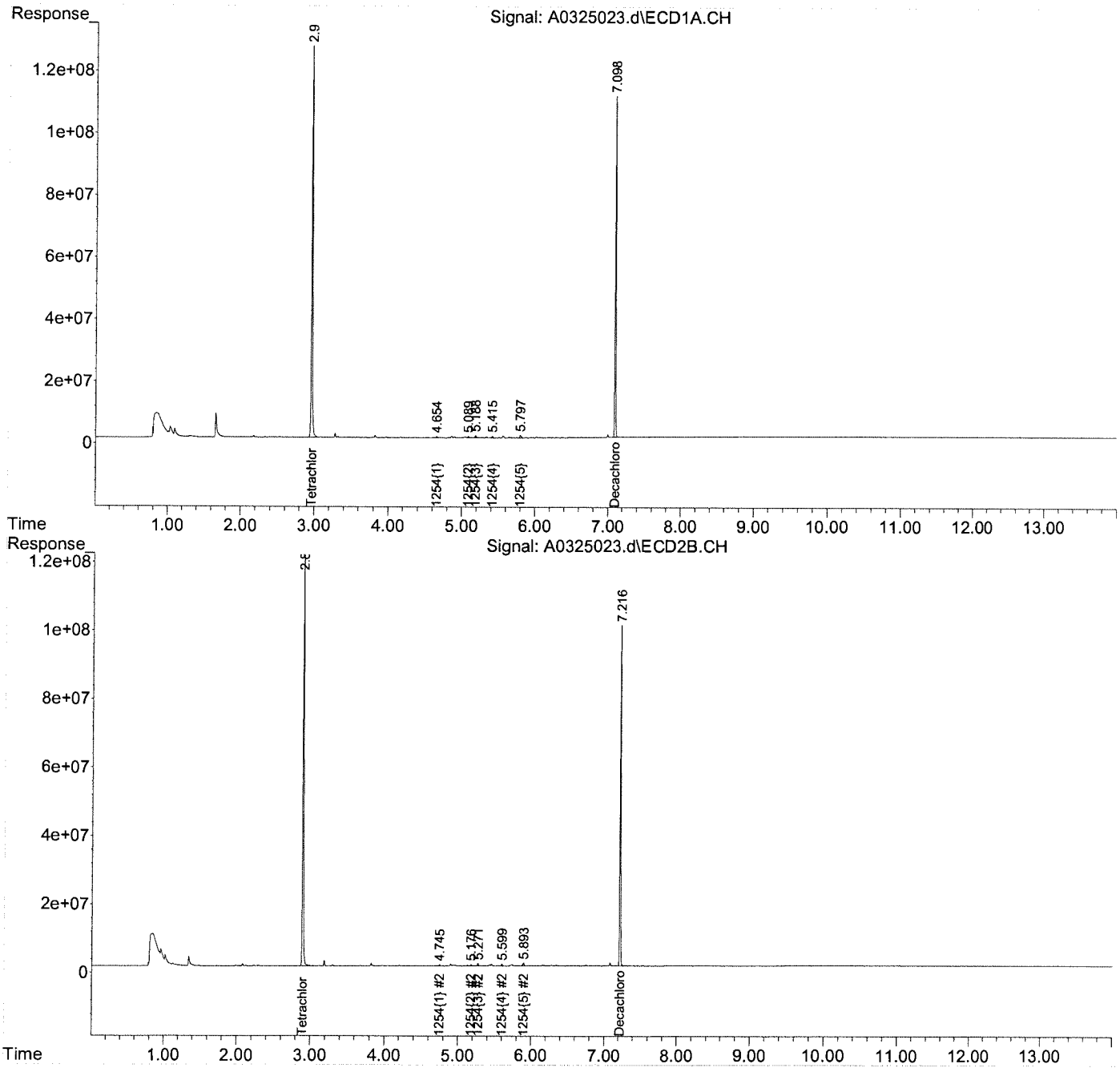


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325023.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 13:11 pm
Operator : JMB
Sample : 21C0875-05@5X TBA Inst : ECD1
Misc :
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:25:35 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

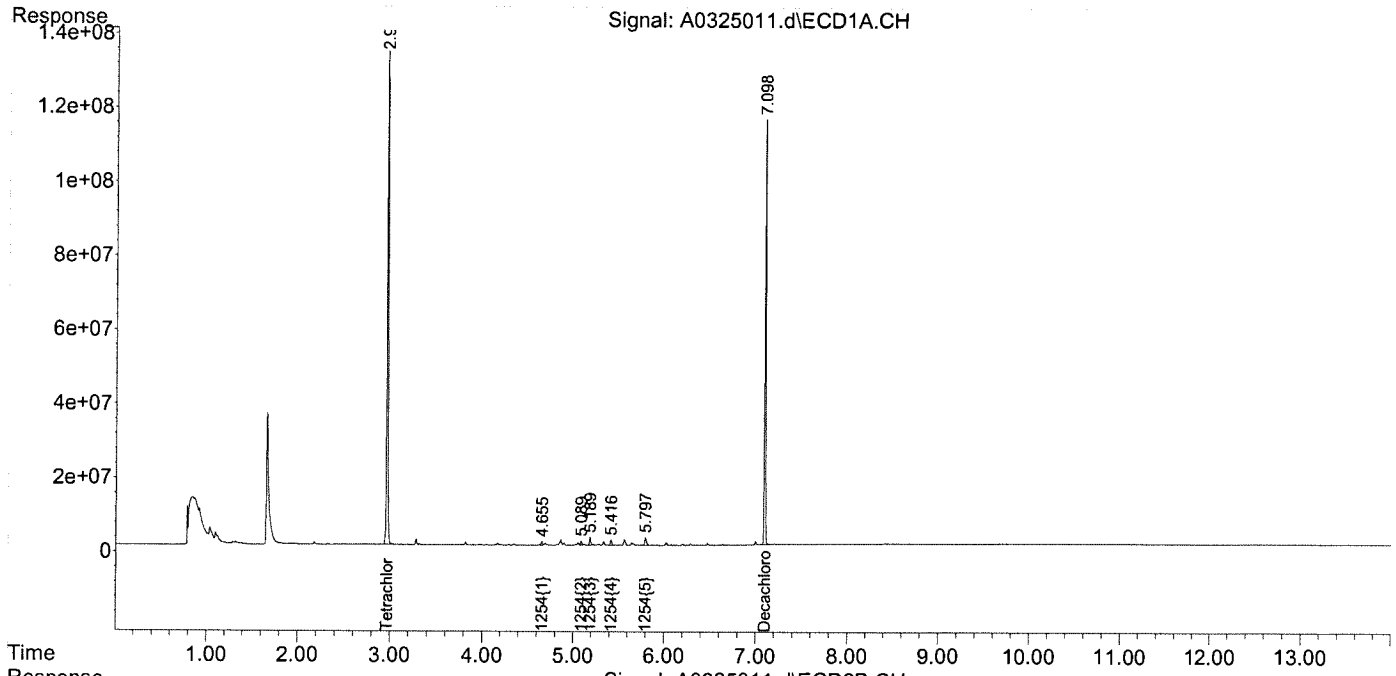


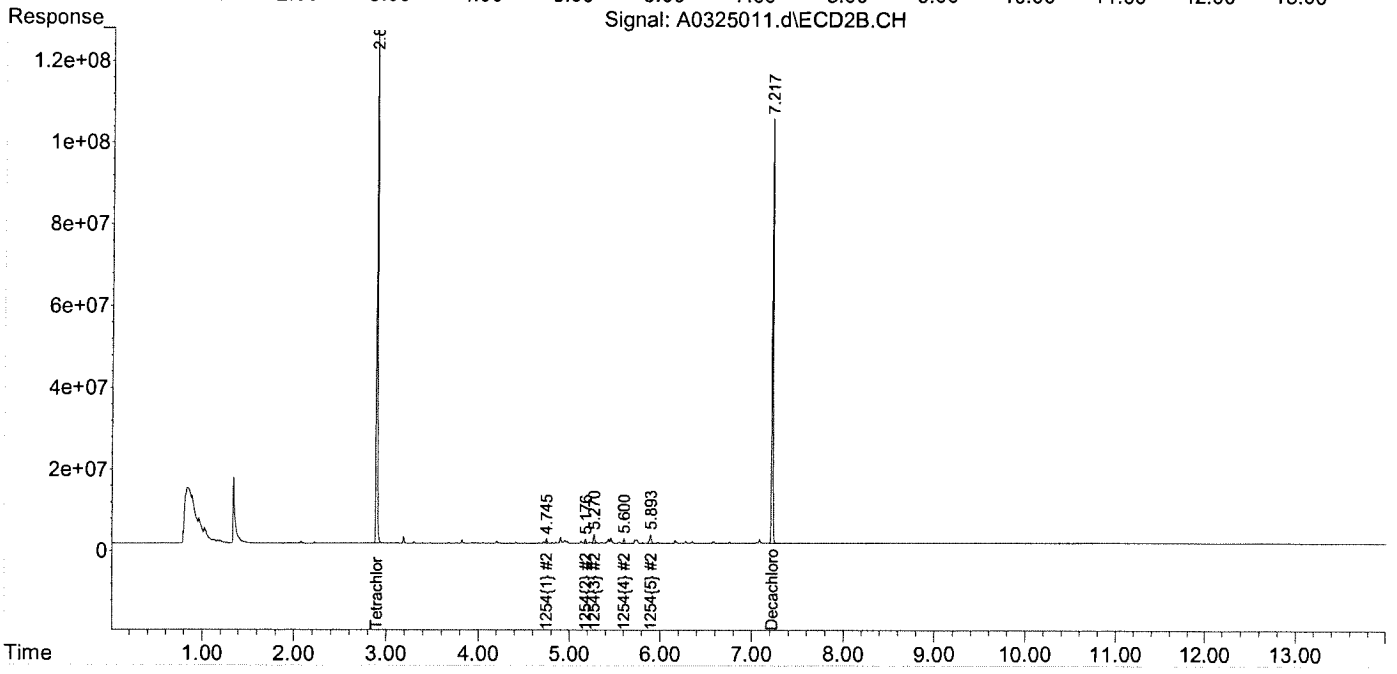
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325011.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 9:51 am
Operator : JMB
Sample : 21C0875-07@5X TBA Inst : ECD1
Misc :
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:13:37 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



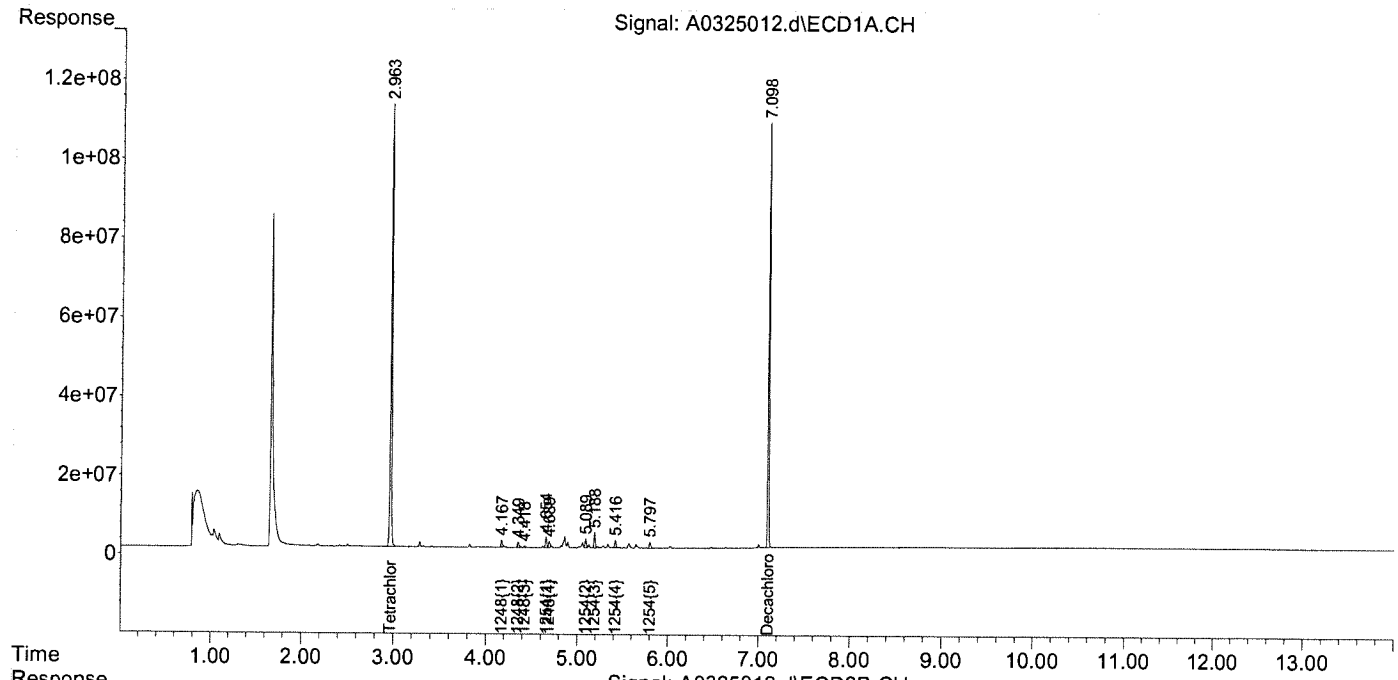


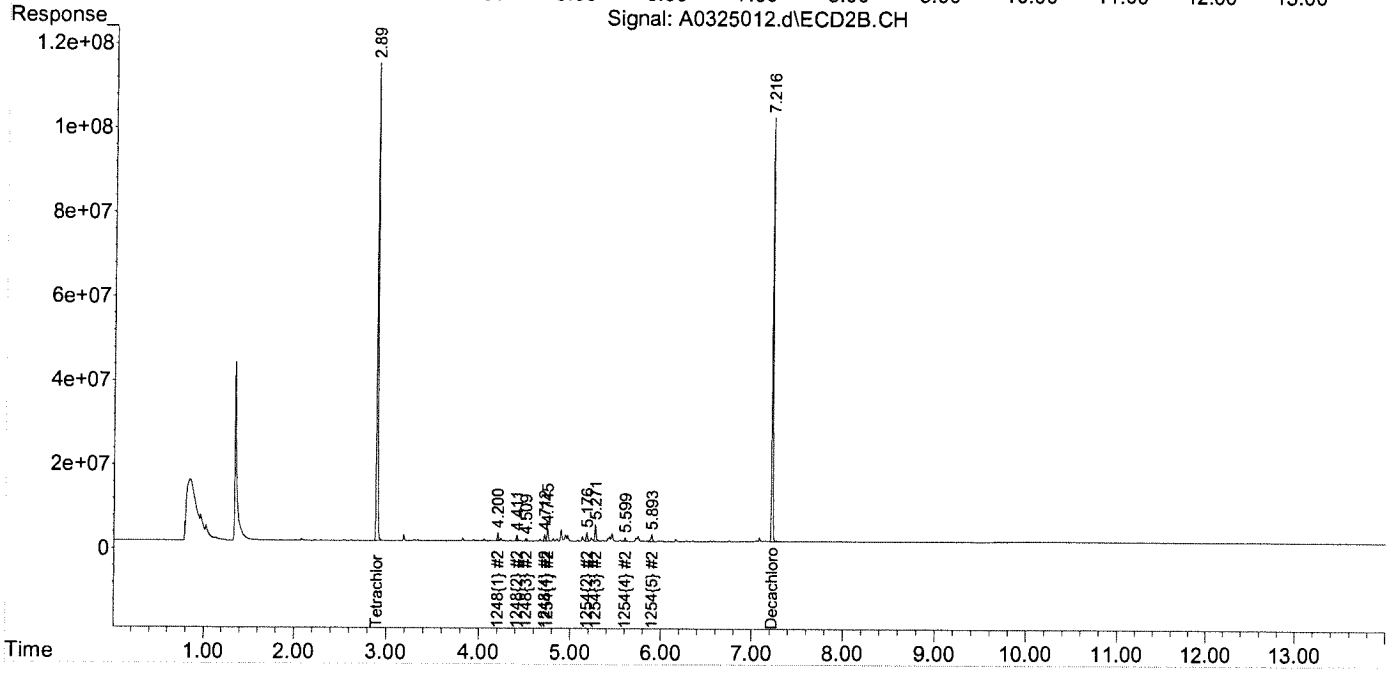
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325012.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 10:09 am
Operator : JMB
Sample : 21C0875-09@5X TBA Inst : ECD1
Misc :
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:15:13 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



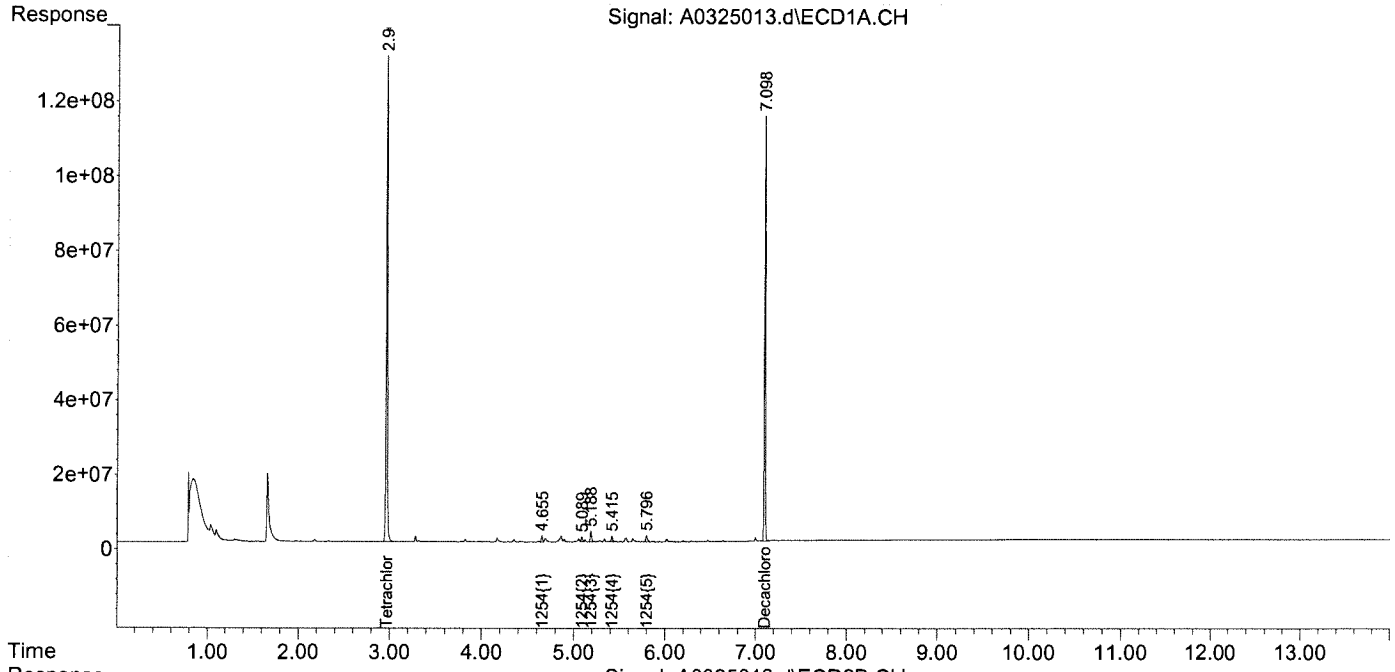


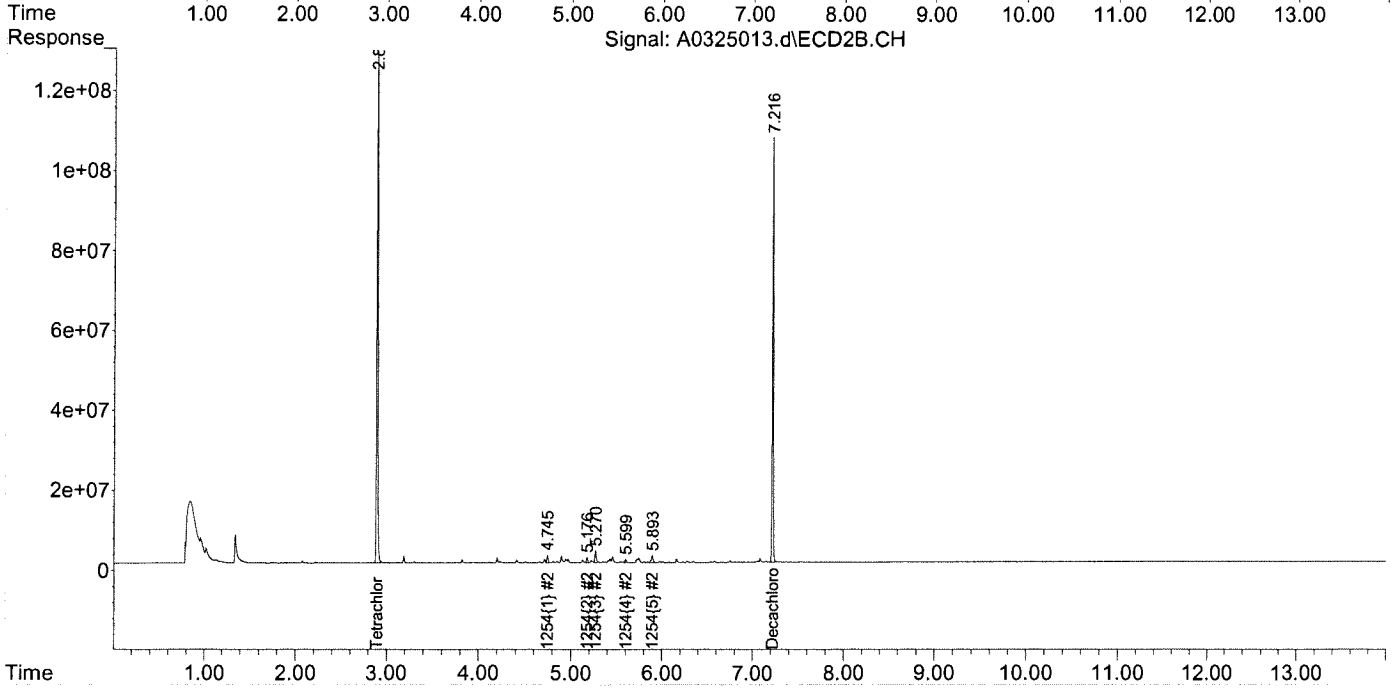
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325013.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 10:27 am
Operator : JMB
Sample : 21C0875-11@5X TBA Inst : ECD1
Misc :
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:20:02 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



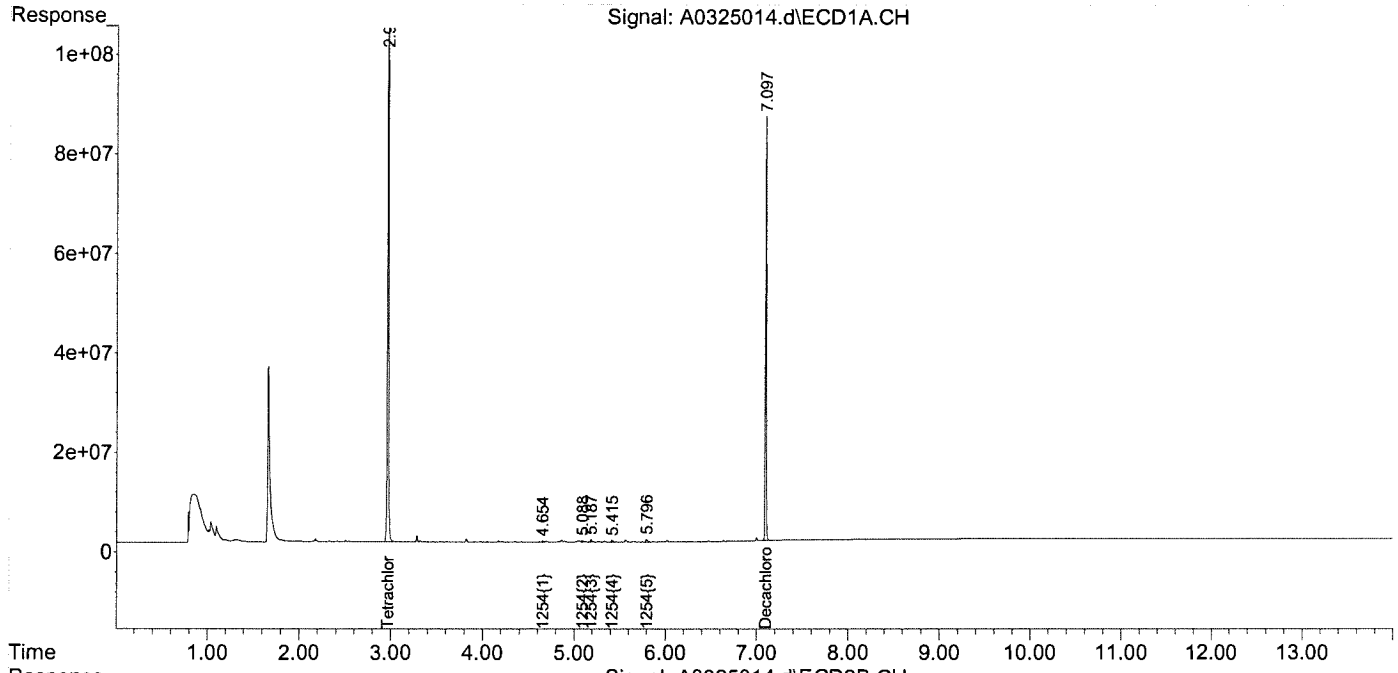


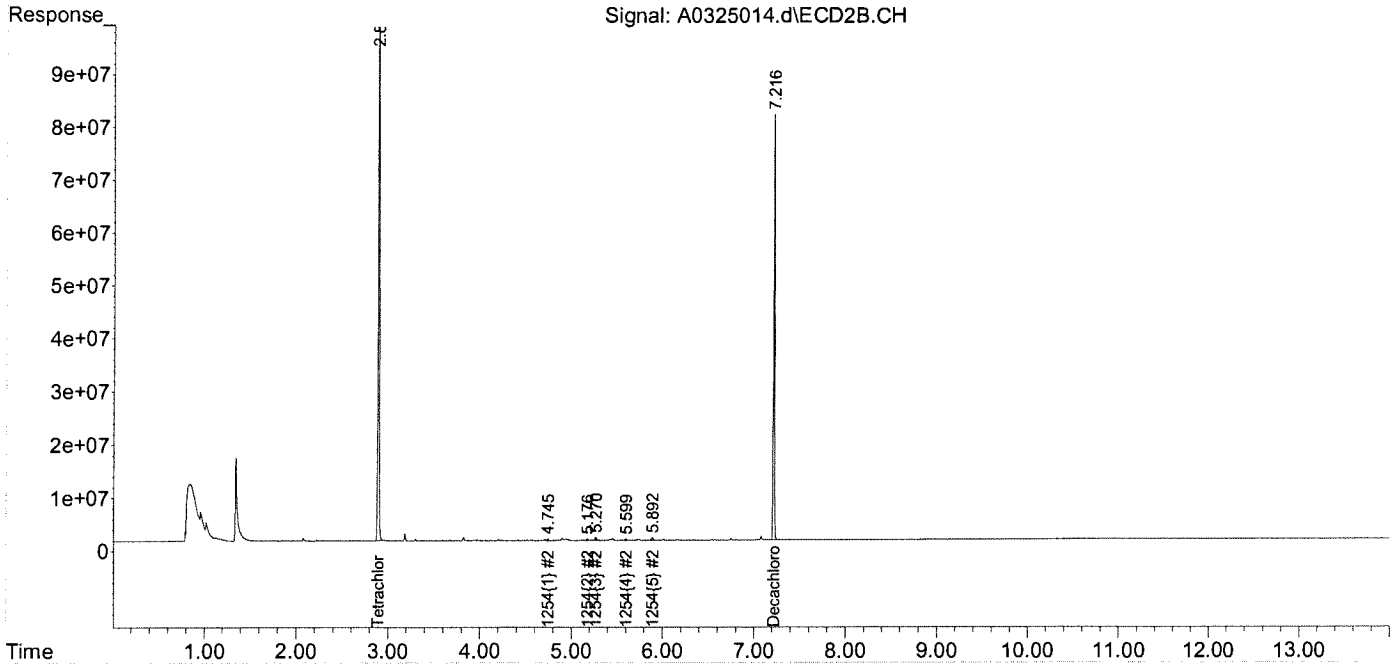
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325014.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 10:44 am
Operator : JMB
Sample : 21C0875-12@5X TBA Inst : ECD1
Misc :
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:20:45 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



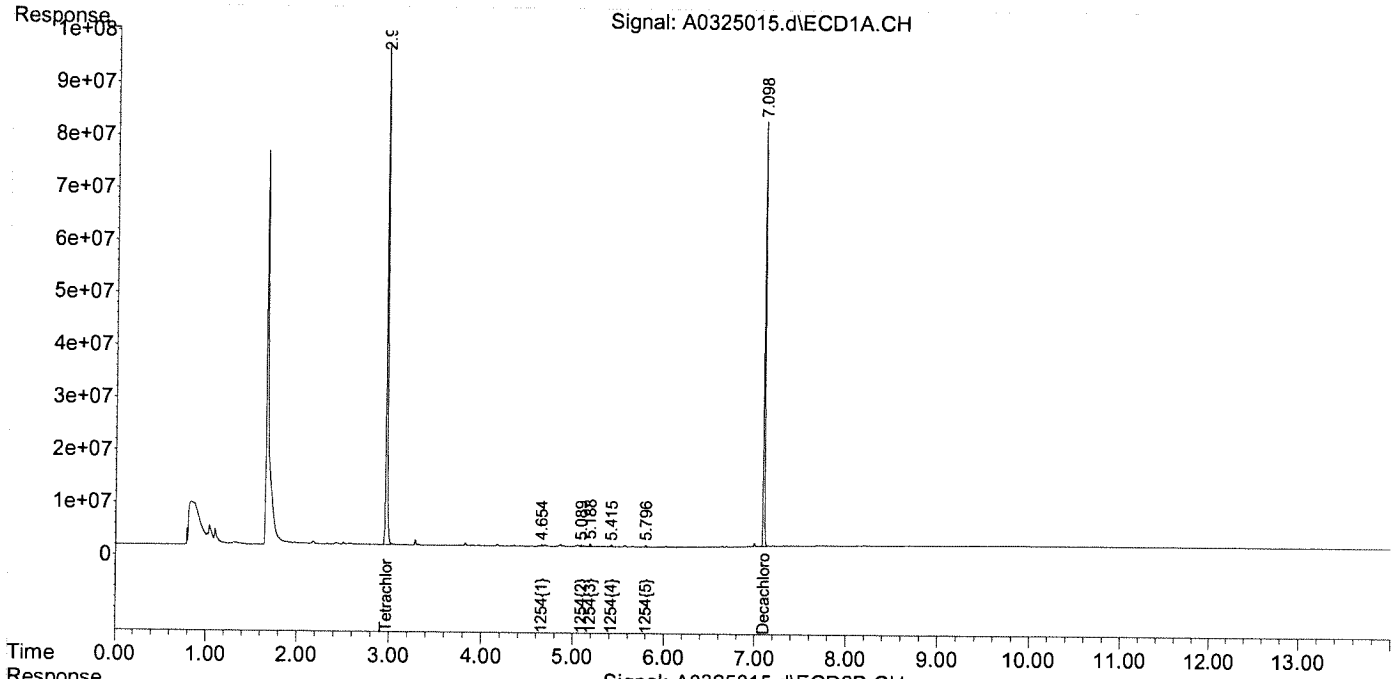


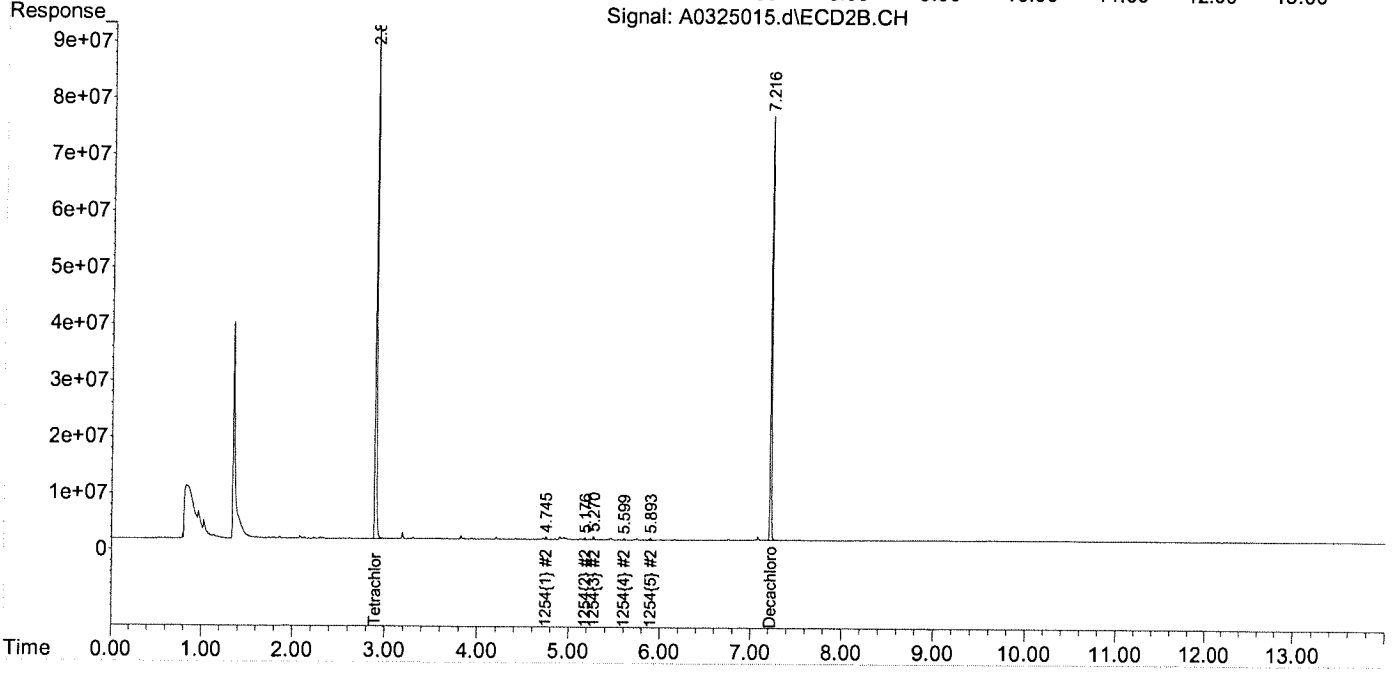
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325015.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 11:02 am
Operator : JMB
Sample : 21C0875-16@5X TBA Inst : ECD1
Misc :
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:21:15 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



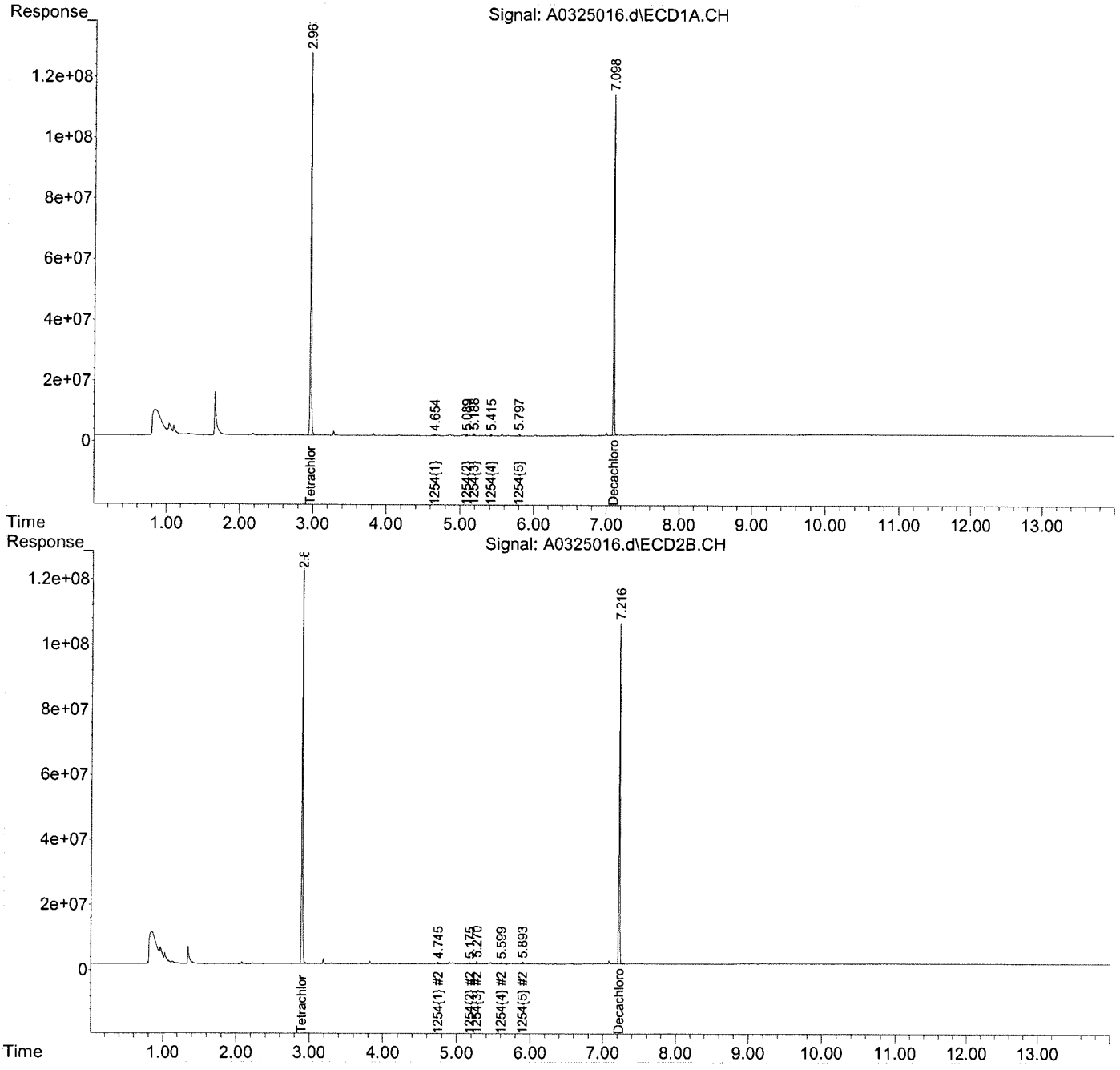


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325016.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 11:20 am
Operator : JMB
Sample : 21C0875-17@5X TBA Inst : ECD1
Misc :
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:21:44 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

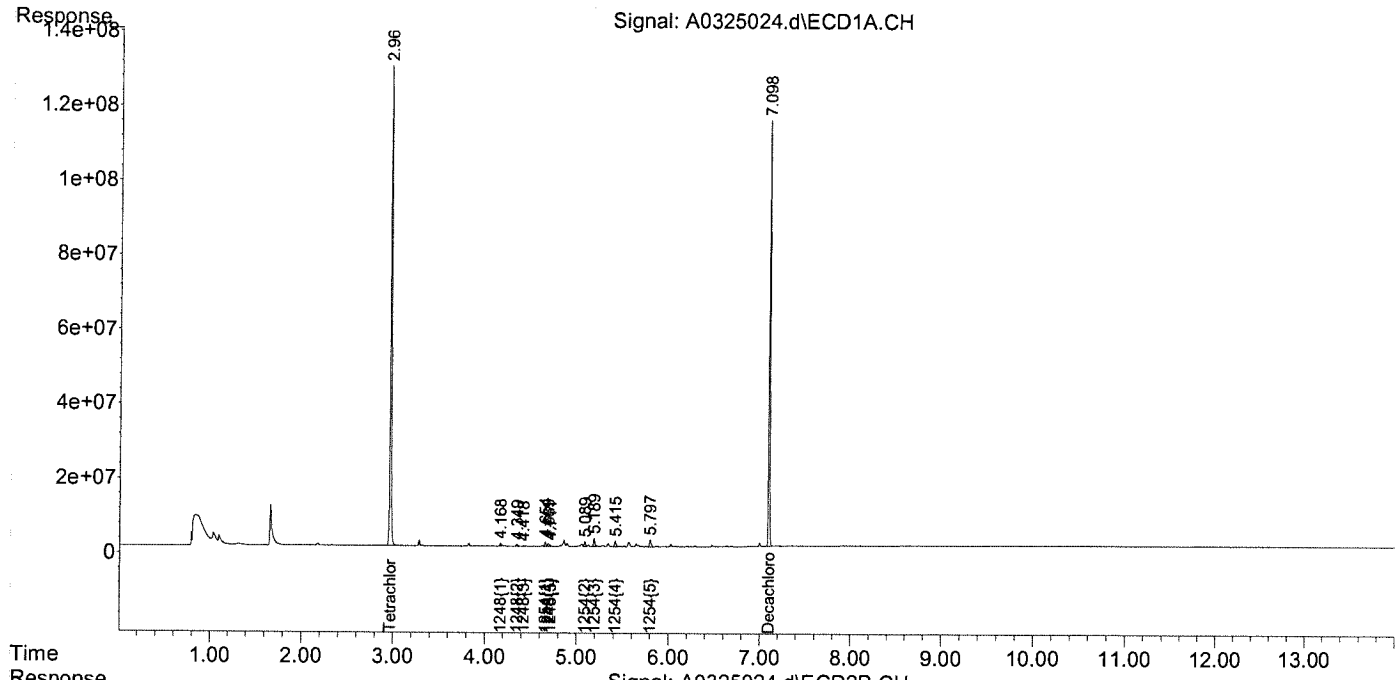


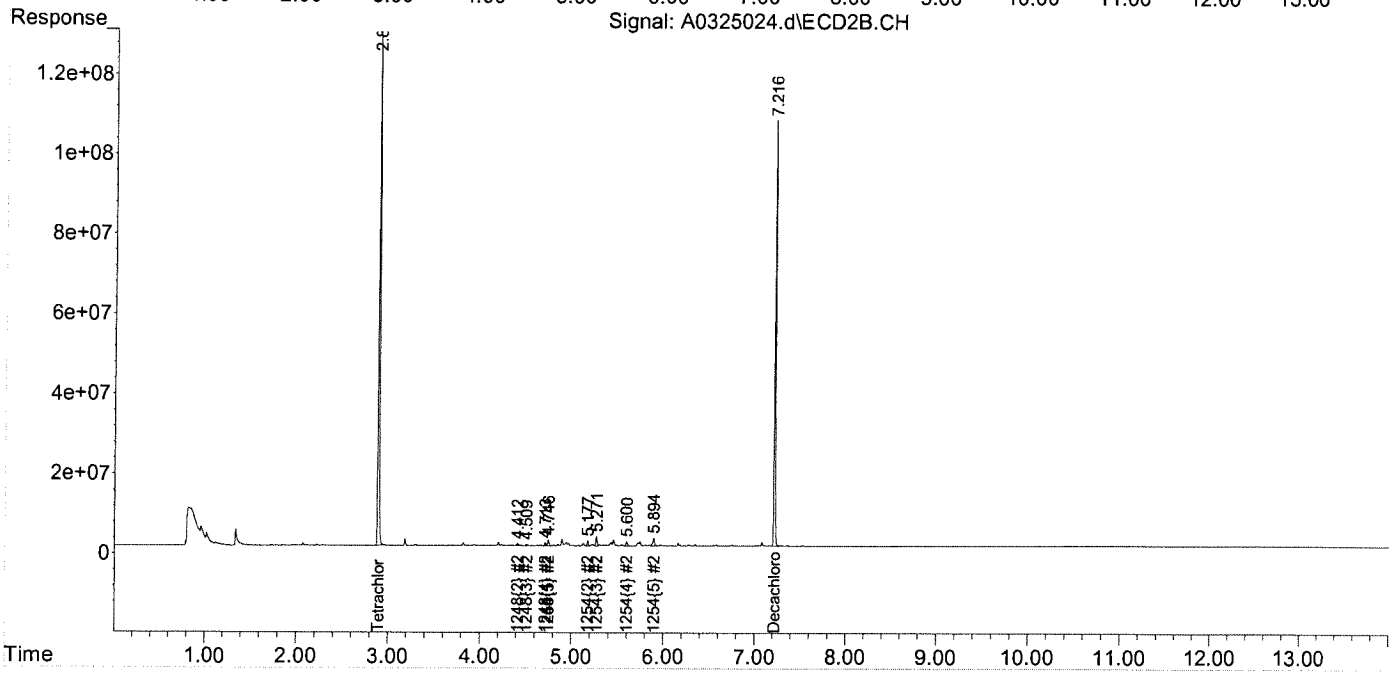
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325024.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 13:29 pm
Operator : JMB
Sample : 21C0875-19@5X TBA Inst : ECD1
Misc :
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:44:29 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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March 29, 2021

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

Project Location: 52 Institute Rd, Burlington, VT
Client Job Number:
Project Number: 280BS01563 Task 7
Laboratory Work Order Number: 21C0875

Enclosed are results of analyses for samples received by the laboratory on March 17, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michelle M. Koch
Project Manager

Table of Contents

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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: Jesse Stratton

REPORT DATE: 3/29/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Task 7

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21C0875

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

PROJECT LOCATION: 52 Institute Rd, Burlington, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
210315.A60.124-1031	21C0875-02	Product/Solid		SW-846 8082A	
210315.A43.124-1033	21C0875-03	Product/Solid		SW-846 8082A	
210315.A2012.124-1035	21C0875-04	Product/Solid		SW-846 8082A	
210315.A28.124-1037	21C0875-05	Product/Solid		SW-846 8082A	
210315.A2010.124-1041	21C0875-07	Product/Solid		SW-846 8082A	
210315.A135.124-1045	21C0875-09	Product/Solid		SW-846 8082A	
210316.A32.125-1049	21C0875-11	Product/Solid		SW-846 8082A	
210316.A100.125-1051	21C0875-12	Product/Solid		SW-846 8082A	
210316.A55.125-1062	21C0875-16	Product/Solid		SW-846 8082A	
210316.A114.125-1064	21C0875-17	Product/Solid		SW-846 8082A	
210316.A116.125-1070	21C0875-19	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.

REVISED REPORT - per client, revised sample IDs for -11,12,16,17,19 3/29/21 mmk

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.

Michelle M. Koch
Project Manager

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

Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A60.124-1031 Sampled: 3/15/2021 11:08

Sample ID: 21C0875-02

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	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1221 [1]	ND	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1232 [1]	ND	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1242 [1]	ND	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1248 [1]	ND	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1254 [2]	0.55	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1260 [1]	ND	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1262 [1]	ND	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1268 [1]	ND	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.3	30-150		3/25/21 9:33
Decachlorobiphenyl [2]	93.4	30-150		3/25/21 9:33
Tetrachloro-m-xylene [1]	87.9	30-150		3/25/21 9:33
Tetrachloro-m-xylene [2]	92.1	30-150		3/25/21 9:33

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A43.124-1033 Sampled: 3/15/2021 11:38

Sample ID: 21C0875-03

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	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1221 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1232 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1242 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1248 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1254 [2]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1260 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1262 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1268 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		3/25/21 12:35
Decachlorobiphenyl [2]	109	30-150		3/25/21 12:35
Tetrachloro-m-xylene [1]	103	30-150		3/25/21 12:35
Tetrachloro-m-xylene [2]	108	30-150		3/25/21 12:35

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A2012.124-1035 Sampled: 3/15/2021 11:53

Sample ID: 21C0875-04

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	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1248 [2]	ND	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1254 [2]	1.0	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.0	30-150		3/25/21 12:53
Decachlorobiphenyl [2]	104	30-150		3/25/21 12:53
Tetrachloro-m-xylene [1]	96.4	30-150		3/25/21 12:53
Tetrachloro-m-xylene [2]	101	30-150		3/25/21 12:53

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A28.124-1037 Sampled: 3/15/2021 13:53

Sample ID: 21C0875-05

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	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.1	30-150		3/25/21 13:11
Decachlorobiphenyl [2]	98.6	30-150		3/25/21 13:11
Tetrachloro-m-xylene [1]	93.8	30-150		3/25/21 13:11
Tetrachloro-m-xylene [2]	99.2	30-150		3/25/21 13:11

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A2010.124-1041 Sampled: 3/15/2021 15:07

Sample ID: 21C0875-07

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	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1254 [2]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1260 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.2	30-150		3/25/21 9:51
Decachlorobiphenyl [2]	103	30-150		3/25/21 9:51
Tetrachloro-m-xylene [1]	96.1	30-150		3/25/21 9:51
Tetrachloro-m-xylene [2]	99.8	30-150		3/25/21 9:51

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A135.124-1045 Sampled: 3/15/2021 15:36

Sample ID: 21C0875-09

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	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1221 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1232 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1242 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1248 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1254 [2]	0.49	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1260 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1262 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1268 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.6	30-150		3/25/21 10:09
Decachlorobiphenyl [2]	97.0	30-150		3/25/21 10:09
Tetrachloro-m-xylene [1]	82.0	30-150		3/25/21 10:09
Tetrachloro-m-xylene [2]	85.5	30-150		3/25/21 10:09

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210316.A32.125-1049 Sampled: 3/16/2021 08:42

Sample ID: 21C0875-11

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	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1254 [2]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.2	30-150		3/25/21 10:27
Decachlorobiphenyl [2]	103	30-150		3/25/21 10:27
Tetrachloro-m-xylene [1]	96.2	30-150		3/25/21 10:27
Tetrachloro-m-xylene [2]	101	30-150		3/25/21 10:27

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210316.A100.125-1051 Sampled: 3/16/2021 09:05

Sample ID: 21C0875-12

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	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1254 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1260 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.1	30-150		3/25/21 10:44
Decachlorobiphenyl [2]	78.1	30-150		3/25/21 10:44
Tetrachloro-m-xylene [1]	84.6	30-150		3/25/21 10:44
Tetrachloro-m-xylene [2]	88.4	30-150		3/25/21 10:44

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210316.A55.125-1062 Sampled: 3/16/2021 12:14

Sample ID: 21C0875-16

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	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	68.3	30-150		3/25/21 11:02
Decachlorobiphenyl [2]	74.2	30-150		3/25/21 11:02
Tetrachloro-m-xylene [1]	73.8	30-150		3/25/21 11:02
Tetrachloro-m-xylene [2]	78.2	30-150		3/25/21 11:02

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210316.A114.125-1064 Sampled: 3/16/2021 12:46

Sample ID: 21C0875-17

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	3/18/21	3/25/21 11:20	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG
Aroclor-1254 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.2	30-150		3/25/21 11:20
Decachlorobiphenyl [2]	103	30-150		3/25/21 11:20
Tetrachloro-m-xylene [1]	93.7	30-150		3/25/21 11:20
Tetrachloro-m-xylene [2]	98.3	30-150		3/25/21 11:20

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210316.A116.125-1070 Sampled: 3/16/2021 13:24

Sample ID: 21C0875-19

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	3/18/21	3/25/21 13:29	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG
Aroclor-1254 [2]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.3	30-150		3/25/21 13:29
Decachlorobiphenyl [2]	103	30-150		3/25/21 13:29
Tetrachloro-m-xylene [1]	96.0	30-150		3/25/21 13:29
Tetrachloro-m-xylene [2]	101	30-150		3/25/21 13:29

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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
21C0875-02 [210315.A60.124-1031]	B278260	2.40	10.0	03/18/21
21C0875-07 [210315.A2010.124-1041]	B278260	2.16	10.0	03/18/21
21C0875-09 [210315.A135.124-1045]	B278260	2.13	10.0	03/18/21
21C0875-11 [210316.A32.125-1049]	B278260	2.09	10.0	03/18/21
21C0875-12 [210316.A100.125-1051]	B278260	2.16	10.0	03/18/21
21C0875-16 [210316.A55.125-1062]	B278260	2.07	10.0	03/18/21
21C0875-17 [210316.A114.125-1064]	B278260	2.04	10.0	03/18/21

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21C0875-19 [210316.A116.125-1070]	B278309	2.00	10.0	03/18/21

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21C0875-03 [210315.A43.124-1033]	B278348	2.25	10.0	03/19/21
21C0875-04 [210315.A2012.124-1035]	B278348	2.08	10.0	03/19/21
21C0875-05 [210315.A28.124-1037]	B278348	2.00	10.0	03/19/21

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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 B278260 - SW-846 3540C										
Blank (B278260-BLK1)				Prepared: 03/18/21 Analyzed: 03/19/21						
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	*0.899*		mg/Kg	1.00		89.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.906*		mg/Kg	1.00		90.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.814*		mg/Kg	1.00		81.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.837*		mg/Kg	1.00		83.7	30-150			
LCS (B278260-BS1)				Prepared: 03/18/21 Analyzed: 03/19/21						
Aroclor-1016	0.85	0.10	mg/Kg	1.00		84.5	40-140			
Aroclor-1016 [2C]	0.76	0.10	mg/Kg	1.00		76.2	40-140			
Aroclor-1260	0.81	0.10	mg/Kg	1.00		80.6	40-140			
Aroclor-1260 [2C]	0.78	0.10	mg/Kg	1.00		77.5	40-140			
Surrogate: Decachlorobiphenyl	*0.936*		mg/Kg	1.00		93.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.943*		mg/Kg	1.00		94.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.844*		mg/Kg	1.00		84.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.830*		mg/Kg	1.00		83.0	30-150			
LCS Dup (B278260-BSD1)				Prepared: 03/18/21 Analyzed: 03/19/21						
Aroclor-1016	0.94	0.10	mg/Kg	1.00		93.9	40-140	10.5	30	
Aroclor-1016 [2C]	0.84	0.10	mg/Kg	1.00		84.1	40-140	9.82	30	
Aroclor-1260	0.88	0.10	mg/Kg	1.00		88.3	40-140	9.13	30	
Aroclor-1260 [2C]	0.83	0.10	mg/Kg	1.00		83.3	40-140	7.18	30	
Surrogate: Decachlorobiphenyl	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.991*		mg/Kg	1.00		99.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.952*		mg/Kg	1.00		95.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.943*		mg/Kg	1.00		94.3	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 B278309 - SW-846 3540C										
Blank (B278309-BLK1)				Prepared: 03/18/21 Analyzed: 03/21/21						
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	*0.904*		mg/Kg	1.00		90.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.837*		mg/Kg	1.00		83.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.865*		mg/Kg	1.00		86.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.835*		mg/Kg	1.00		83.5	30-150			
LCS (B278309-BS1)				Prepared: 03/18/21 Analyzed: 03/21/21						
Aroclor-1016	0.86	0.10	mg/Kg	1.00		86.5	40-140			
Aroclor-1016 [2C]	0.83	0.10	mg/Kg	1.00		83.2	40-140			
Aroclor-1260	0.80	0.10	mg/Kg	1.00		79.7	40-140			
Aroclor-1260 [2C]	0.73	0.10	mg/Kg	1.00		73.4	40-140			
Surrogate: Decachlorobiphenyl	*0.973*		mg/Kg	1.00		97.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.895*		mg/Kg	1.00		89.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.915*		mg/Kg	1.00		91.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.877*		mg/Kg	1.00		87.7	30-150			
LCS Dup (B278309-BSD1)				Prepared: 03/18/21 Analyzed: 03/21/21						
Aroclor-1016	0.84	0.10	mg/Kg	1.00		83.9	40-140	3.04	30	
Aroclor-1016 [2C]	0.81	0.10	mg/Kg	1.00		81.1	40-140	2.55	30	
Aroclor-1260	0.77	0.10	mg/Kg	1.00		76.7	40-140	3.87	30	
Aroclor-1260 [2C]	0.70	0.10	mg/Kg	1.00		70.4	40-140	4.23	30	
Surrogate: Decachlorobiphenyl	*0.909*		mg/Kg	1.00		90.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.839*		mg/Kg	1.00		83.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.870*		mg/Kg	1.00		87.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.838*		mg/Kg	1.00		83.8	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 B278348 - SW-846 3540C										
Blank (B278348-BLK1)				Prepared: 03/19/21 Analyzed: 03/25/21						
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	*0.851*		mg/Kg	1.00		85.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.859*		mg/Kg	1.00		85.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.675*		mg/Kg	1.00		67.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.677*		mg/Kg	1.00		67.7	30-150			
LCS (B278348-BS1)				Prepared: 03/19/21 Analyzed: 03/25/21						
Aroclor-1016	0.68	0.10	mg/Kg	1.00		68.2	40-140			
Aroclor-1016 [2C]	0.76	0.10	mg/Kg	1.00		75.5	40-140			
Aroclor-1260	0.70	0.10	mg/Kg	1.00		69.9	40-140			
Aroclor-1260 [2C]	0.74	0.10	mg/Kg	1.00		74.1	40-140			
Surrogate: Decachlorobiphenyl	*0.808*		mg/Kg	1.00		80.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.824*		mg/Kg	1.00		82.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.675*		mg/Kg	1.00		67.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.681*		mg/Kg	1.00		68.1	30-150			
LCS Dup (B278348-BSD1)				Prepared: 03/19/21 Analyzed: 03/25/21						
Aroclor-1016	0.72	0.10	mg/Kg	1.00		72.0	40-140	5.42	30	
Aroclor-1016 [2C]	0.79	0.10	mg/Kg	1.00		78.8	40-140	4.24	30	
Aroclor-1260	0.73	0.10	mg/Kg	1.00		73.3	40-140	4.65	30	
Aroclor-1260 [2C]	0.77	0.10	mg/Kg	1.00		76.9	40-140	3.63	30	
Surrogate: Decachlorobiphenyl	*0.840*		mg/Kg	1.00		84.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.853*		mg/Kg	1.00		85.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.700*		mg/Kg	1.00		70.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.702*		mg/Kg	1.00		70.2	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A60.124-1031

Lab Sample ID: 21C0875-02 Date(s) Analyzed: 03/25/2021 03/25/2021

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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	0.47	
	2	0.000	0.000	0.000	0.55	15.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A2012.124-1035

Lab Sample ID: 21C0875-04 Date(s) Analyzed: 03/25/2021 03/25/2021

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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	0.95	
	2	0.000	0.000	0.000	1.0	5.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B278260-BS1 Date(s) Analyzed: 03/19/2021 03/19/2021

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	0.85	
	2	0.000	0.000	0.000	0.76	11.2
Aroclor-1260	1	0.000	0.000	0.000	0.81	
	2	0.000	0.000	0.000	0.78	3.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B278260-BSD1 Date(s) Analyzed: 03/19/2021 03/19/2021

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	0.94	
	2	0.000	0.000	0.000	0.84	11.2
Aroclor-1260	1	0.000	0.000	0.000	0.88	
	2	0.000	0.000	0.000	0.83	5.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B278309-BS1 Date(s) Analyzed: 03/21/2021 03/21/2021

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	0.86	
	2	0.000	0.000	0.000	0.83	4.7
Aroclor-1260	1	0.000	0.000	0.000	0.80	
	2	0.000	0.000	0.000	0.73	9.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B278309-BSD1 Date(s) Analyzed: 03/21/2021 03/21/2021

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	0.84	
	2	0.000	0.000	0.000	0.81	3.6
Aroclor-1260	1	0.000	0.000	0.000	0.77	
	2	0.000	0.000	0.000	0.70	9.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B278348-BS1 Date(s) Analyzed: 03/25/2021 03/25/2021

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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	0.76	11.1
Aroclor-1260	1	0.000	0.000	0.000	0.70	
	2	0.000	0.000	0.000	0.74	5.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B278348-BSD1 Date(s) Analyzed: 03/25/2021 03/25/2021

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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	0.72	
	2	0.000	0.000	0.000	0.79	9.3
Aroclor-1260	1	0.000	0.000	0.000	0.73	
	2	0.000	0.000	0.000	0.77	5.3

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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 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	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2021
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2021
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2021
FL	Florida Department of Health	E871027 NELAP	06/30/2021
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2021
ME	State of Maine	MA00100	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2021
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2021
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

210875

con-test ANALYTICAL LABORATORY

http://www.contestlabs.com

Doc # 381 Rev 2_06262019

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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

Company Name:
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980

Project Name:
Project Location: 52 Institute Road, Burlington, Vermont
Project Number: 280B501563 Phase 012
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: N. Amato, J. Adams, K. Paritz

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

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

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 Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
1	210315.A68.124-1029	3/16/21	10:28	Grab	O	U		1				✓	✓
2	210315.A69.124-1031		11:08	Grab	O	U		1				✓	✓
3	210315.A43.124-1033		11:38	Grab	O	U		1				✓	✓
4	210315.A2012.124-1035		11:53	Grab	O	U		1				✓	✓
5	210315.A28.124-1037		13:53	Grab	O	U		1				✓	✓
6	210315.A109.124-1039		14:49	Grab	O	U		1				✓	✓
7	210315.A2010.124-1041		15:07	Grab	O	U		1				✓	✓
8	210315.A2008.124-1043		15:22	Grab	O	U		1				✓	✓
9	210315.A135.124-1045		15:36	Grab	O	U		1				✓	✓
10	210316.A30.125-1047	3/16/21	8:33	Grab	O	U		1				✓	✓

Relinquished by: (signature)	Date/Time: 3/16/21 1500
Received by: (signature)	Date/Time: 3/17/21 10:55
Relinquished by: (signature)	Date/Time: 3/17/21 10:55
Received by: (signature)	Date/Time: 3/17/2021
Relinquished by: (signature)	Date/Time: 3/17/2021
Received by: (signature)	Date/Time: 3/17/21 1500
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments: Conduct Extraction only
Do not analyze until further Instruction

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

[2] Preservation Code
Courier Use Only
Total Number Of:
VIALS
GLASS 19
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)

Lab 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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Doc # 381 Rev 2_06262019

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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980

Project Name:
Project Location: 52 Institue Road, Burlington, Vermont
Project Number: 280BS01563 Phase 012
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: N. Amato, J. Adams, K. Paritz

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

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

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 Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
11	210316.A32.125-1049	3/16/21	08:42	Grab	O	U		1				✓	✓
12	210316.A100.125-1051		09:05	Grab	O	U		1				✓	✓
13	210316.A138-125-1055		09:29	Grab	O	U		1				✓	✓
14	210316.A140.125-1057		09:57	Grab	O	U		1				✓	✓
15	210316.A2003.125-1059		10:23	Grab	O	U		1				✓	✓
16	210316.A55.125-1062		12:14	Grab	O	U		1				✓	✓
17	210316.A114.125-1064		12:46	Grab	O	U		1				✓	✓
18	210316.A112.125-1068		12:54	Grab	O	U		1				✓	✓
19	210316.A116.125-1070		13:24	Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS 19
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)

Relinquished by: (signature)	Date/Time:
	3/16/21 1500
Received by: (signature)	Date/Time:
	3/17/21 10:55 am
Relinquished by: (signature)	Date/Time:
	3/17/21 10:55
Received by: (signature)	Date/Time:
	3/17/21 10:55
Relinquished by: (signature)	Date/Time:
	3/17/21 1800
Received by: (signature)	Date/Time:
	3/17/21 1800
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:
Conduct Extraction only
Do not analyze - until Further instruction

Detection Limit Requirements
MA
am
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab 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

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

con-test® ANALYTICAL LABORATORY

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 [illegible] Date 3/17/21 Time 1800

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 # 2 Actual Temp - 3.1

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NR

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? NA 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? NA Acid _____ Base _____

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	19
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:

Analysis
8082 Soxhlet TRAY311

PREPARATION BENCH SHEET

B278309

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 3/18/2021 5:14:07PM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

3/25/21

*ATC.

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B278309-BLK1	Blank			AVF 3-19-21		2.00	10.0		1000		
B278309-BS1	LCS					↓		1000	1000		
B278309-BSD1	LCS Dup					↓		1000	1000		
B278309-MS1	Matrix Spike [21C0928-01]					2.2		1000	1000		
B278309-MSD1	Matrix Spike Dup [21C0928-01]					2.0		1000	1000		
21C0875-18	210315.A112.125-1068 30-4E	03/24/21	03/30/21			2.0			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-19	210315.A116.125-1070 ↓	03/24/21	03/30/21			2.0			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0928-01	210317.B32.126-1072 30-4F	03/29/21	03/31/21			2.0			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0928-02	210317.B2006.126-107.4	03/29/21	03/31/21			2.1			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0928-03	210317.B28.126-1076	03/29/21	03/31/21			2.0			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0928-04	210317.B48.126-1078	03/29/21	03/31/21			2.1			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0928-05	210317.B19.126-1080	03/29/21	03/31/21			2.1			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0928-06	210317.B2004.126-1082 ↓	03/29/21	03/31/21	↓		2.0	↓		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7

1 method sample

SP VIT

AVF CAH 3.18.21
Spikedby/Witnessed By Date

AVF 3.18.21
Extracted By Date

Loaded 032521 AR TO
Prepped 032521 JR

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Analysis
8082 Soxhlet

PREPARATION BENCH SHEET

B278260

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 3/18/2021 2:04:12PM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

RG 3/25/21

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B278260-BLK1	Blank			LG 3/19/21	#26	2.00	10.0		1000		
B278260-BS1	LCS							1000	1000		
B278260-BSD1	LCS Dup							1000	1000		
21C0875-01	210315.A68.124-1029 30-4E	03/24/21	03/29/21			2.38			1000	EXTRACT & HOLD, RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-02	210315.A60.124-1031	03/24/21	03/29/21			2.40			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-03	210315.A43.124-1033	03/24/21	03/29/21			2.30			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-04	210315.A2012.124-1035	03/24/21	03/29/21			2.27			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-05	210315.A28.124-1037	03/24/21	03/29/21			2.41			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-06	210315.A109.124-1039	03/24/21	03/29/21	LG 3/19/21	#26	2.35	10.0		1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-07	210315.A2010.124-1041	03/24/21	03/29/21			2.16			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-08	210315.A2008.124-1043	03/24/21	03/29/21			2.37			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5

LJH CAH — SPK DMP — 3/18/21
Spikedby/Witnessed By — Date

DMP — 3/18/21
Extracted By — Date

*sample burn out AHF 3.19.21 need re-extract.

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Loaded 032521 #1 WO#875 prepped in 28F

Analysis
8082 Soxhlet

PREPARATION BENCH SHEET

B278260

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 3/18/2021 2:04:12PM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
21C0875-09	210315.A135.124-1045	03/24/21	03/29/21	LG 3/19/21	# 26	2.13	10.0		1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-10	210315.A30.124-1047	03/24/21	03/30/21			2.12			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-11	210315.A32.125-1049	03/24/21	03/30/21			2.09			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-12	210315.A100.125-1051	03/24/21	03/30/21			2.16			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-13	210315.A138.125-1055	03/24/21	03/30/21			2.19			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-14	210315.A140.125-1057	03/24/21	03/30/21	LG	#87	2.13	10.0		1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-15	210315.A2003.125-1059	03/24/21	03/30/21			2.01			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-16	210315.A55.125-1062	03/24/21	03/30/21			2.07			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-17	210315.A114.125-1064	03/24/21	03/30/21			2.04			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5

Spikedby/Witnessed By Date

Extracted By Date

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Analysis
8082 Soxhlet

PREPARATION BENCH SHEET

B278260

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 3/18/2021 2:04:12PM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
21C0909-21 ✓	210316.A116.125-1069	03/24/21	03/30/21			2.10			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0909-22 ✓	210316.A2011.125-1071	03/24/21	03/30/21			2.06			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0909-23 ✓	210316.A144.125-1060	03/24/21	03/30/21			2.05			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5

START DATE/TIME:
END DATE/TIME:
SPK Start Date/Time 3/18/21 @ 15:15
WIT:
StopDate/Time 3/19/21 07:27

Standard ID#	Description	Manufacture Lot#
2007070	Sodium Sulfate (Drum 45.5kg)	0000240206
2102079	Acetone	EA362-US
2102208	Methylene Chloride (200 L Drum)	EA414-US
2102275	Hexanes	60311
2102300	Filter Paper (VWR 043) Fluted	A29495172
2103038	Filter Paper (VWR 121) 15.0cm	17184076
2103253	Sodium Sulfate (Baked)	Sodium Sulfate/2
2103299	Distilled Solvent - MeCl2	DCM/ACE

balance S/N: 525973

Spikedby/Witnessed By Date

Extracted By Date

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Analysis
8082 Soxhlet

PREPARATION BENCH SHEET

B278348

Con-Test, a Pace Analytical Laboratory

Printed: 3/19/2021 7:51:40AM

Prepared using: SW-846 3540C

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

#Extracts + Holds.

RG 3/25/21

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B278348-BLK1	Blank			LG 3/22/21	#1059	2.0	10.0		1000		
B278348-BS1	LCS							1000	1000		
B278348-BSD1	LCS Dup							1000	1000		
21C0875-03	210315.A43.124-1033 30-4E	03/24/21	03/29/21			2.25			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-04	210315.A2012.124-1035	03/24/21	03/29/21			2.08			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-05	210315.A28.124-1037	03/24/21	03/29/21			2.0			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0929-01	210317.B32.126-1073 30-4F	03/29/21	03/31/21	MF 3/22/21	#311	2.05	10.0		1000	Extract & Hold RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0929-02	210317.B2006.126-1075	03/29/21	03/31/21			2.09			1000	Extract & Hold RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0929-03	210317.B28.126-1077	03/29/21	03/31/21			2.07			1000	Extract & Hold RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0929-04	210317.B48.126-1079	03/29/21	03/31/21	TNH 3/23/21	#311	2.00	10.0		1000	Extract & Hold RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0929-05	210317.B19.126-1081	03/29/21	03/31/21			2.03			1000	Extract & Hold RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7

wit ESO spk SPF 3-20-21

Spikedby/Witnessed By Date

Extracted By Date

Loaded 032521 #1 RG

Planned 032521 TR

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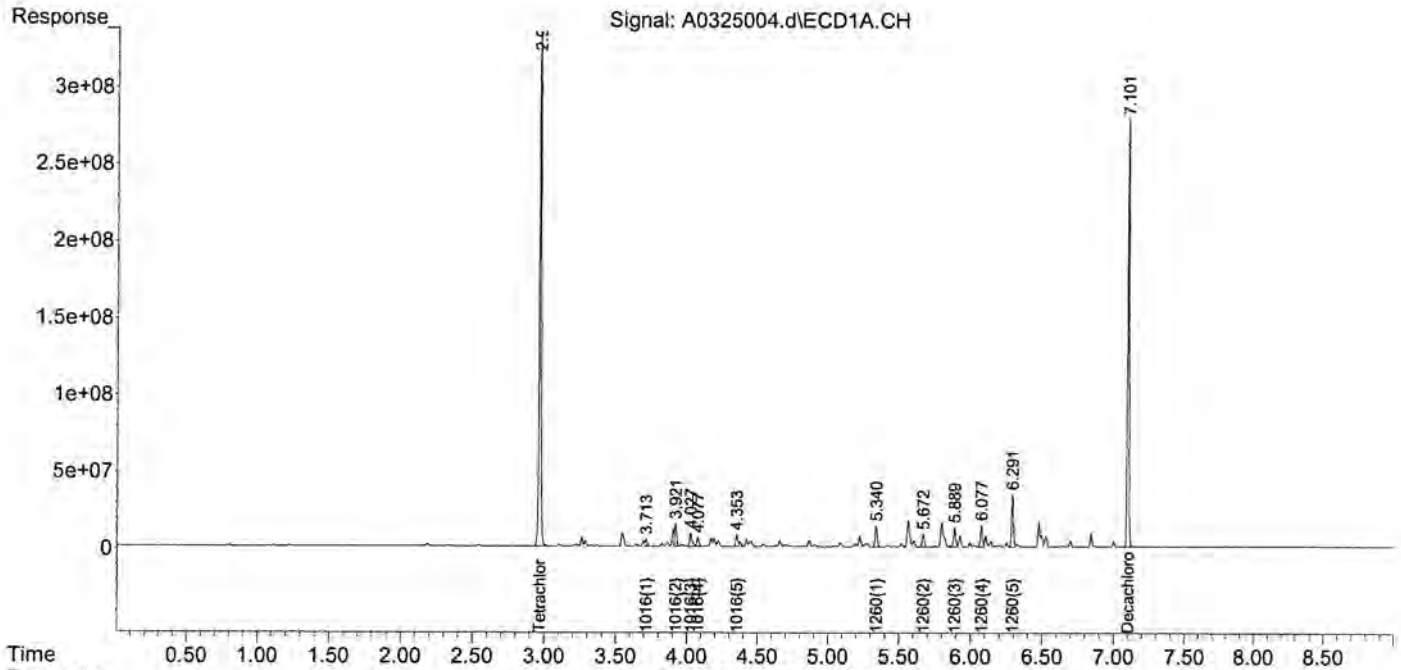
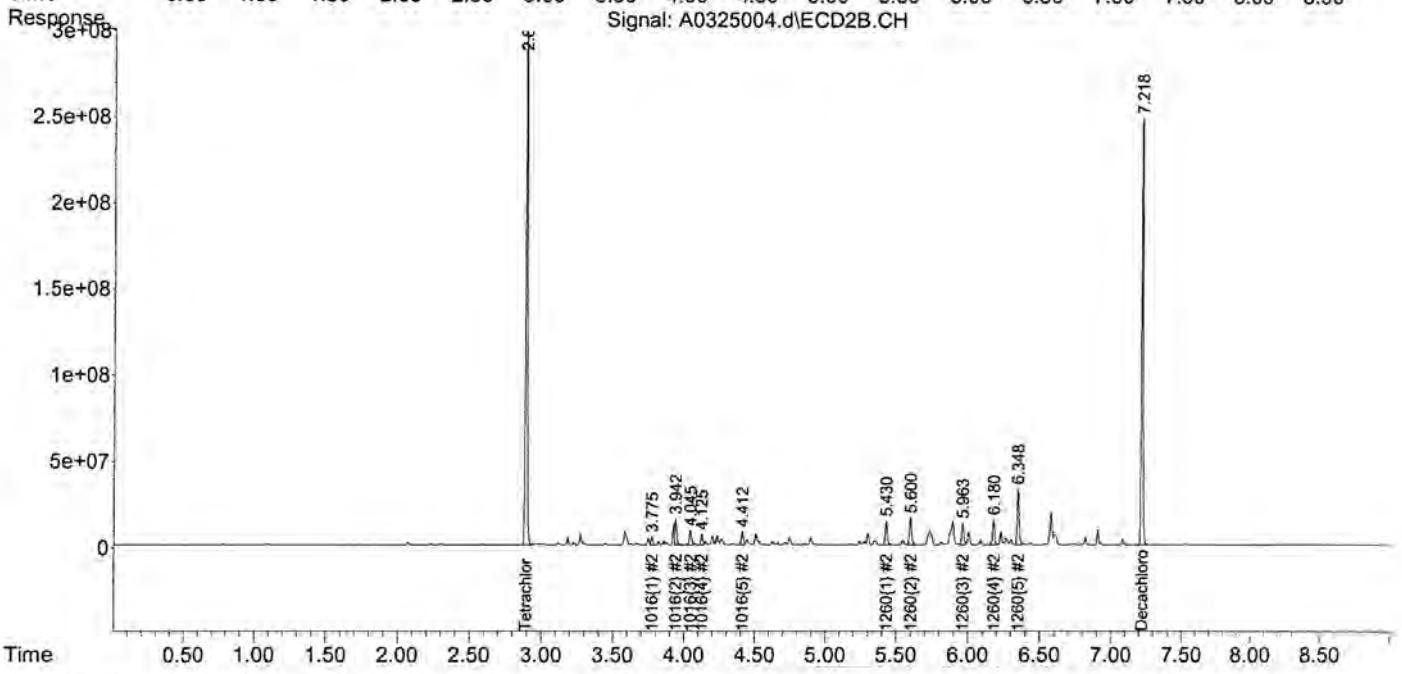
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325004.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 8:16 am
Operator : JMB
Sample : 1260/1016 100 2102019 Inst : ECD1
Misc : mix[s,11,17]
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 08:59:27 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



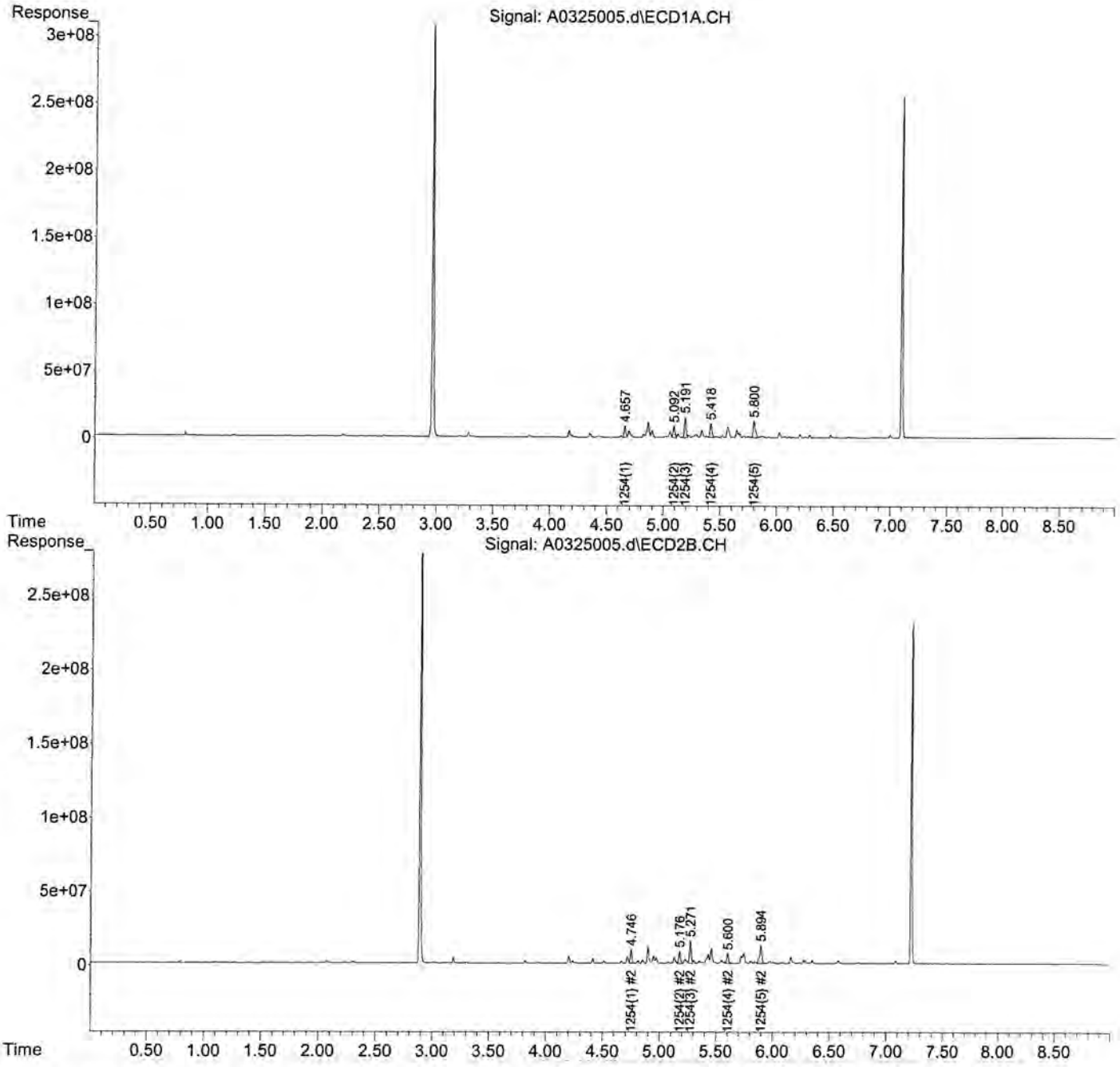


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325005.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 8:28 am
Operator : JMB
Sample : 1254 100 2010265 Inst : ECD1
Misc : mix[16]
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 08:59:31 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

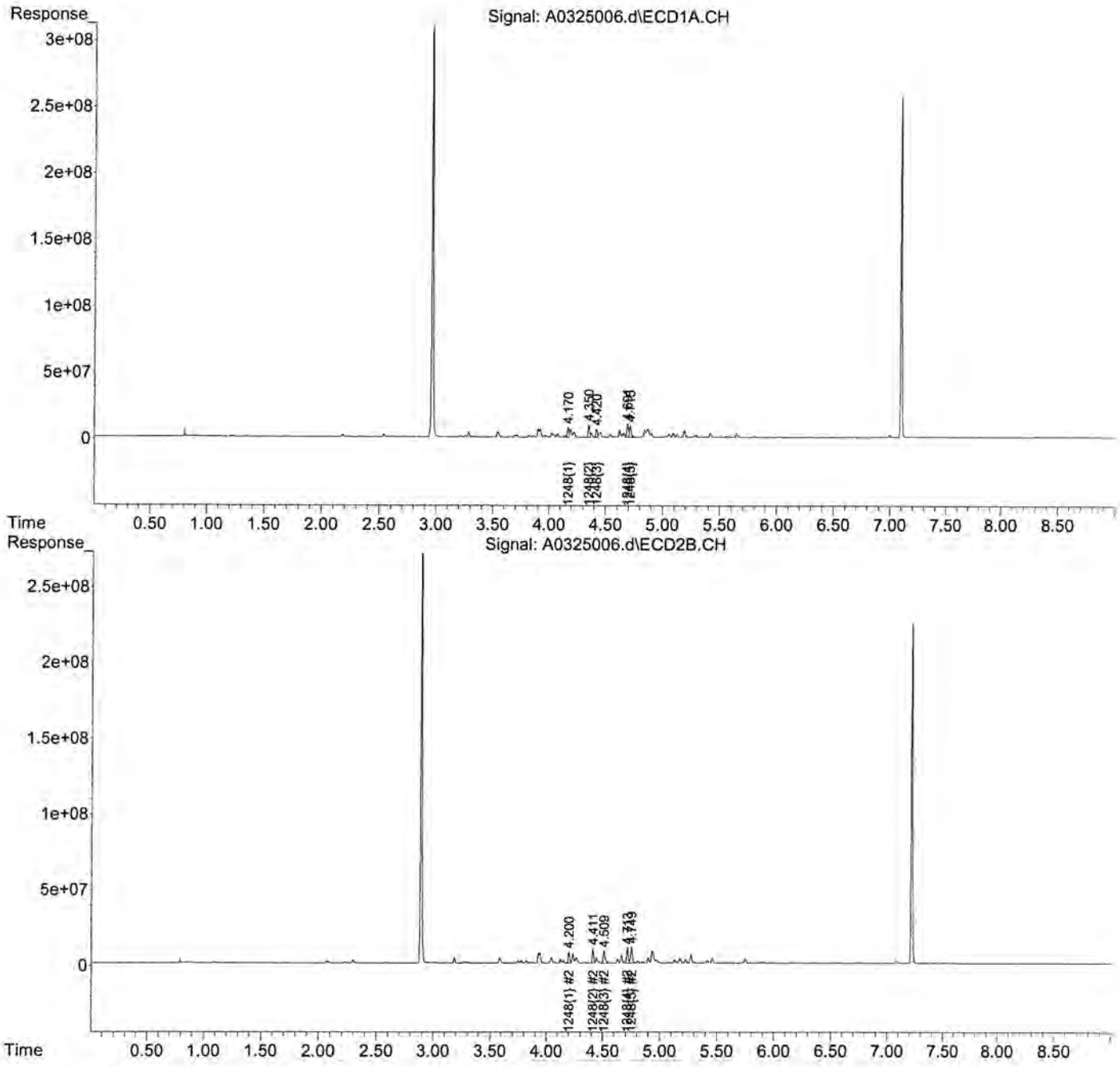


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325006.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 8:41 am
Operator : JMB
Sample : 1248 100 2010210 Inst : ECD1
Misc : mix[15]
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 08:59:35 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

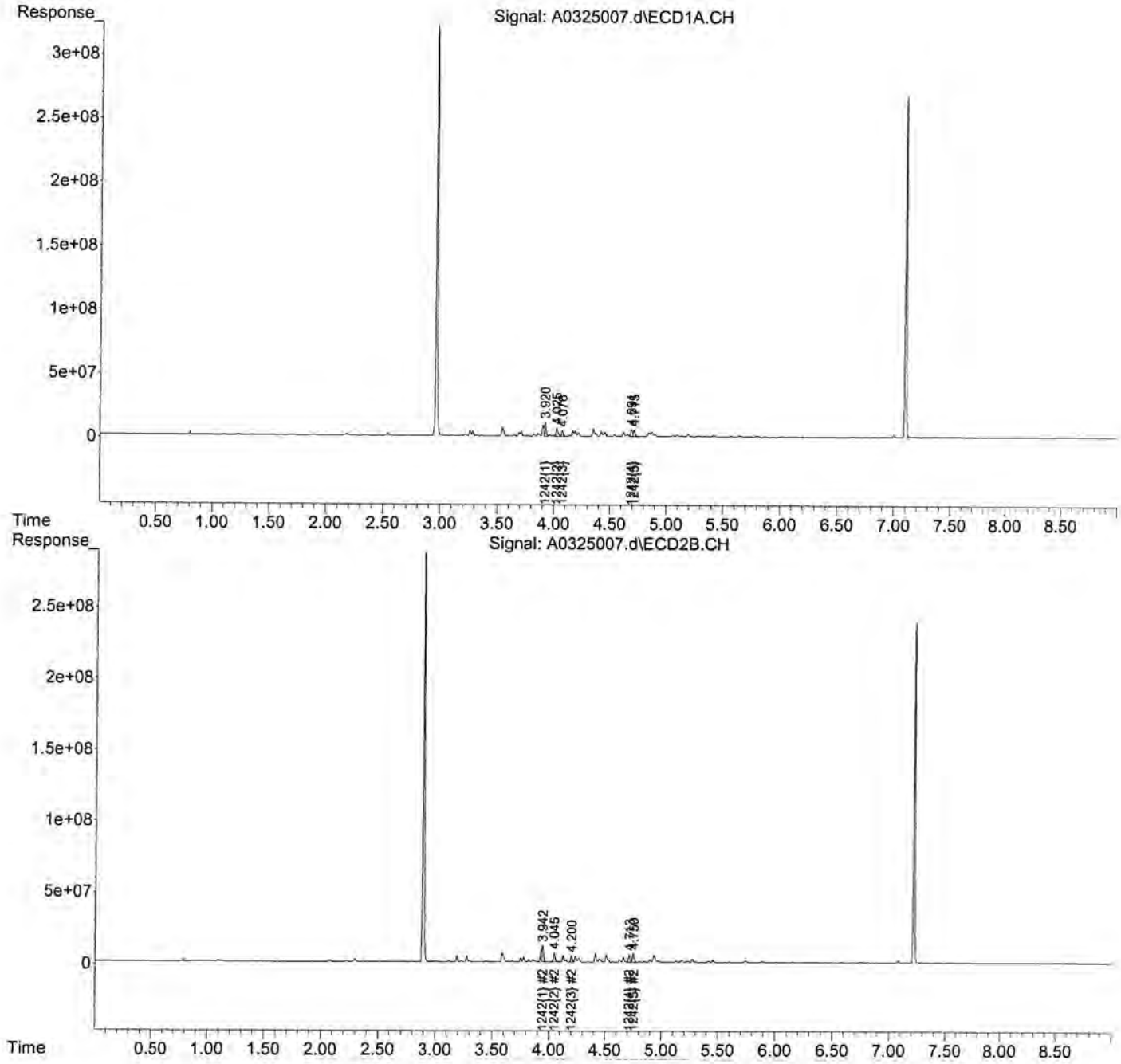


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325007.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 8:54 am
Operator : JMB
Sample : 1242 100 2009334 Inst : ECD1
Misc : mix[14]
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 09:04:34 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

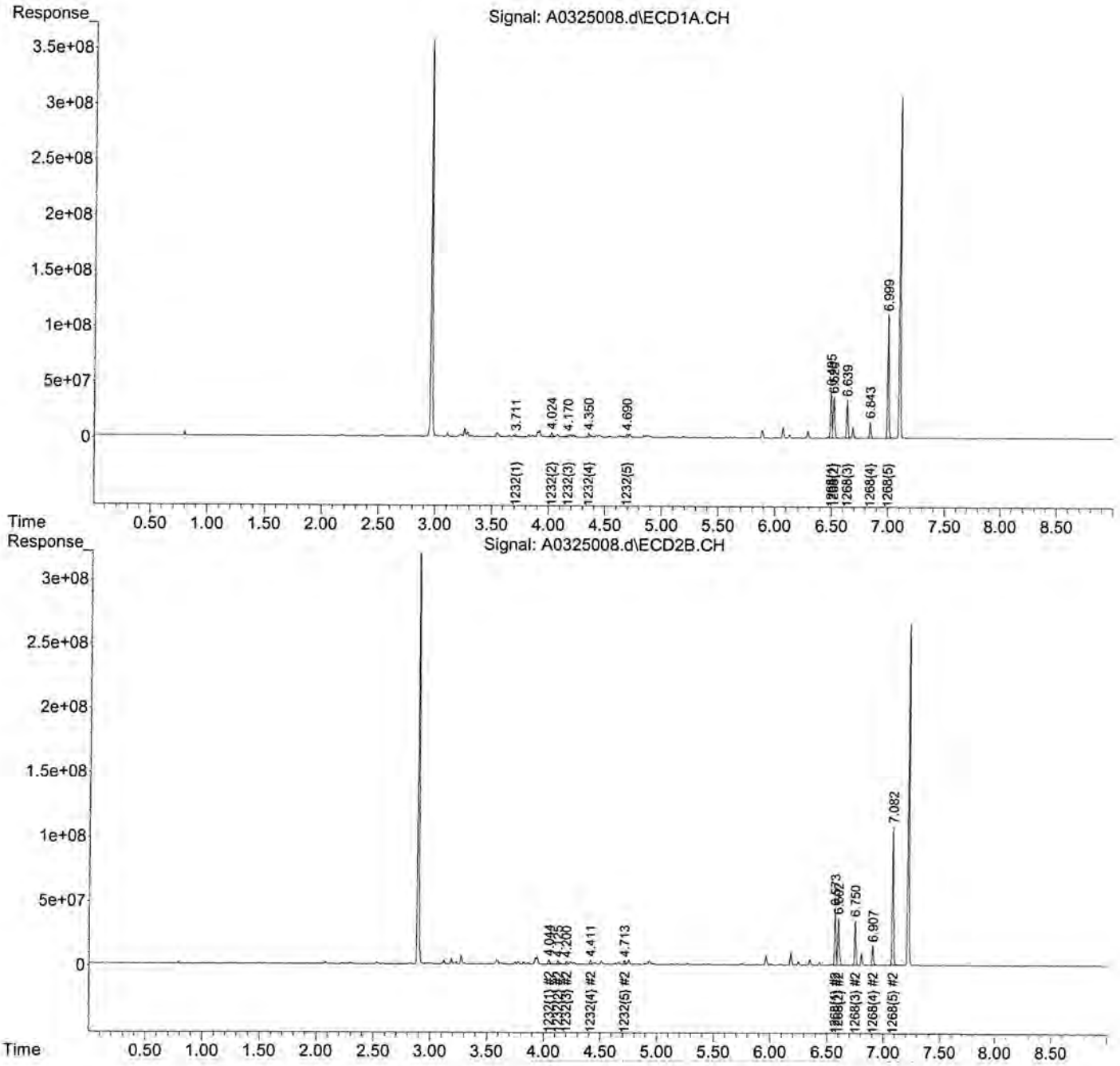


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325008.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 9:07 am
Operator : JMB
Sample : 1232/1268 100 2012310 Inst : ECD1
Misc : mix[13,19]
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 09:51:12 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

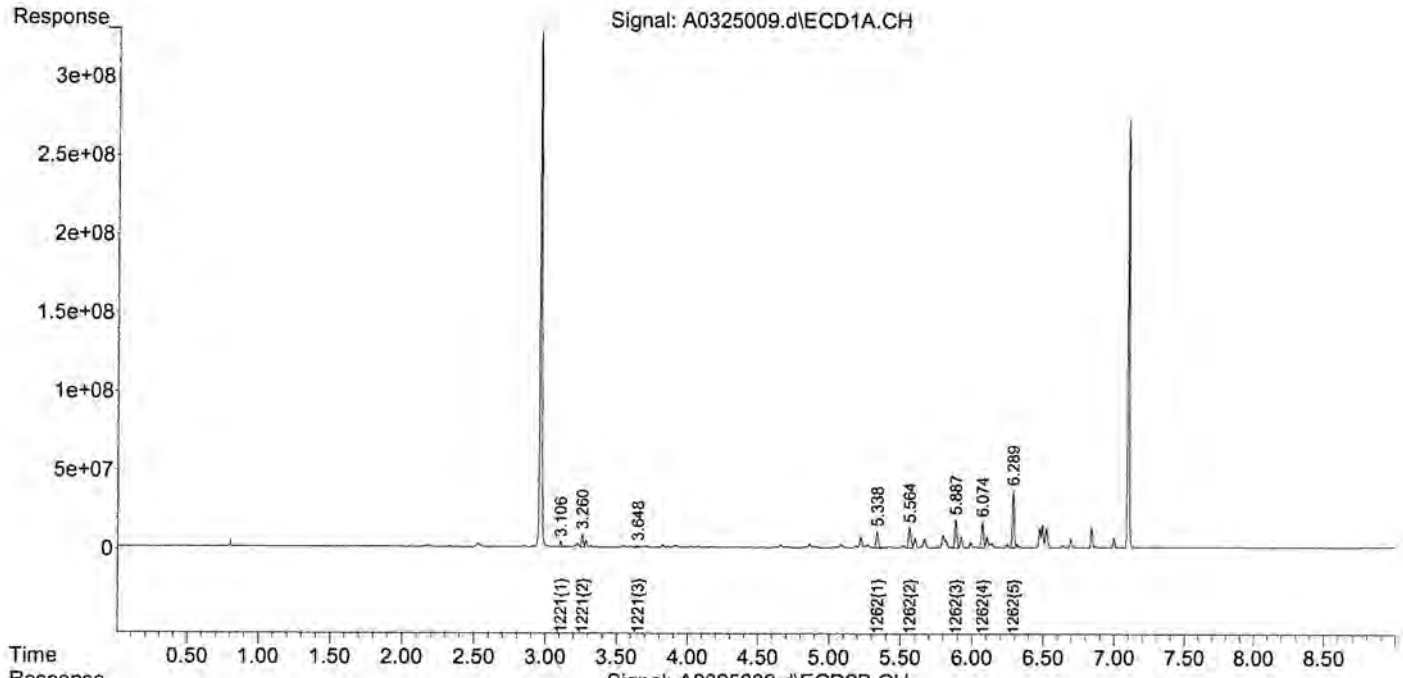


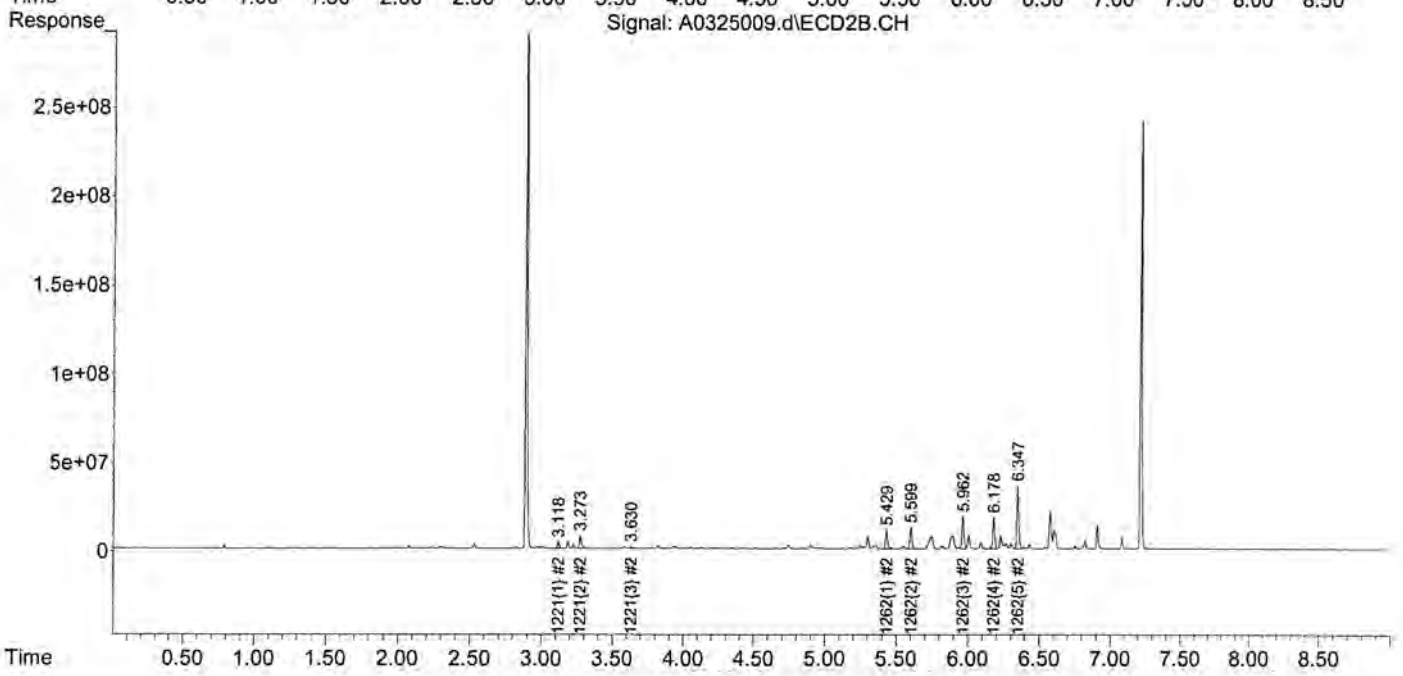
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325009.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 9:20 am
Operator : JMB
Sample : 1221/1262 100 2012379 Inst : ECD1
Misc : mix[12,18]
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 09:51:17 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



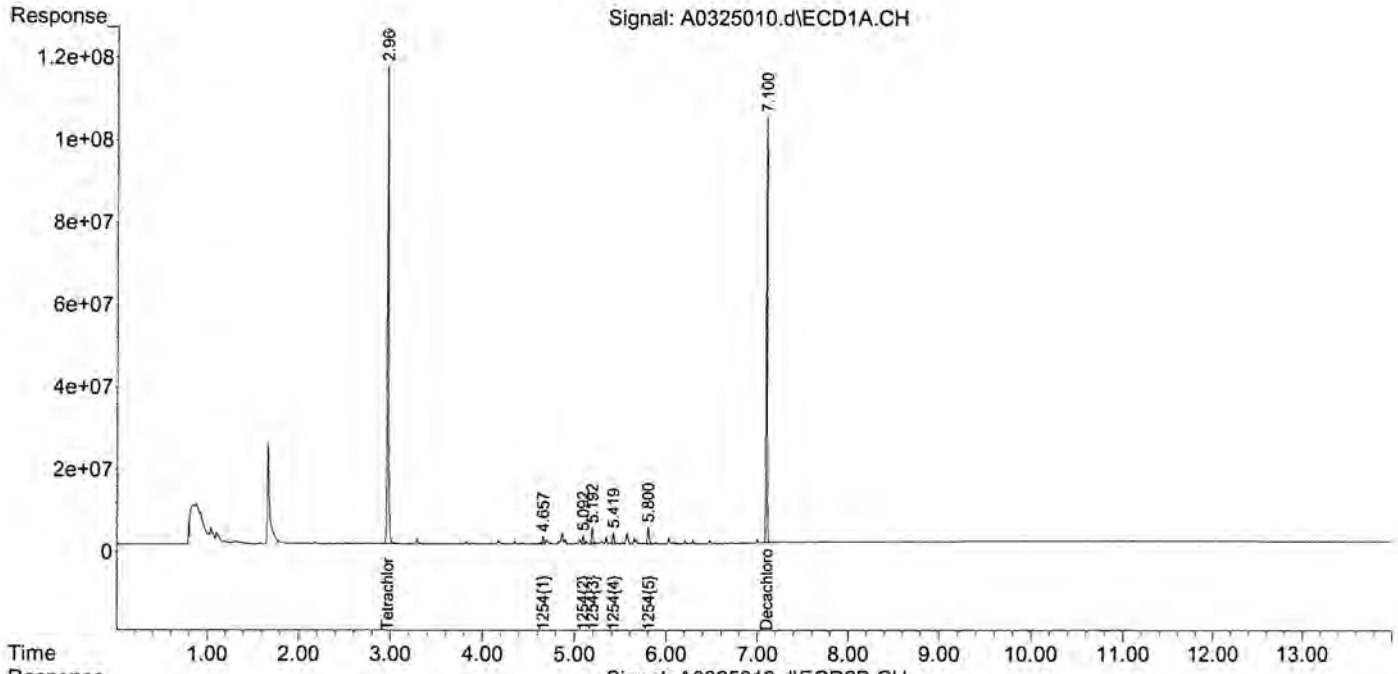


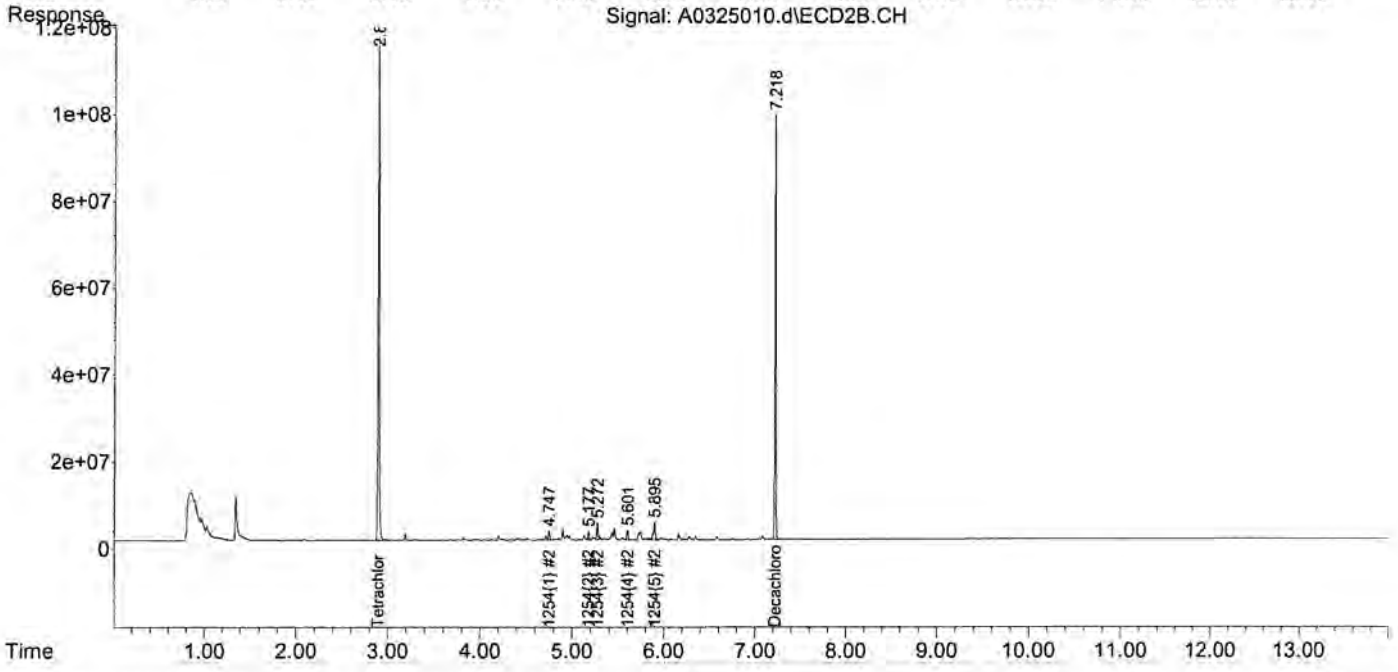
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325010.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 9:33 am
Operator : JMB
Sample : 21C0875-02@5X TBA Inst : ECD1
Misc :
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:12:58 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



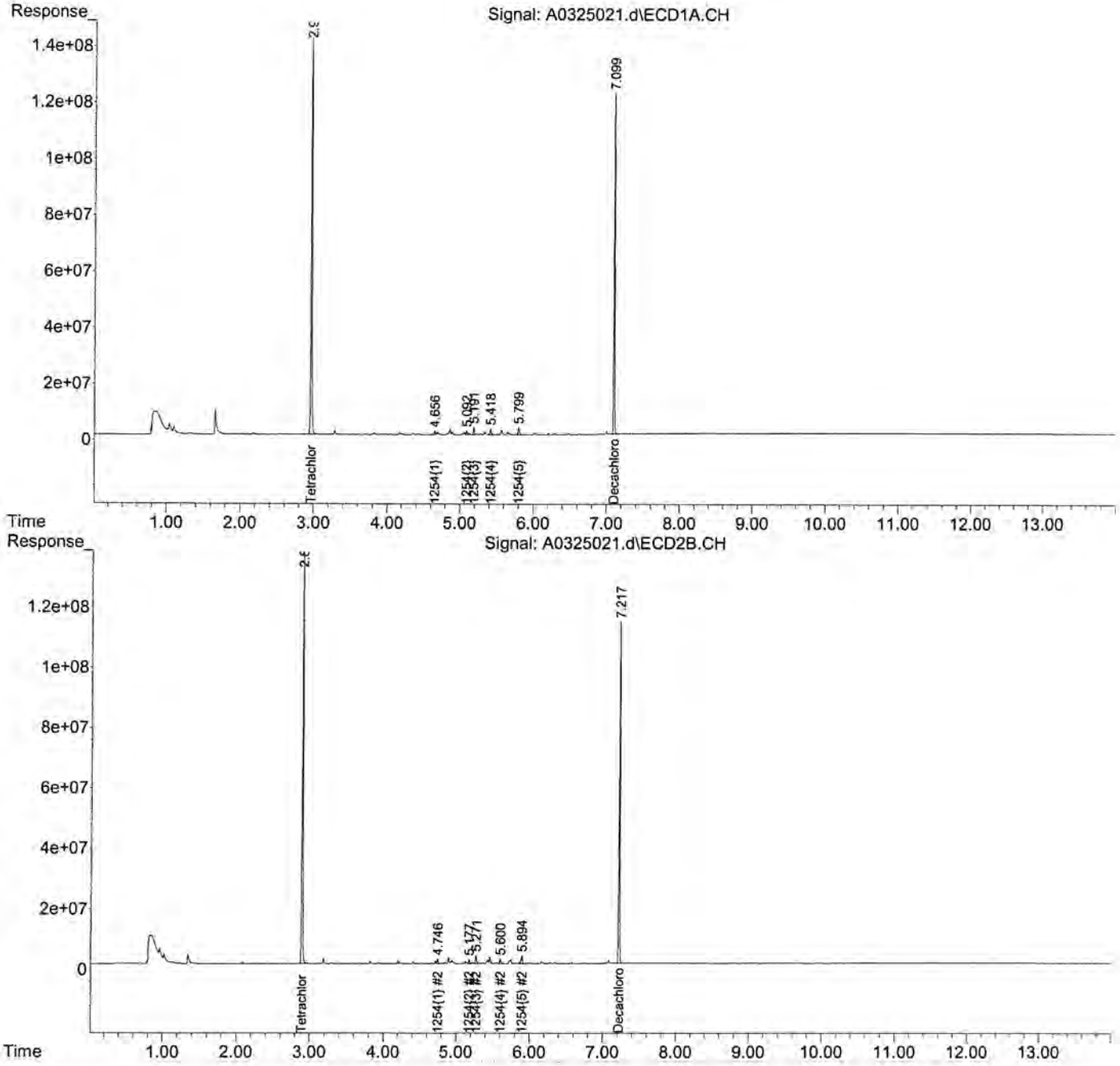


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325021.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 12:35 pm
Operator : JMB
Sample : 21C0875-03@5X TBA Inst : ECD1
Misc :
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:23:15 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

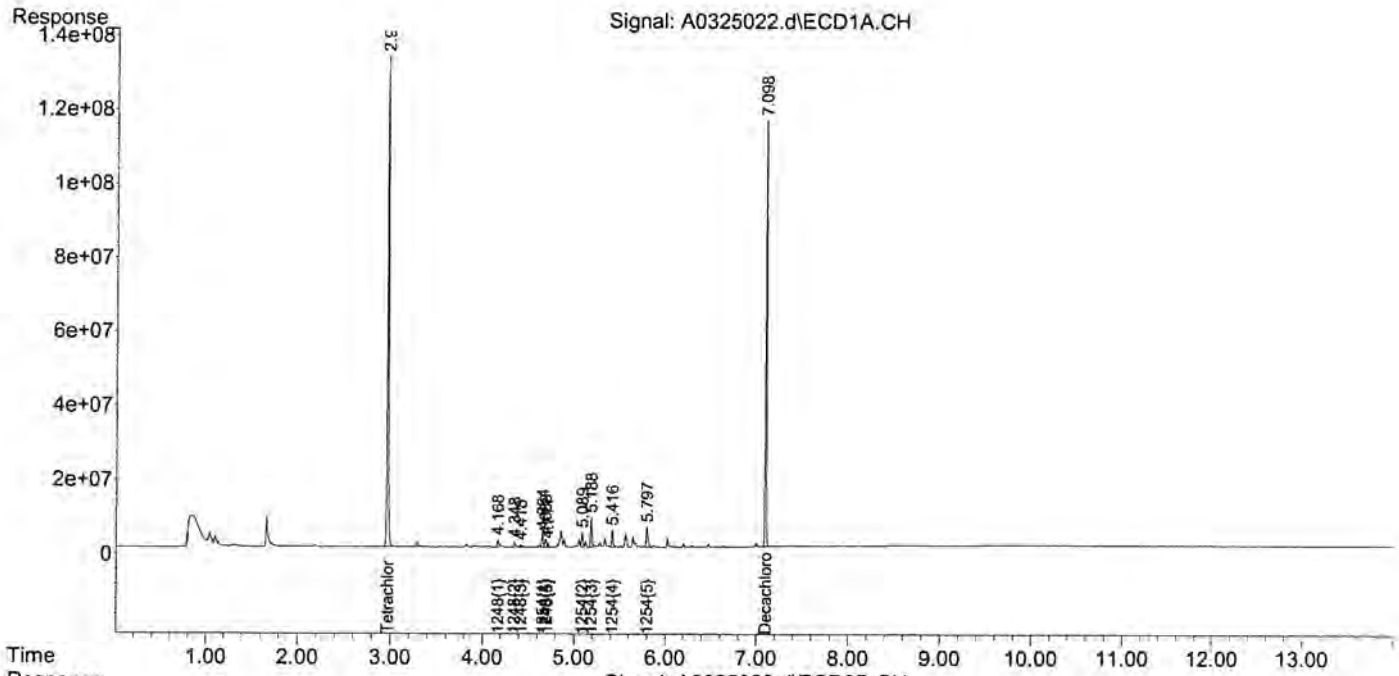


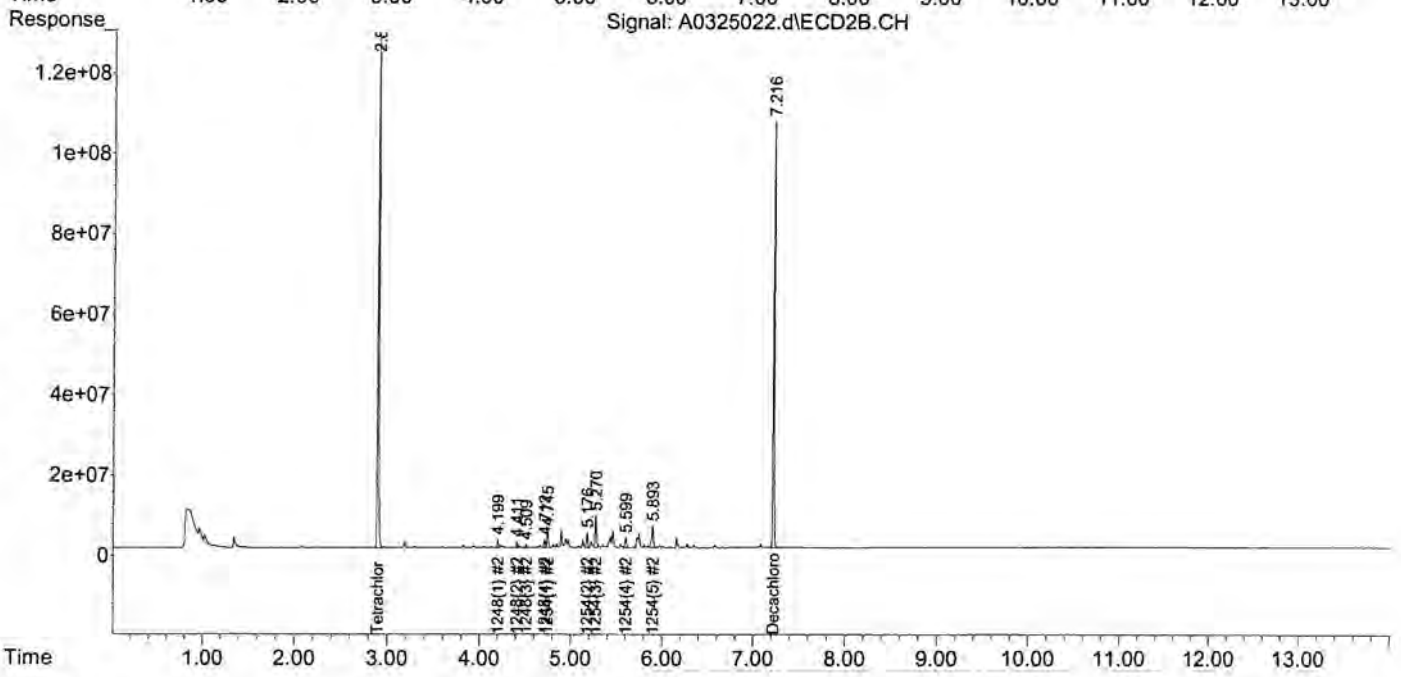
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325022.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 12:53 pm
Operator : JMB
Sample : 21C0875-04@5X TBA Inst : ECD1
Misc :
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:23:56 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



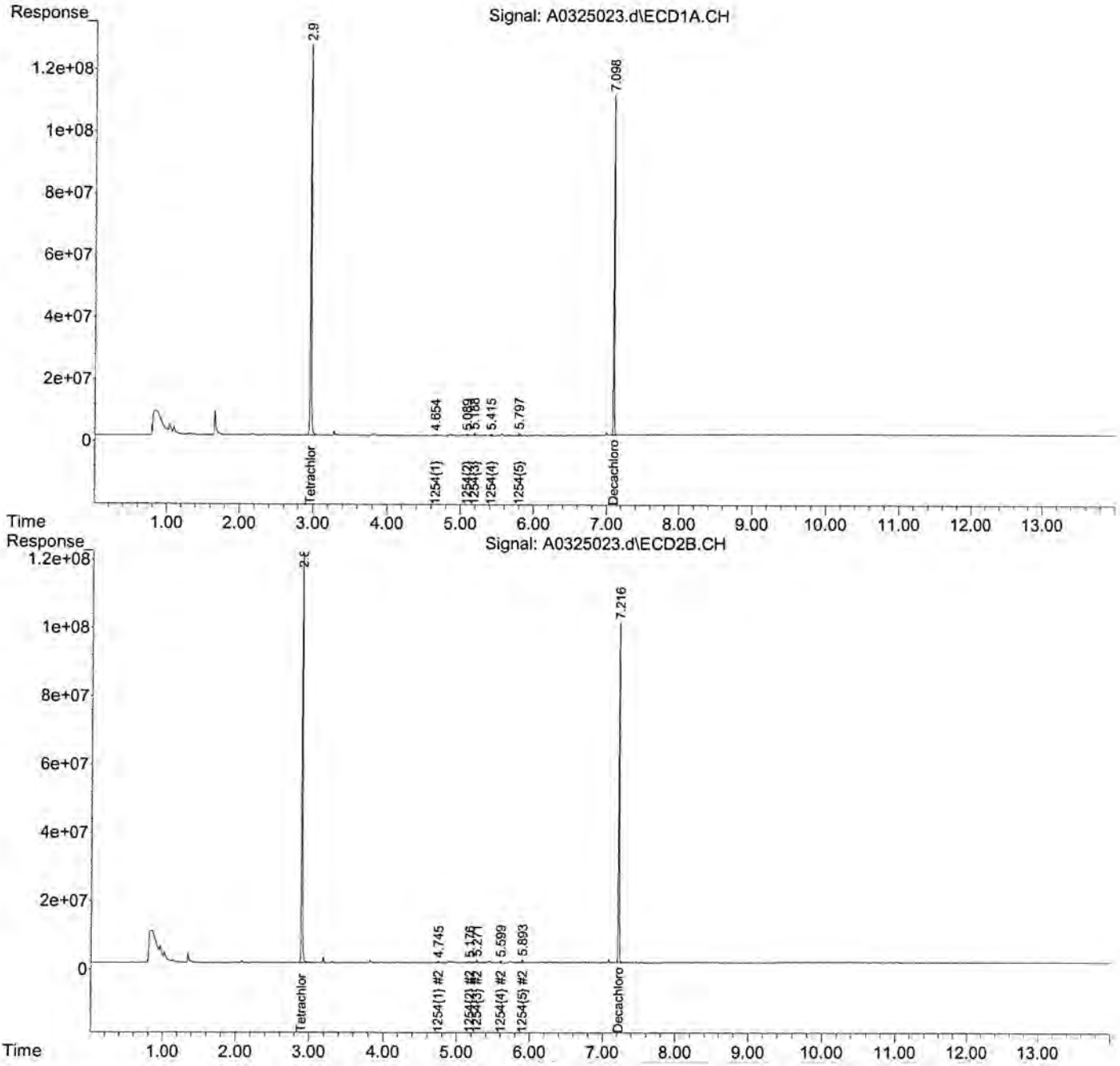


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325023.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 13:11 pm
Operator : JMB
Sample : 21C0875-05@5X TBA Inst : ECD1
Misc :
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:25:35 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

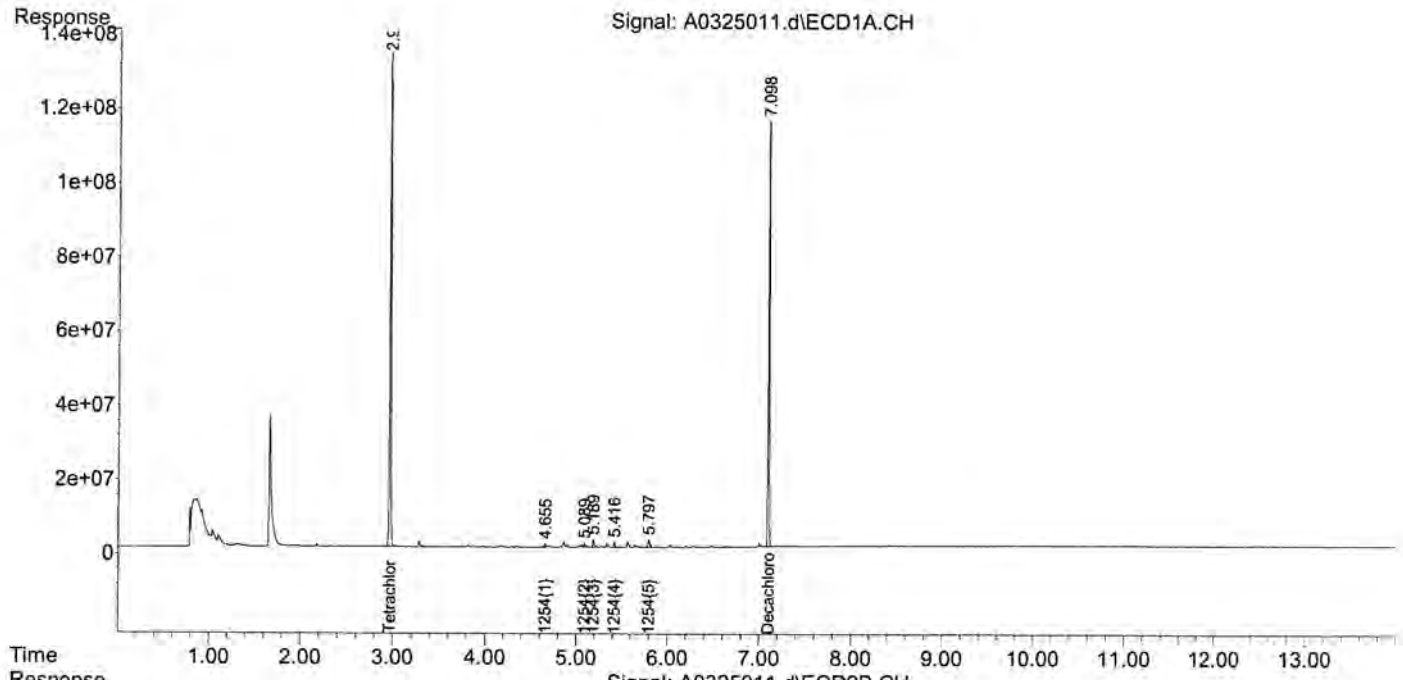


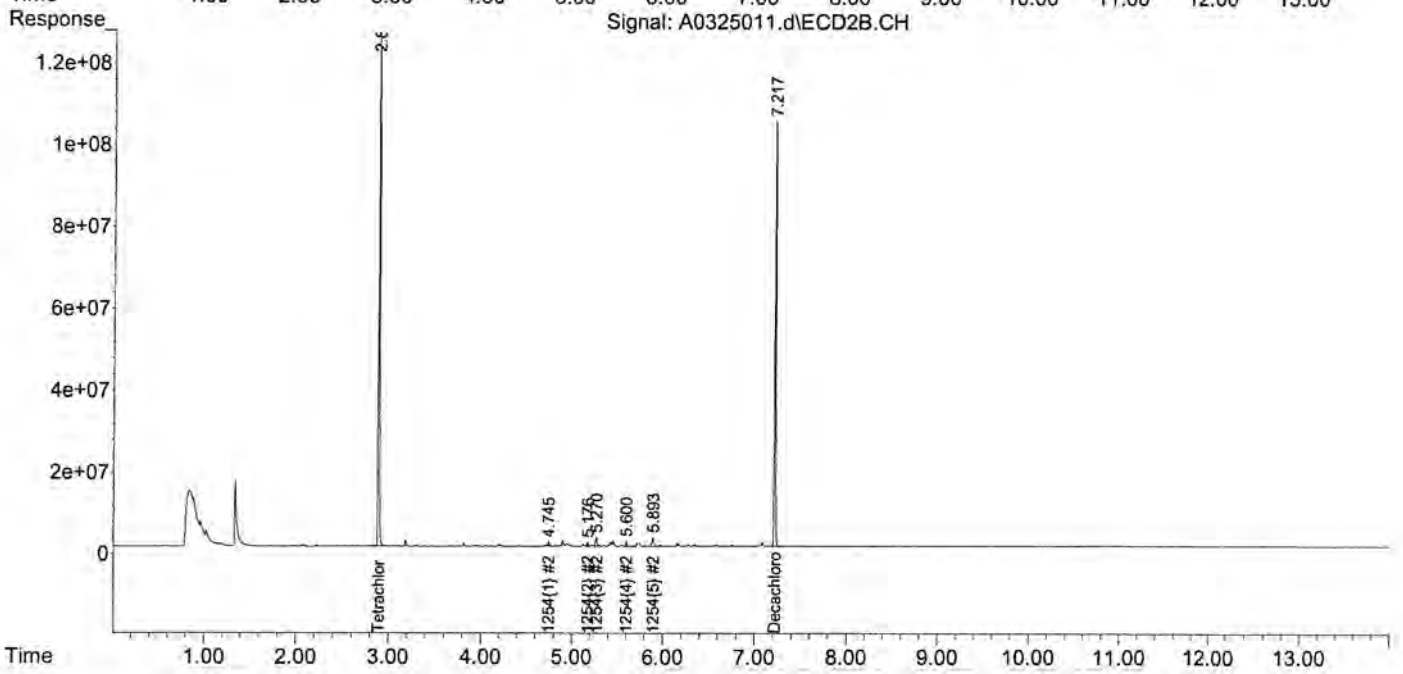
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325011.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 9:51 am
Operator : JMB
Sample : 21C0875-07@5X TBA Inst : ECD1
Misc :
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:13:37 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



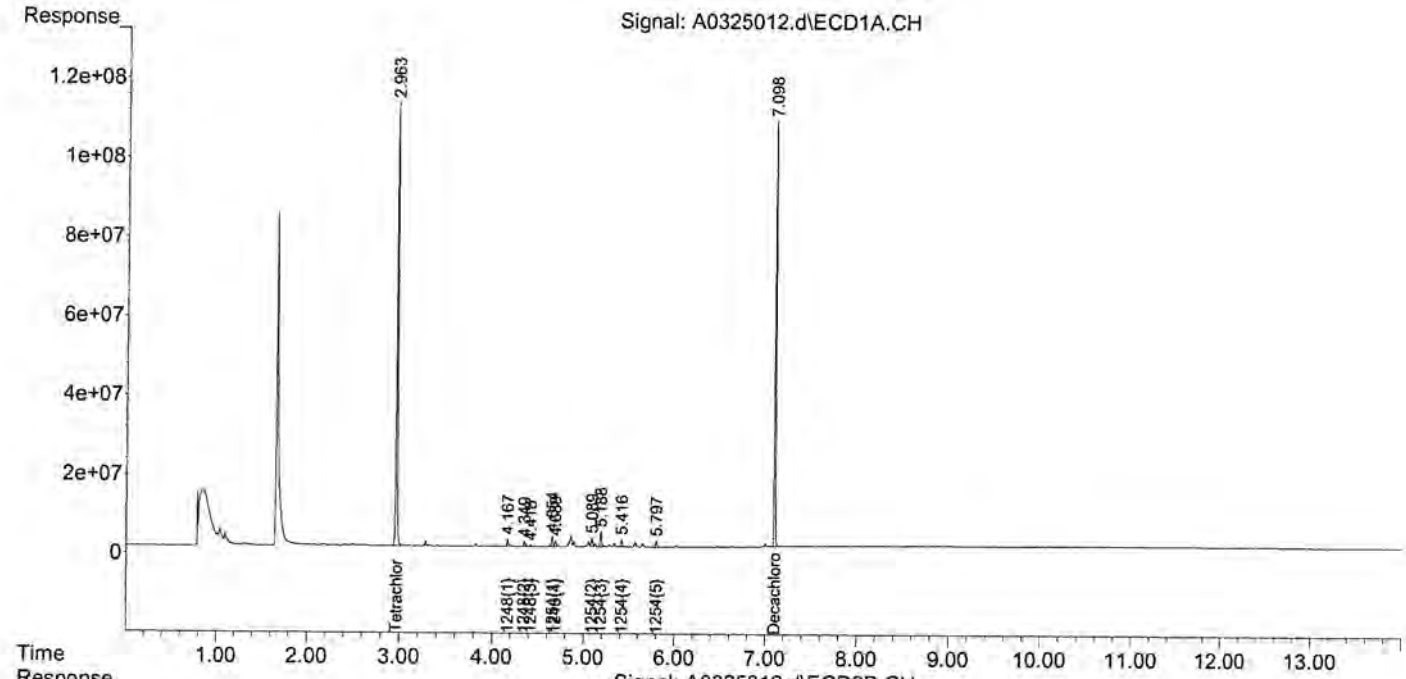


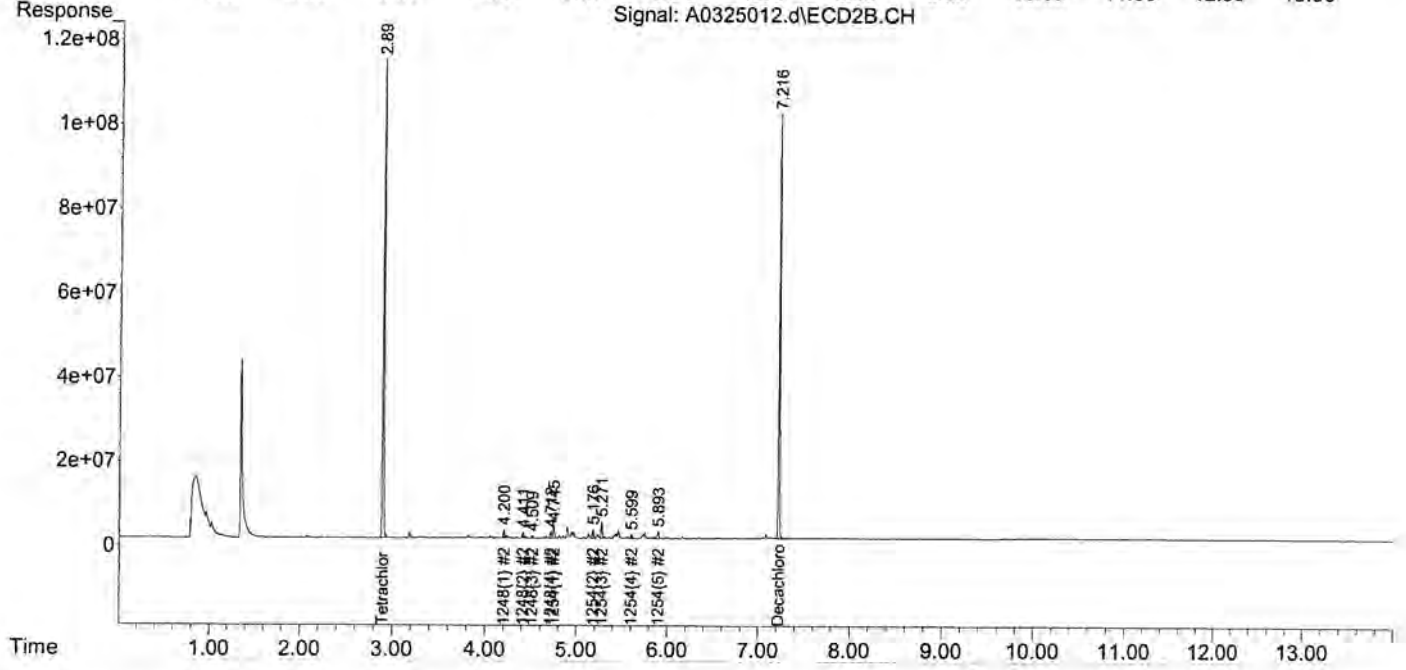
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325012.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 10:09 am
Operator : JMB
Sample : 21C0875-09@5X TBA Inst : ECD1
Misc :
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:15:13 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



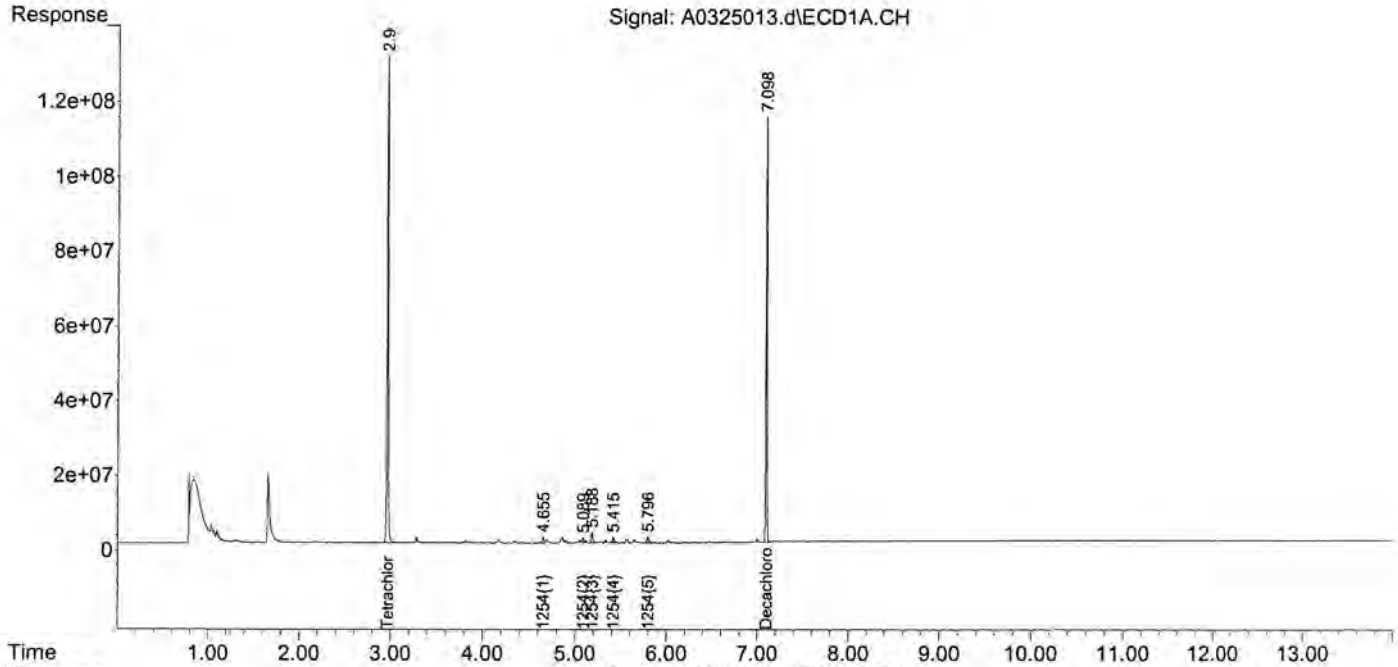


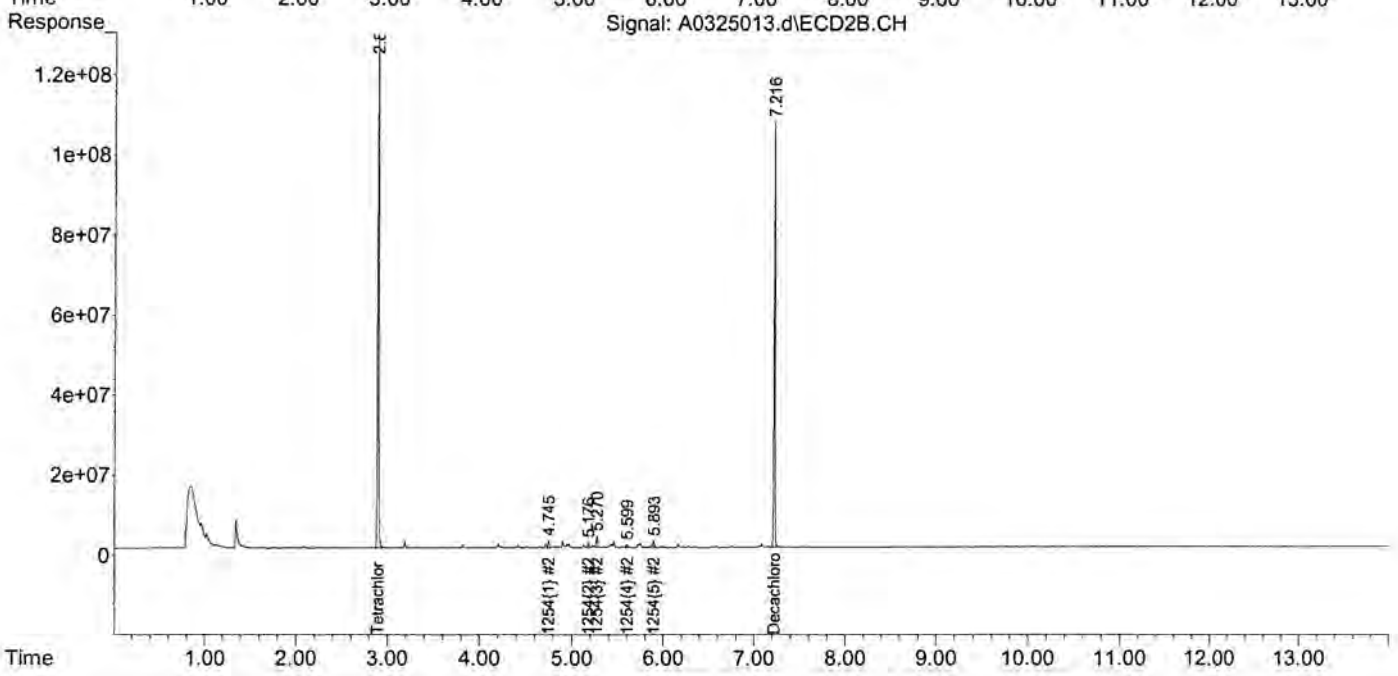
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325013.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 10:27 am
Operator : JMB
Sample : 21C0875-11@5X TBA Inst : ECD1
Misc :
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:20:02 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



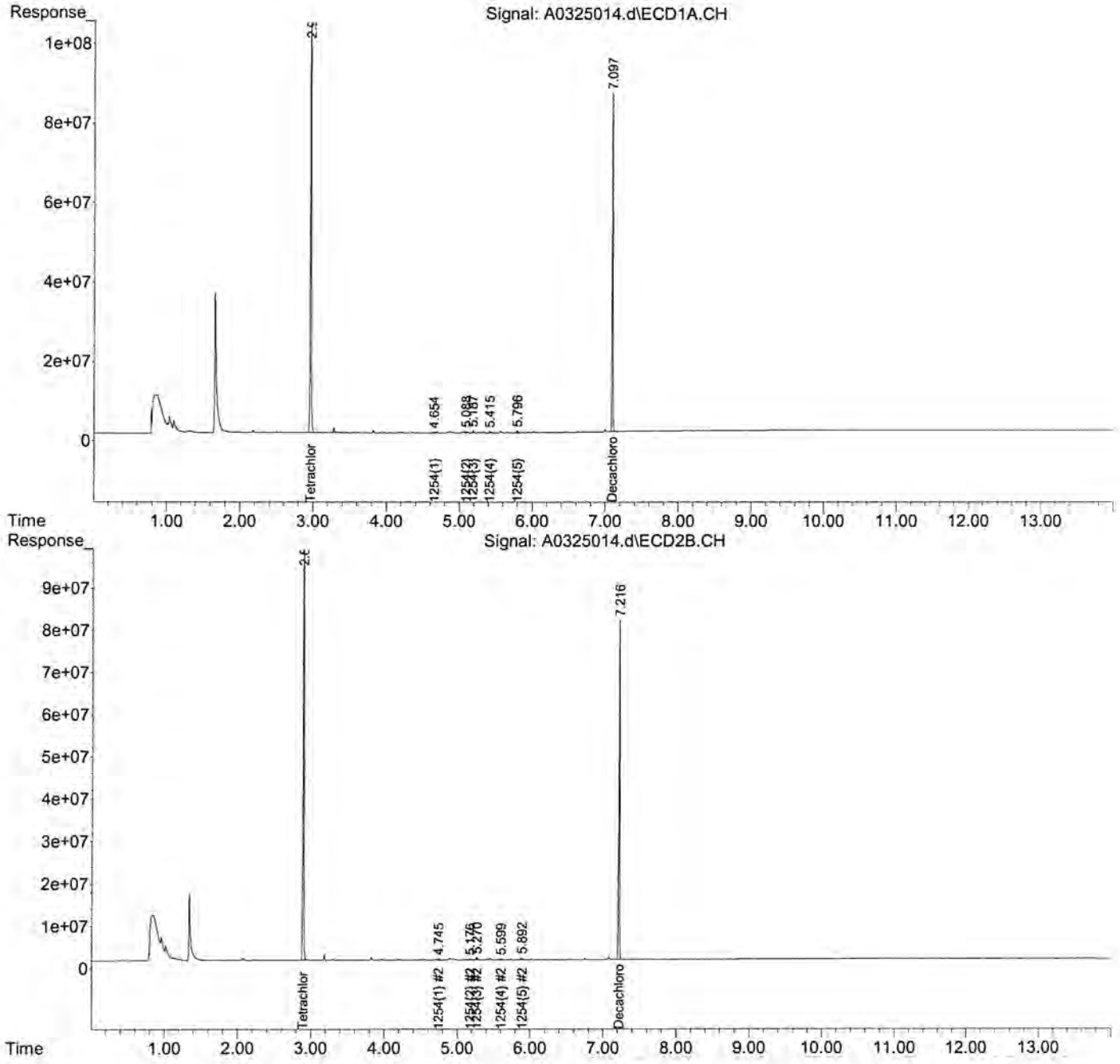


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325014.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 10:44 am
Operator : JMB
Sample : 21C0875-12@5X TBA Inst : ECD1
Misc :
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:20:45 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

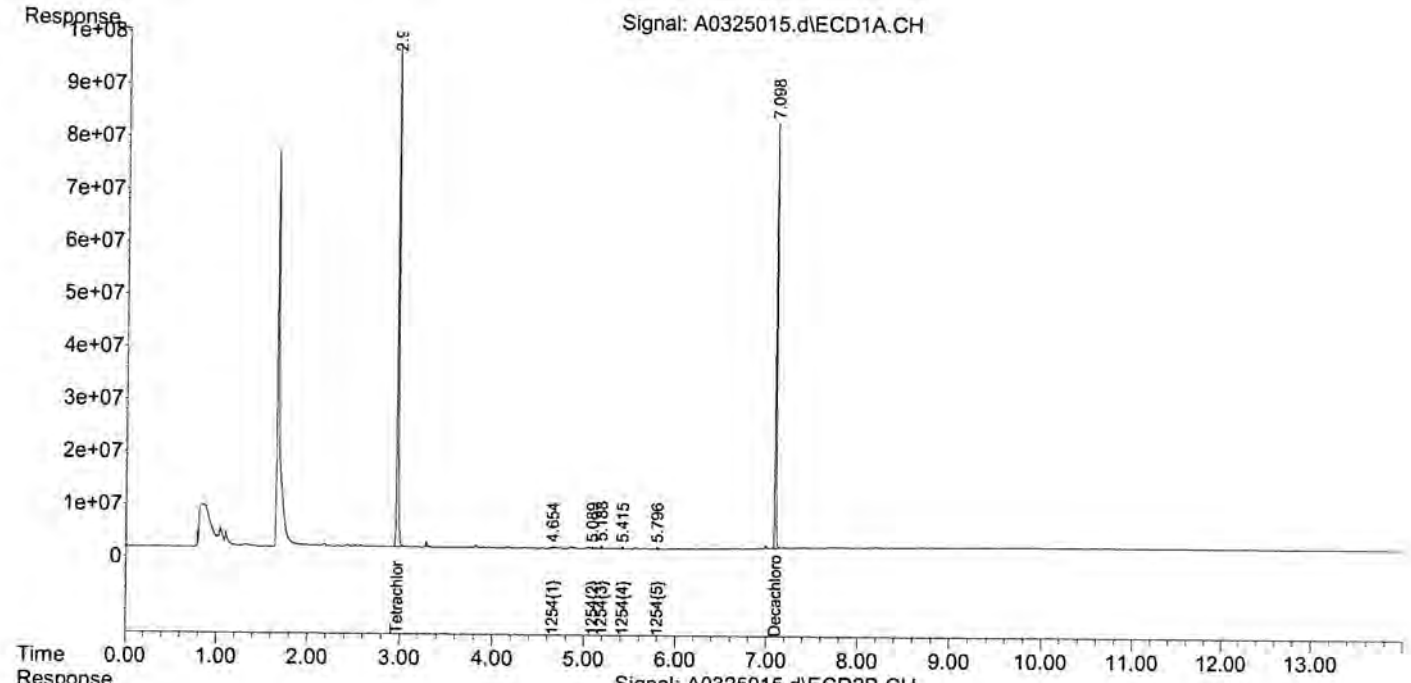


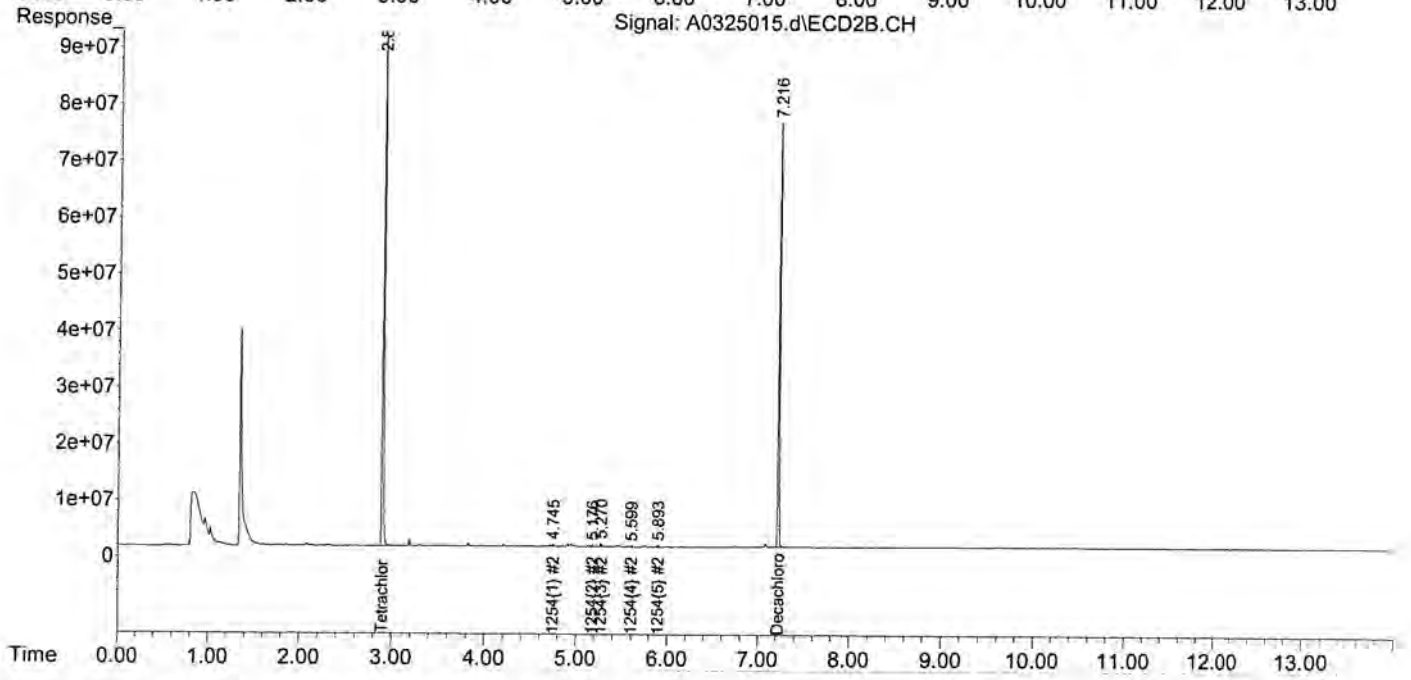
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325015.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 11:02 am
Operator : JMB
Sample : 21C0875-16@5X TBA Inst : ECD1
Misc :
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:21:15 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



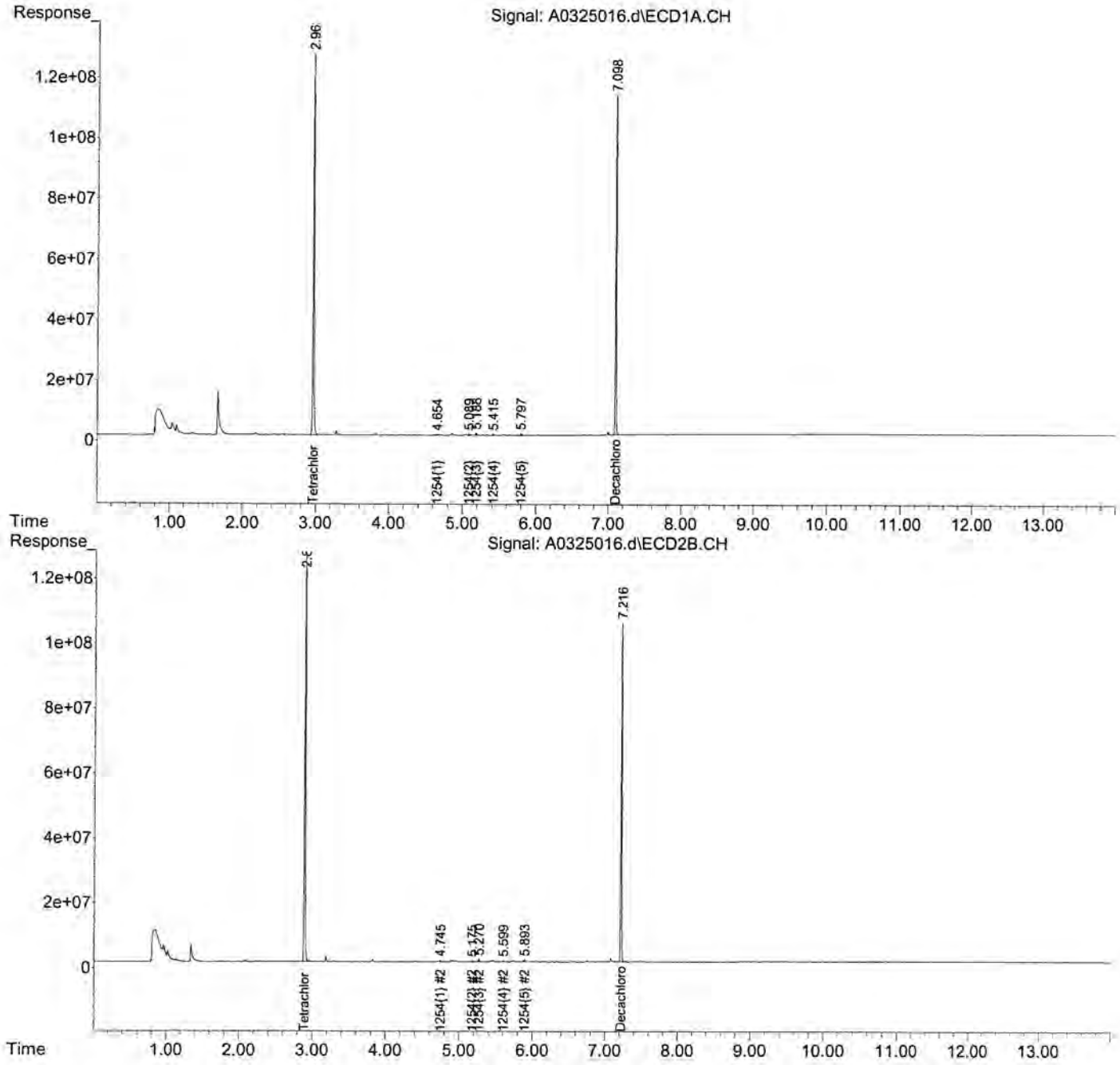


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325016.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 11:20 am
Operator : JMB
Sample : 21C0875-17@5X TBA Inst : ECD1
Misc :
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:21:44 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

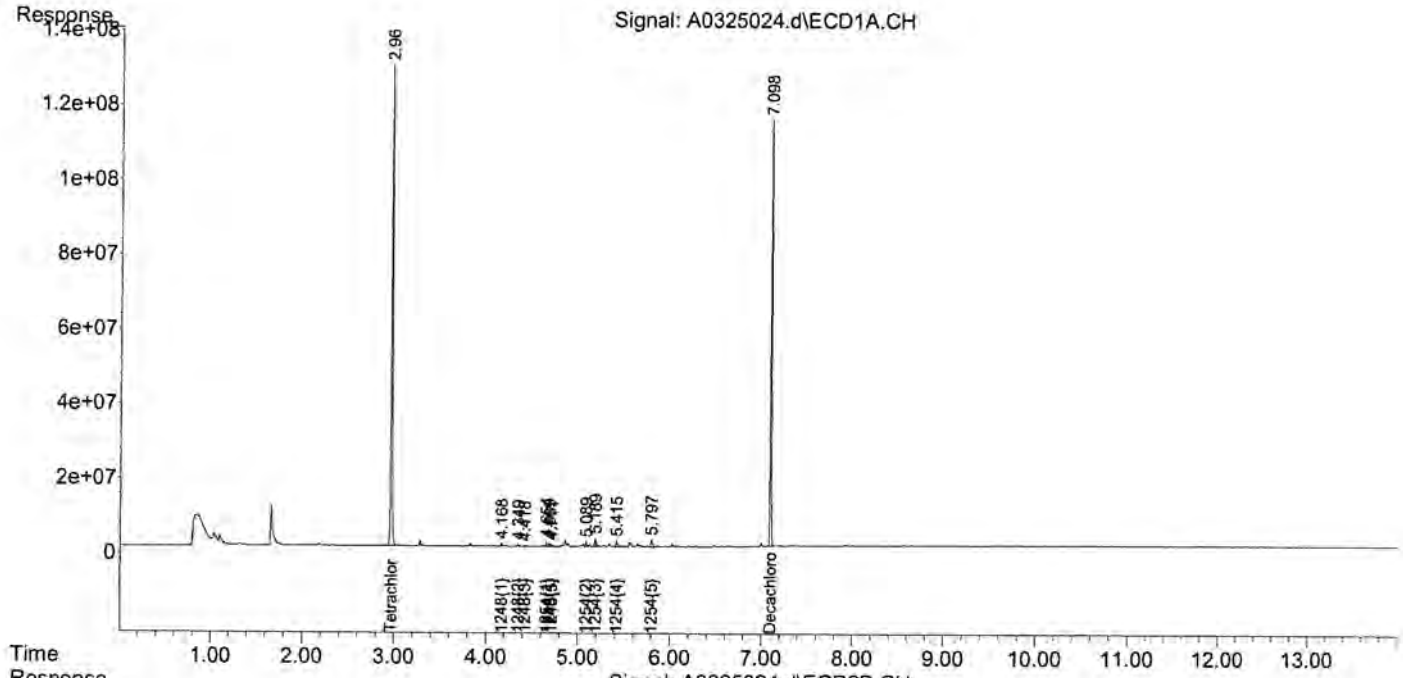


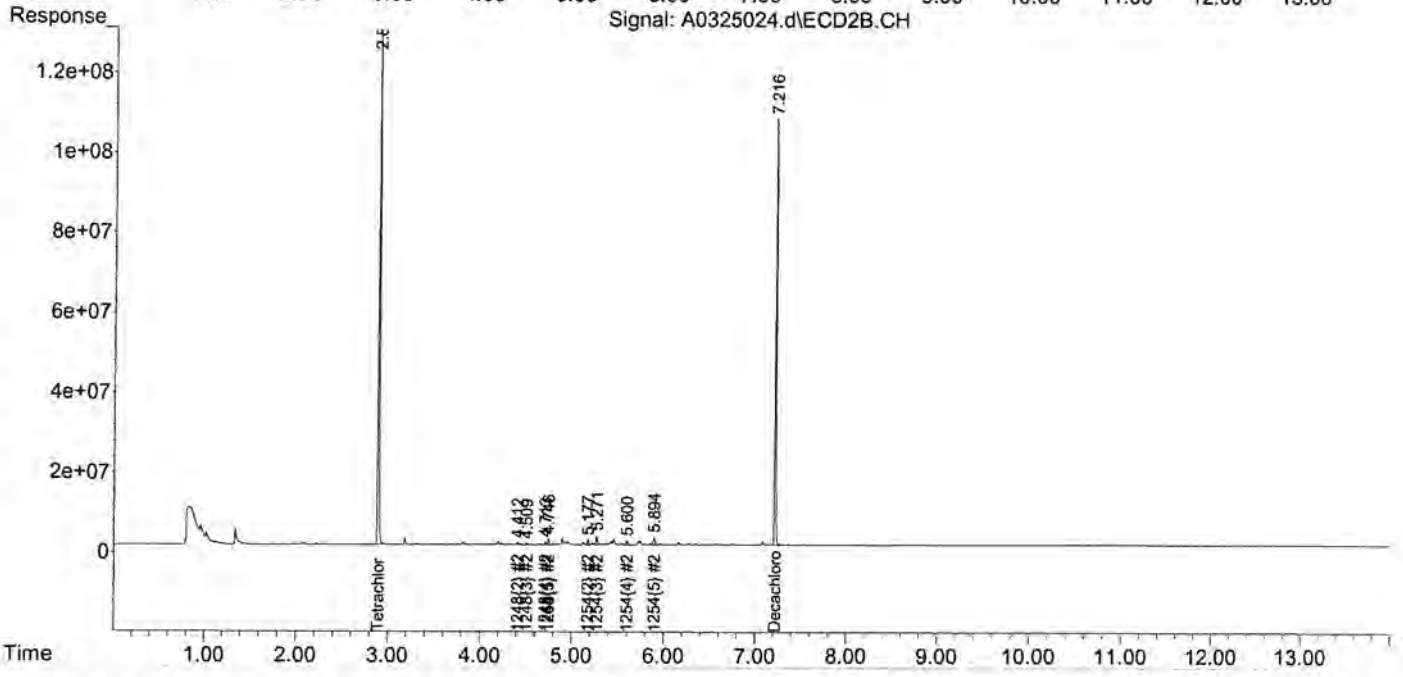
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325024.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 13:29 pm
Operator : JMB
Sample : 21C0875-19@5X TBA Inst : ECD1
Misc :
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:44:29 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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

March 29, 2021

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

Project Location: 52 Institute Rd, Burlington, VT
Client Job Number:
Project Number: 280BS01563 Task 7
Laboratory Work Order Number: 21C0875

Enclosed are results of analyses for samples received by the laboratory on March 17, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michelle M. Koch
Project Manager

Table of Contents

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: Jesse Stratton

REPORT DATE: 3/29/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Task 7

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21C0875

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

PROJECT LOCATION: 52 Institute Rd, Burlington, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
210315.A60.124-1031	21C0875-02	Product/Solid		SW-846 8082A	
210315.A43.124-1033	21C0875-03	Product/Solid		SW-846 8082A	
210315.A2012.124-1035	21C0875-04	Product/Solid		SW-846 8082A	
210315.A28.124-1037	21C0875-05	Product/Solid		SW-846 8082A	
210315.A2010.124-1041	21C0875-07	Product/Solid		SW-846 8082A	
210315.A135.124-1045	21C0875-09	Product/Solid		SW-846 8082A	
210316.A32.125-1049	21C0875-11	Product/Solid		SW-846 8082A	
210316.A100.125-1051	21C0875-12	Product/Solid		SW-846 8082A	
210316.A55.125-1062	21C0875-16	Product/Solid		SW-846 8082A	
210316.A114.125-1064	21C0875-17	Product/Solid		SW-846 8082A	
210316.A116.125-1070	21C0875-19	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.

REVISED REPORT - per client, revised sample IDs for -11,12,16,17,19 3/29/21 mmk

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.

Michelle M. Koch
Project Manager

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

Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A60.124-1031 Sampled: 3/15/2021 11:08

Sample ID: 21C0875-02

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	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1221 [1]	ND	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1232 [1]	ND	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1242 [1]	ND	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1248 [1]	ND	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1254 [2]	0.55	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1260 [1]	ND	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1262 [1]	ND	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG
Aroclor-1268 [1]	ND	0.42	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:33	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.3	30-150		3/25/21 9:33
Decachlorobiphenyl [2]	93.4	30-150		3/25/21 9:33
Tetrachloro-m-xylene [1]	87.9	30-150		3/25/21 9:33
Tetrachloro-m-xylene [2]	92.1	30-150		3/25/21 9:33

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A43.124-1033 Sampled: 3/15/2021 11:38

Sample ID: 21C0875-03

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	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1221 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1232 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1242 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1248 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1254 [2]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1260 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1262 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG
Aroclor-1268 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:35	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		3/25/21 12:35
Decachlorobiphenyl [2]	109	30-150		3/25/21 12:35
Tetrachloro-m-xylene [1]	103	30-150		3/25/21 12:35
Tetrachloro-m-xylene [2]	108	30-150		3/25/21 12:35

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

Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A2012.124-1035 Sampled: 3/15/2021 11:53

Sample ID: 21C0875-04

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	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1248 [2]	ND	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1254 [2]	1.0	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 12:53	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.0	30-150		3/25/21 12:53
Decachlorobiphenyl [2]	104	30-150		3/25/21 12:53
Tetrachloro-m-xylene [1]	96.4	30-150		3/25/21 12:53
Tetrachloro-m-xylene [2]	101	30-150		3/25/21 12:53

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Project Location: 52 Institute Rd, Burlington, VT | Sample Description: | Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A28.124-1037 | Sampled: 3/15/2021 13:53

Sample ID: 21C0875-05

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	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/25/21 13:11	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.1	30-150		3/25/21 13:11
Decachlorobiphenyl [2]	98.6	30-150		3/25/21 13:11
Tetrachloro-m-xylene [1]	93.8	30-150		3/25/21 13:11
Tetrachloro-m-xylene [2]	99.2	30-150		3/25/21 13:11

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A2010.124-1041 Sampled: 3/15/2021 15:07

Sample ID: 21C0875-07

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	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1254 [2]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1260 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 9:51	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.2	30-150		3/25/21 9:51
Decachlorobiphenyl [2]	103	30-150		3/25/21 9:51
Tetrachloro-m-xylene [1]	96.1	30-150		3/25/21 9:51
Tetrachloro-m-xylene [2]	99.8	30-150		3/25/21 9:51

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210315.A135.124-1045 Sampled: 3/15/2021 15:36

Sample ID: 21C0875-09

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	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1221 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1232 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1242 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1248 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1254 [2]	0.49	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1260 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1262 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG
Aroclor-1268 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:09	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.6	30-150		3/25/21 10:09
Decachlorobiphenyl [2]	97.0	30-150		3/25/21 10:09
Tetrachloro-m-xylene [1]	82.0	30-150		3/25/21 10:09
Tetrachloro-m-xylene [2]	85.5	30-150		3/25/21 10:09

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Project Location: 52 Institute Rd, Burlington, VT | Sample Description: | Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210316.A32.125-1049 | Sampled: 3/16/2021 08:42

Sample ID: 21C0875-11

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	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1254 [2]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:27	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.2	30-150		3/25/21 10:27
Decachlorobiphenyl [2]	103	30-150		3/25/21 10:27
Tetrachloro-m-xylene [1]	96.2	30-150		3/25/21 10:27
Tetrachloro-m-xylene [2]	101	30-150		3/25/21 10:27

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210316.A100.125-1051 Sampled: 3/16/2021 09:05

Sample ID: 21C0875-12

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	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1254 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1260 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 10:44	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.1	30-150		3/25/21 10:44
Decachlorobiphenyl [2]	78.1	30-150		3/25/21 10:44
Tetrachloro-m-xylene [1]	84.6	30-150		3/25/21 10:44
Tetrachloro-m-xylene [2]	88.4	30-150		3/25/21 10:44

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210316.A55.125-1062 Sampled: 3/16/2021 12:14

Sample ID: 21C0875-16

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	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:02	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	68.3	30-150		3/25/21 11:02
Decachlorobiphenyl [2]	74.2	30-150		3/25/21 11:02
Tetrachloro-m-xylene [1]	73.8	30-150		3/25/21 11:02
Tetrachloro-m-xylene [2]	78.2	30-150		3/25/21 11:02

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210316.A114.125-1064 Sampled: 3/16/2021 12:46

Sample ID: 21C0875-17

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	3/18/21	3/25/21 11:20	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG
Aroclor-1254 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 11:20	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.2	30-150		3/25/21 11:20
Decachlorobiphenyl [2]	103	30-150		3/25/21 11:20
Tetrachloro-m-xylene [1]	93.7	30-150		3/25/21 11:20
Tetrachloro-m-xylene [2]	98.3	30-150		3/25/21 11:20

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Project Location: 52 Institute Rd, Burlington, VT | Sample Description: | Work Order: 21C0875

Date Received: 3/17/2021

Field Sample #: 210316.A116.125-1070 | Sampled: 3/16/2021 13:24

Sample ID: 21C0875-19

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	3/18/21	3/25/21 13:29	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG
Aroclor-1254 [2]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/25/21 13:29	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.3	30-150		3/25/21 13:29
Decachlorobiphenyl [2]	103	30-150		3/25/21 13:29
Tetrachloro-m-xylene [1]	96.0	30-150		3/25/21 13:29
Tetrachloro-m-xylene [2]	101	30-150		3/25/21 13:29

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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
21C0875-02 [210315.A60.124-1031]	B278260	2.40	10.0	03/18/21
21C0875-07 [210315.A2010.124-1041]	B278260	2.16	10.0	03/18/21
21C0875-09 [210315.A135.124-1045]	B278260	2.13	10.0	03/18/21
21C0875-11 [210316.A32.125-1049]	B278260	2.09	10.0	03/18/21
21C0875-12 [210316.A100.125-1051]	B278260	2.16	10.0	03/18/21
21C0875-16 [210316.A55.125-1062]	B278260	2.07	10.0	03/18/21
21C0875-17 [210316.A114.125-1064]	B278260	2.04	10.0	03/18/21

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21C0875-19 [210316.A116.125-1070]	B278309	2.00	10.0	03/18/21

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21C0875-03 [210315.A43.124-1033]	B278348	2.25	10.0	03/19/21
21C0875-04 [210315.A2012.124-1035]	B278348	2.08	10.0	03/19/21
21C0875-05 [210315.A28.124-1037]	B278348	2.00	10.0	03/19/21

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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 B278260 - SW-846 3540C										
Blank (B278260-BLK1)				Prepared: 03/18/21 Analyzed: 03/19/21						
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	*0.899*		mg/Kg	1.00		89.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.906*		mg/Kg	1.00		90.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.814*		mg/Kg	1.00		81.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.837*		mg/Kg	1.00		83.7	30-150			
LCS (B278260-BS1)				Prepared: 03/18/21 Analyzed: 03/19/21						
Aroclor-1016	0.85	0.10	mg/Kg	1.00		84.5	40-140			
Aroclor-1016 [2C]	0.76	0.10	mg/Kg	1.00		76.2	40-140			
Aroclor-1260	0.81	0.10	mg/Kg	1.00		80.6	40-140			
Aroclor-1260 [2C]	0.78	0.10	mg/Kg	1.00		77.5	40-140			
Surrogate: Decachlorobiphenyl	*0.936*		mg/Kg	1.00		93.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.943*		mg/Kg	1.00		94.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.844*		mg/Kg	1.00		84.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.830*		mg/Kg	1.00		83.0	30-150			
LCS Dup (B278260-BSD1)				Prepared: 03/18/21 Analyzed: 03/19/21						
Aroclor-1016	0.94	0.10	mg/Kg	1.00		93.9	40-140	10.5	30	
Aroclor-1016 [2C]	0.84	0.10	mg/Kg	1.00		84.1	40-140	9.82	30	
Aroclor-1260	0.88	0.10	mg/Kg	1.00		88.3	40-140	9.13	30	
Aroclor-1260 [2C]	0.83	0.10	mg/Kg	1.00		83.3	40-140	7.18	30	
Surrogate: Decachlorobiphenyl	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.991*		mg/Kg	1.00		99.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.952*		mg/Kg	1.00		95.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.943*		mg/Kg	1.00		94.3	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 B278309 - SW-846 3540C										
Blank (B278309-BLK1)				Prepared: 03/18/21 Analyzed: 03/21/21						
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	*0.904*		mg/Kg	1.00		90.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.837*		mg/Kg	1.00		83.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.865*		mg/Kg	1.00		86.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.835*		mg/Kg	1.00		83.5	30-150			
LCS (B278309-BS1)				Prepared: 03/18/21 Analyzed: 03/21/21						
Aroclor-1016	0.86	0.10	mg/Kg	1.00		86.5	40-140			
Aroclor-1016 [2C]	0.83	0.10	mg/Kg	1.00		83.2	40-140			
Aroclor-1260	0.80	0.10	mg/Kg	1.00		79.7	40-140			
Aroclor-1260 [2C]	0.73	0.10	mg/Kg	1.00		73.4	40-140			
Surrogate: Decachlorobiphenyl	*0.973*		mg/Kg	1.00		97.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.895*		mg/Kg	1.00		89.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.915*		mg/Kg	1.00		91.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.877*		mg/Kg	1.00		87.7	30-150			
LCS Dup (B278309-BSD1)				Prepared: 03/18/21 Analyzed: 03/21/21						
Aroclor-1016	0.84	0.10	mg/Kg	1.00		83.9	40-140	3.04	30	
Aroclor-1016 [2C]	0.81	0.10	mg/Kg	1.00		81.1	40-140	2.55	30	
Aroclor-1260	0.77	0.10	mg/Kg	1.00		76.7	40-140	3.87	30	
Aroclor-1260 [2C]	0.70	0.10	mg/Kg	1.00		70.4	40-140	4.23	30	
Surrogate: Decachlorobiphenyl	*0.909*		mg/Kg	1.00		90.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.839*		mg/Kg	1.00		83.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.870*		mg/Kg	1.00		87.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.838*		mg/Kg	1.00		83.8	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 B278348 - SW-846 3540C										
Blank (B278348-BLK1)				Prepared: 03/19/21 Analyzed: 03/25/21						
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	*0.851*		mg/Kg	1.00		85.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.859*		mg/Kg	1.00		85.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.675*		mg/Kg	1.00		67.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.677*		mg/Kg	1.00		67.7	30-150			
LCS (B278348-BS1)				Prepared: 03/19/21 Analyzed: 03/25/21						
Aroclor-1016	0.68	0.10	mg/Kg	1.00		68.2	40-140			
Aroclor-1016 [2C]	0.76	0.10	mg/Kg	1.00		75.5	40-140			
Aroclor-1260	0.70	0.10	mg/Kg	1.00		69.9	40-140			
Aroclor-1260 [2C]	0.74	0.10	mg/Kg	1.00		74.1	40-140			
Surrogate: Decachlorobiphenyl	*0.808*		mg/Kg	1.00		80.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.824*		mg/Kg	1.00		82.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.675*		mg/Kg	1.00		67.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.681*		mg/Kg	1.00		68.1	30-150			
LCS Dup (B278348-BSD1)				Prepared: 03/19/21 Analyzed: 03/25/21						
Aroclor-1016	0.72	0.10	mg/Kg	1.00		72.0	40-140	5.42	30	
Aroclor-1016 [2C]	0.79	0.10	mg/Kg	1.00		78.8	40-140	4.24	30	
Aroclor-1260	0.73	0.10	mg/Kg	1.00		73.3	40-140	4.65	30	
Aroclor-1260 [2C]	0.77	0.10	mg/Kg	1.00		76.9	40-140	3.63	30	
Surrogate: Decachlorobiphenyl	*0.840*		mg/Kg	1.00		84.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.853*		mg/Kg	1.00		85.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.700*		mg/Kg	1.00		70.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.702*		mg/Kg	1.00		70.2	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A60.124-1031

Lab Sample ID: 21C0875-02 Date(s) Analyzed: 03/25/2021 03/25/2021

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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	0.47	
	2	0.000	0.000	0.000	0.55	15.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A2012.124-1035

Lab Sample ID: 21C0875-04 Date(s) Analyzed: 03/25/2021 03/25/2021

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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	0.95	
	2	0.000	0.000	0.000	1.0	5.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B278260-BS1 Date(s) Analyzed: 03/19/2021 03/19/2021

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	0.85	
	2	0.000	0.000	0.000	0.76	11.2
Aroclor-1260	1	0.000	0.000	0.000	0.81	
	2	0.000	0.000	0.000	0.78	3.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B278260-BSD1 Date(s) Analyzed: 03/19/2021 03/19/2021

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	0.94	
	2	0.000	0.000	0.000	0.84	11.2
Aroclor-1260	1	0.000	0.000	0.000	0.88	
	2	0.000	0.000	0.000	0.83	5.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B278309-BS1 Date(s) Analyzed: 03/21/2021 03/21/2021

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	0.86	
	2	0.000	0.000	0.000	0.83	4.7
Aroclor-1260	1	0.000	0.000	0.000	0.80	
	2	0.000	0.000	0.000	0.73	9.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B278309-BSD1 Date(s) Analyzed: 03/21/2021 03/21/2021

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	0.84	
	2	0.000	0.000	0.000	0.81	3.6
Aroclor-1260	1	0.000	0.000	0.000	0.77	
	2	0.000	0.000	0.000	0.70	9.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B278348-BS1 Date(s) Analyzed: 03/25/2021 03/25/2021

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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	0.76	11.1
Aroclor-1260	1	0.000	0.000	0.000	0.70	
	2	0.000	0.000	0.000	0.74	5.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B278348-BSD1 Date(s) Analyzed: 03/25/2021 03/25/2021

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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	0.72	
	2	0.000	0.000	0.000	0.79	9.3
Aroclor-1260	1	0.000	0.000	0.000	0.73	
	2	0.000	0.000	0.000	0.77	5.3

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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 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	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2021
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2021
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2021
FL	Florida Department of Health	E871027 NELAP	06/30/2021
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2021
ME	State of Maine	MA00100	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2021
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2021
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

2103875

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

Company Name:
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980

Project Name:
Project Location: 52 Institute Road, Burlington, Vermont
Project Number: 280BS01563 Phase 012
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: N. Amato, J. Adams, K. Paritz

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

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

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 Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
1	210315.A68.124-1029	3/16/21	10:28	Grab	O	U		1				✓	✓
2	210315.A69.124-1031		11:08	Grab	O	U		1				✓	✓
3	210315.A43.124-1033		11:38	Grab	O	U		1				✓	✓
4	210315.A2012.124-1035		11:53	Grab	O	U		1				✓	✓
5	210315.A28.124-1037		13:53	Grab	O	U		1				✓	✓
6	210315.A109.124-1039		14:49	Grab	O	U		1				✓	✓
7	210315.A2010-124-1041		15:07	Grab	O	U		1				✓	✓
8	210315.A2008-124-1043		15:22	Grab	O	U		1				✓	✓
9	210315.A135.124-1045		15:36	Grab	O	U		1				✓	✓
10	210316.A30.125-1047	3/16/21	8:33	Grab	O	U		1				✓	✓

[2] Preservation Code

Carrier Use Only
Total Number Of:
VIALS
GLASS 19
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)

Relinquished by: (signature)	Date/Time:
	3/16/21 1500
Received by: (signature)	Date/Time:
[illegible] MM	3/17/21 10:55 am
Relinquished by: (signature)	Date/Time:
[illegible] MM	3/17/21 10:55
Received by: (signature)	Date/Time: 10:55
[illegible]	3/17/2021
Relinquished by: (signature)	Date/Time: 1800
[illegible]	3/17/2021
Received by: (signature)	Date/Time:
[illegible] 3.1	3/17/21 1800
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:
Conduct Extraction only
Do not analyze until further Instruction

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab 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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210875

con-test ANALYTICAL LABORATORY

http://www.contestlabs.com

Doc # 381 Rev 2_06262019

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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 2

Company Name:
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980

Project Name:
Project Location: 52 Institute Road, Burlington, Vermont
Project Number: 280BS01563 Phase 012
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: N. Amato, J. Adams, K. Paritz

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

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

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 Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
11	210316.A32.125-1049	3/16/21	08:42	Grab	O	U		1				✓	✓
12	210316.A100.125-1051		09:05	Grab	O	U		1				✓	✓
13	210316.A138-125-1055		09:29	Grab	O	U		1				✓	✓
14	210316.A140.125-1057		09:57	Grab	O	U		1				✓	✓
15	210316.A2003.125-1059		10:23	Grab	O	U		1				✓	✓
16	210316.A55.125-1062		12:14	Grab	O	U		1				✓	✓
17	210316.A114.125-1064		12:46	Grab	O	U		1				✓	✓
18	210316.A112.125-1068		12:54	Grab	O	U		1				✓	✓
19	210316.A116.125-1070		13:24	Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS 19
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)

Relinquished by: (signature)	Date/Time:
	3/16/21 1500
Received by: (signature)	Date/Time:
9MM	3/17/21 10:55 am
Relinquished by: (signature)	Date/Time:
9MM	3/17/21 10:55
Received by: (signature)	Date/Time: 10:55
	3/17/21
Relinquished by: (signature)	Date/Time: 1500
	3/17/21
Received by: (signature)	Date/Time:
3.1	3/17/21 1500
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:
Conduct Extraction only
Do not analyze - until further instruction

Detection Limit Requirements
MA
am
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab Comments:

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

con-test® ANALYTICAL LABORATORY

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 CA Date 3/17/21 Time 1800

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 # 2 Actual Temp - 3.1 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NR

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? NA 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? NA Acid _____ Base _____

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	19
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:

Analysis
8082 Soxhlet TRAY311

PREPARATION BENCH SHEET

B278309

Con-Test, a Pace Analytical Laboratory

Printed: 3/18/2021 5:14:07PM

Prepared using: SW-846 3540C

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

3/25/21

*ATC.

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B278309-BLK1	Blank			AVF 3.19.21		2.00	10.0		1000		
B278309-BS1	LCS					"		1000	1000		
B278309-BSD1	LCS Dup					"		1000	1000		
B278309-MS1	Matrix Spike [21C0928-01]					2.2		1000	1000		
B278309-MSD1	Matrix Spike Dup [21C0928-01]					2.0		1000	1000		
21C0875-18	210315.A112.125-1068 30-4E	03/24/21	03/30/21			2.0			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-19	210315.A116.125-1070 "	03/24/21	03/30/21			2.0			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0928-01	210317.B32.126-1072 30-4F	03/29/21	03/31/21			2.0			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0928-02	210317.B2006.126-107.4	03/29/21	03/31/21			2.1			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0928-03	210317.B28.126-1076	03/29/21	03/31/21			2.0			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0928-04	210317.B48.126-1078	03/29/21	03/31/21			2.1			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0928-05	210317.B19.126-1080	03/29/21	03/31/21			2.1			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0928-06	210317.B2004.126-1082	03/29/21	03/31/21			2.0			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7

Limited sample

SP VIT AVF CAH — 3.18.21
Spikedby/Witnessed By — Date

AVF — 3.18.21
Extracted By — Date

Loaded 032521 #1 TG
Prepped 032521 JR

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Analysis
8082 Soxhlet

PREPARATION BENCH SHEET

B278260

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 3/18/2021 2:04:12PM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

3/25/21

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B278260-BLK1	Blank			LG 3/19/21	#26	2.00	10.0		1000		
B278260-BS1	LCS							1000	1000		
B278260-BSD1	LCS Dup							1000	1000		
21C0875-01	210315.A68.124-1029 30-4E	03/24/21	03/29/21			2.38			1000	EXTRACT & HOLD, RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-02	210315.A60.124-1031	03/24/21	03/29/21			2.40			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-03	210315.A43.124-1033	03/24/21	03/29/21			2.00			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-04	210315.A2012.124-1035	03/24/21	03/29/21			2.27			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-05	210315.A28.124-1037	03/24/21	03/29/21			2.41			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-06	210315.A109.124-1039	03/24/21	03/29/21	LG 3/19/21	#26	2.35	10.0		1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-07	210315.A2010.124-1041	03/24/21	03/29/21			2.16			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-08	210315.A2008.124-1043	03/24/21	03/29/21			2.37			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5

LJH CAH — SPK DMP — 3/18/21
Spikedby/Witnessed By — Date

DMP — 3/18/21
Extracted By — Date

*sample blew out AHF 3.19.21 need re-extract.

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Loaded 032521 #1 WO#875 prepped in 28F

Analysis
8082 Soxhlet

PREPARATION BENCH SHEET

B278260

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 3/18/2021 2:04:12PM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
21C0875-09	210315.A135.124-1045	03/24/21	03/29/21	LG 3/19/21	# 26	2.13	10.0		1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-10	210315.A30.124-1047	03/24/21	03/30/21			2.12			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-11	210315.A32.125-1049	03/24/21	03/30/21			2.09			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-12	210315.A100.125-1051	03/24/21	03/30/21			2.16			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-13	210315.A138.125-1055	03/24/21	03/30/21			2.19			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-14	210315.A140.125-1057	03/24/21	03/30/21	LG	#87	2.13	10.0		1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-15	210315.A2003.125-1059	03/24/21	03/30/21			2.01			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-16	210315.A55.125-1062	03/24/21	03/30/21			2.07			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-17	210315.A114.125-1064	03/24/21	03/30/21			2.04			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5

Spikedby/Witnessed By Date

Extracted By Date

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Analysis
8082 Soxhlet

PREPARATION BENCH SHEET

B278260

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 3/18/2021 2:04:12PM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
21C0909-21 ✓	210316.A116.125-1069	03/24/21	03/30/21			2.10			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0909-22 ✓	210316.A2011.125-1071	03/24/21	03/30/21			2.06			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0909-23 ✓	210316.A144.125-1060	03/24/21	03/30/21			2.05			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5

START DATE/TIME:
END DATE/TIME:
SPK Start Date/Time 3/18/21 @ 15:15
WIT:
StopDate/Time 3/19/21 07:27

Standard ID#	Description	Manufacture Lot#
2007070	Sodium Sulfate (Drum 45.5kg)	0000240206
2102079	Acetone	EA362-US
2102208	Methylene Chloride (200 L Drum)	EA414-US
2102275	Hexanes	60311
2102300	Filter Paper (VWR 043) Fluted	A29495172
2103038	Filter Paper (VWR 121) 15.0cm	17184076
2103253	Sodium Sulfate (Baked)	Sodium Sulfate/2
2103299	Distilled Solvent - MeCl2	DCM/ACE

balance S/N: 525973

Spikedby/Witnessed By Date

Extracted By Date

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Analysis
8082 Soxhlet

PREPARATION BENCH SHEET

B278348

Con-Test, a Pace Analytical Laboratory

Printed: 3/19/2021 7:51:40AM

Prepared using: SW-846 3540C

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

*Extract + Holds.

3/25/21

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B278348-BLK1	Blank			LG 3/22/21	*1 59	2.0	10.0		1000		
B278348-BS1	LCS							1000	1000		
B278348-BSD1	LCS Dup							1000	1000		
21C0875-03	210315.A43.124-1033 30-4E	03/24/21	03/29/21			2.25			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-04	210315.A2012.124-1035	03/24/21	03/29/21			2.08			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-05	210315.A28.124-1037	03/24/21	03/29/21			2.0			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0929-01	210317.B32.126-1073 30-4F	03/29/21	03/31/21	AH 3/22/21	#311	2.05	10.0		1000	Extract & Hold RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0929-02	210317.B2006.126-1075	03/29/21	03/31/21			2.09			1000	Extract & Hold RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0929-03	210317.B28.126-1077	03/29/21	03/31/21			2.07			1000	Extract & Hold RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0929-04	210317.B48.126-1079	03/29/21	03/31/21	TNH 3/23/21	#311	2.00	10.0		1000	Extract & Hold RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21C0929-05	210317.B19.126-1081	03/29/21	03/31/21			2.03			1000	Extract & Hold RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7

WT ESO SPK SPF 3-20-21
Spikedby/Witnessed By Date

Extracted By Date

Loaded 032521 #1 JG

Placed 032521 TM

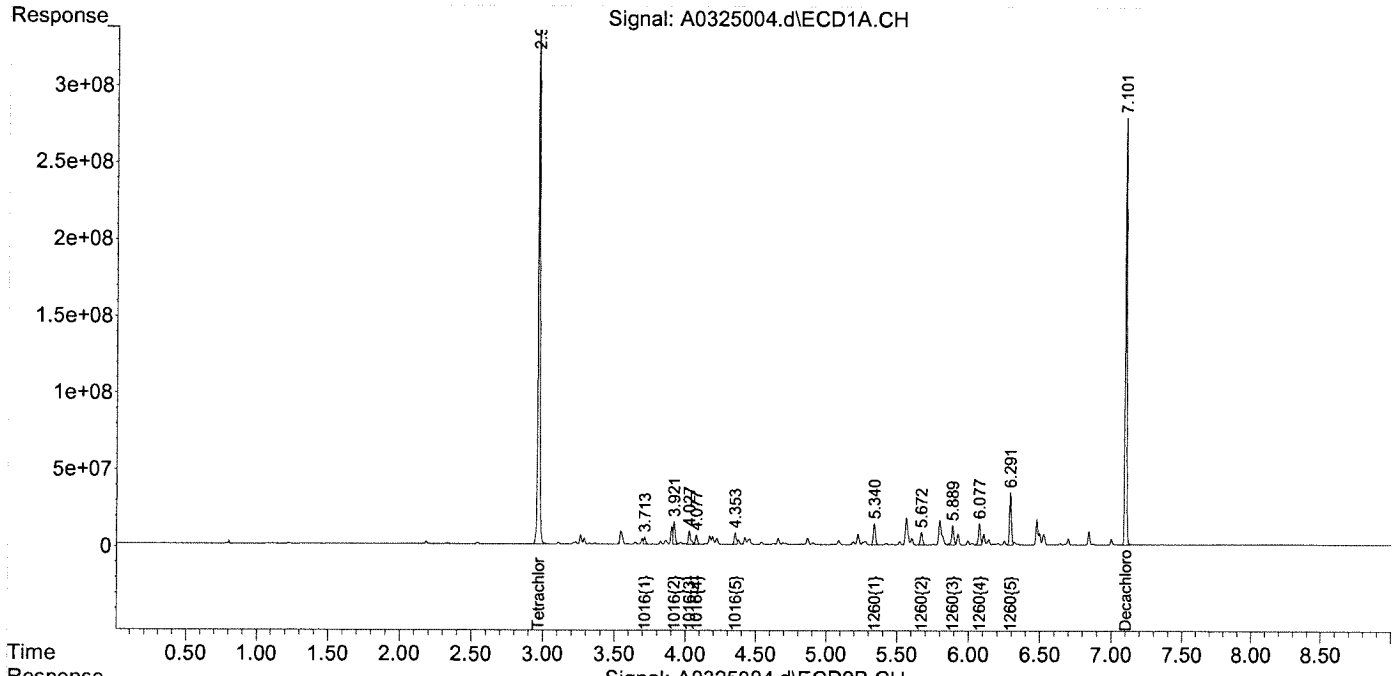
C:\ELMNT\Print\bch_DEF_EXT_TAT.rpt

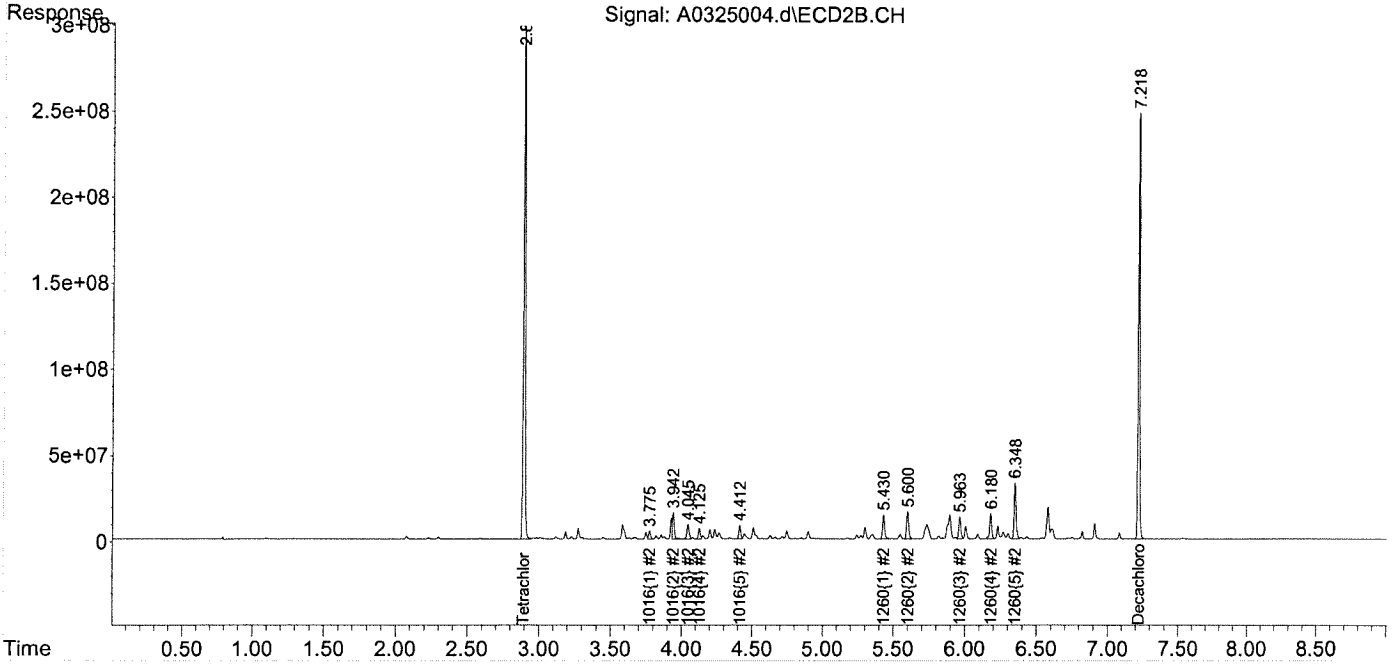
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325004.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 8:16 am
Operator : JMB
Sample : 1260/1016 100 2102019 Inst : ECD1
Misc : mix[s,11,17]
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 08:59:27 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



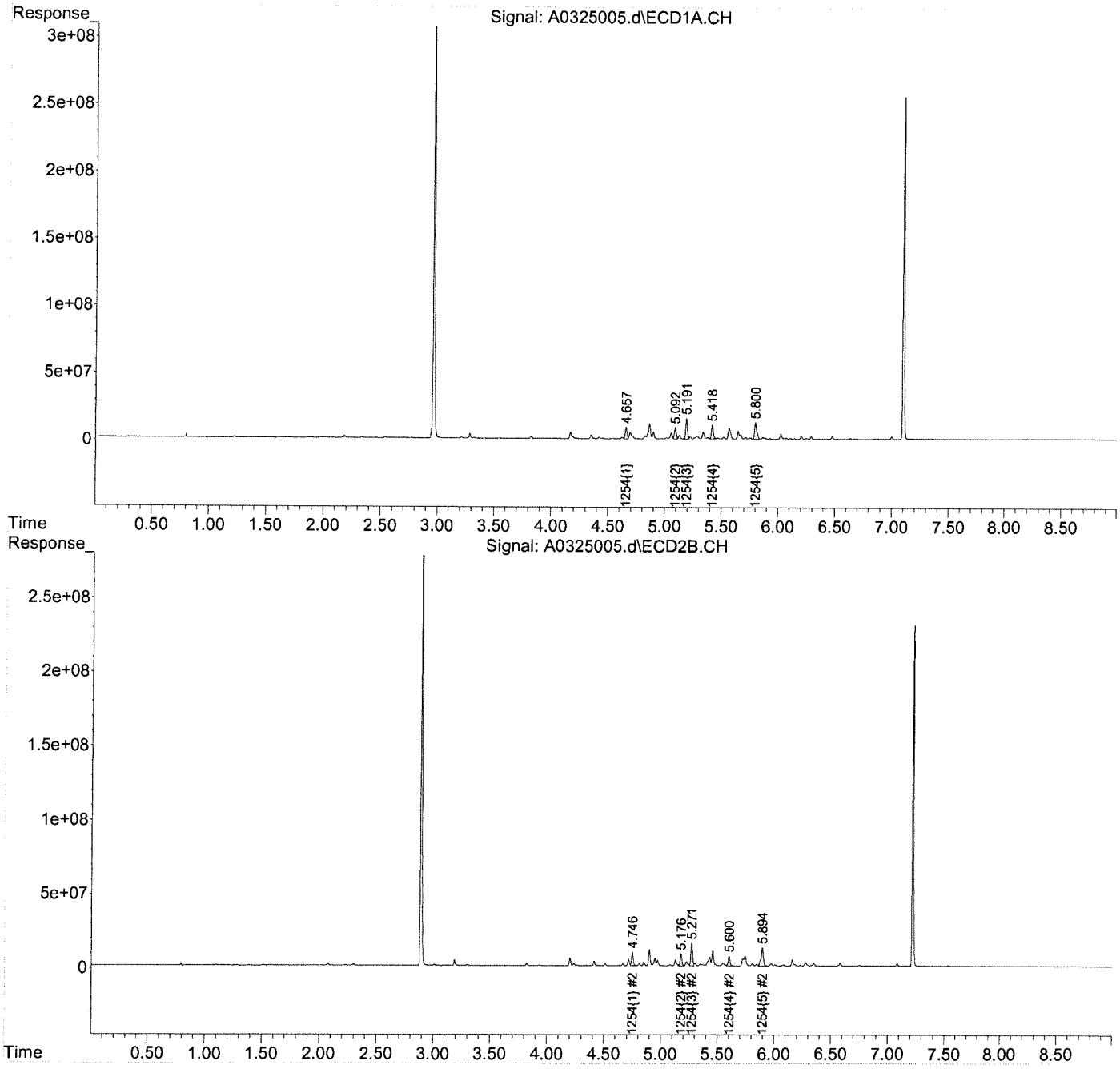


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325005.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 8:28 am
Operator : JMB
Sample : 1254 100 2010265 Inst : ECD1
Misc : mix[16]
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 08:59:31 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

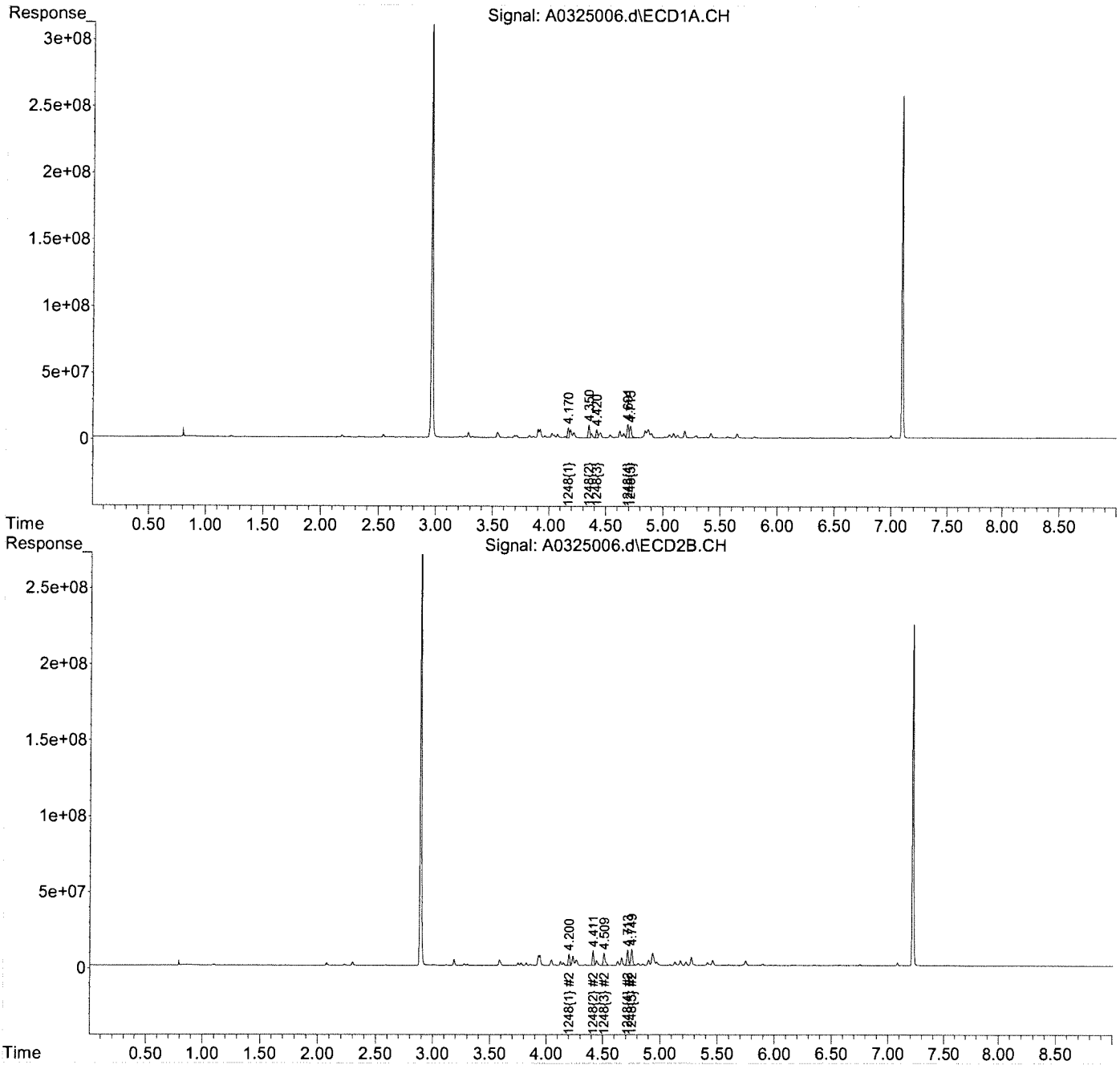


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325006.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 8:41 am
Operator : JMB
Sample : 1248 100 2010210 Inst : ECD1
Misc : mix[15]
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 08:59:35 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

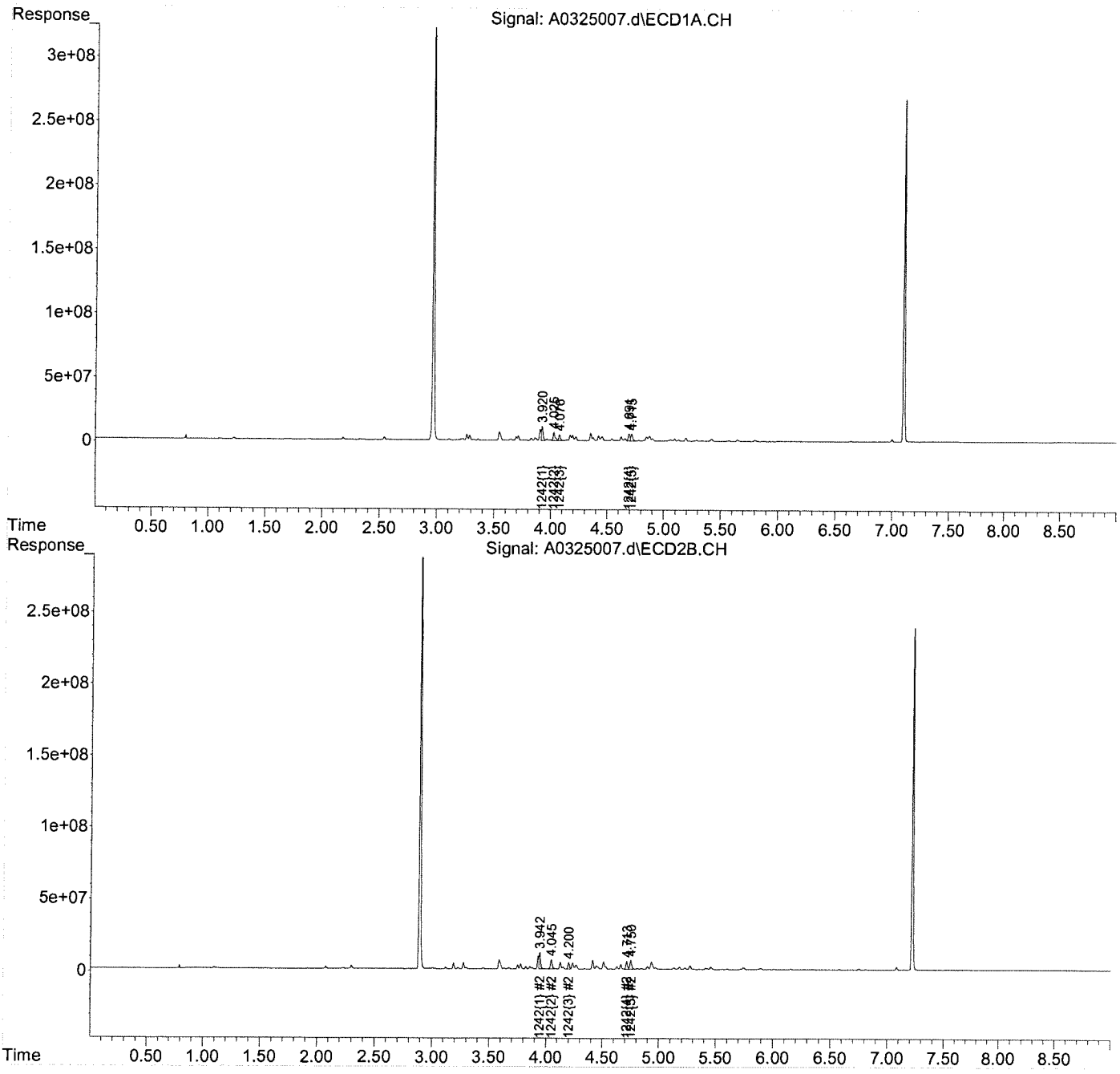


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325007.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 8:54 am
Operator : JMB
Sample : 1242 100 2009334 Inst : ECD1
Misc : mix[14]
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 09:04:34 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

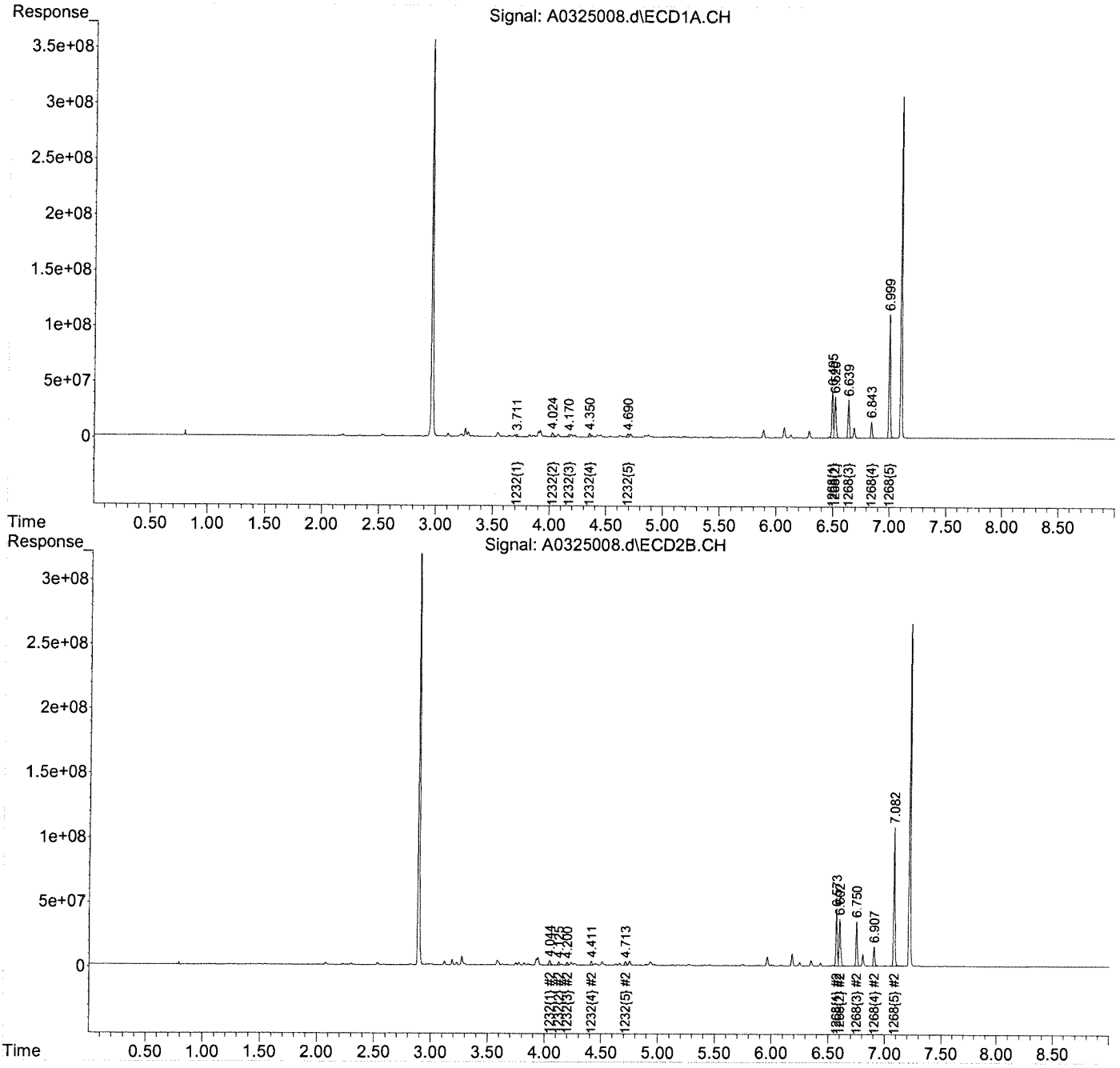


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325008.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 9:07 am
Operator : JMB
Sample : 1232/1268 100 2012310 Inst : ECD1
Misc : mix[13,19]
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 09:51:12 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

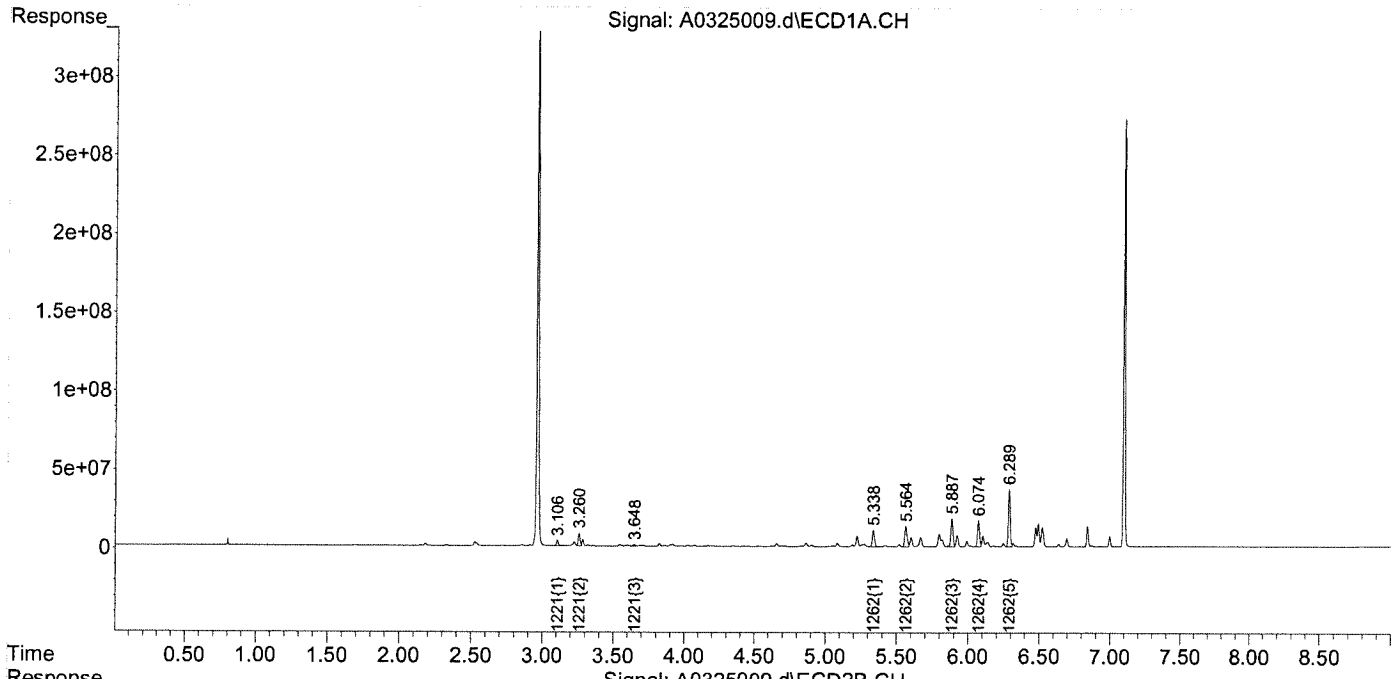


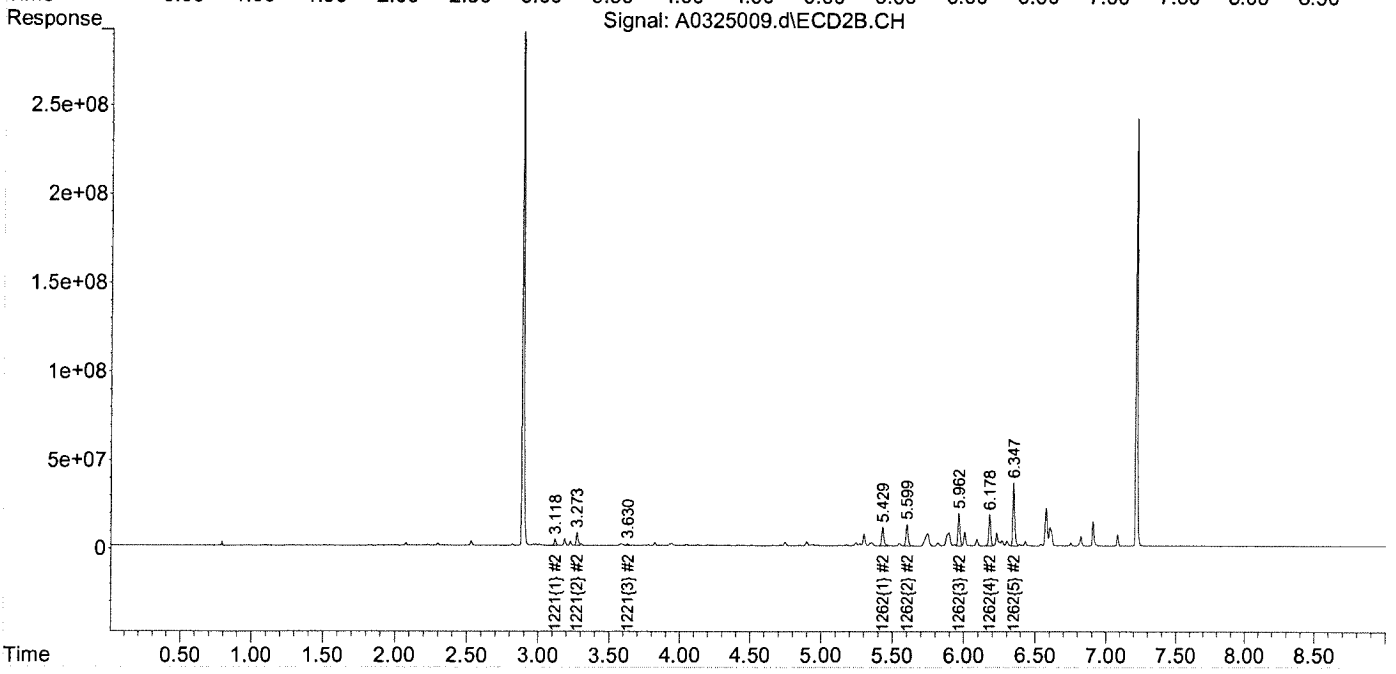
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325009.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 9:20 am
Operator : JMB
Sample : 1221/1262 100 2012379 Inst : ECD1
Misc : mix[12,18]
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 09:51:17 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



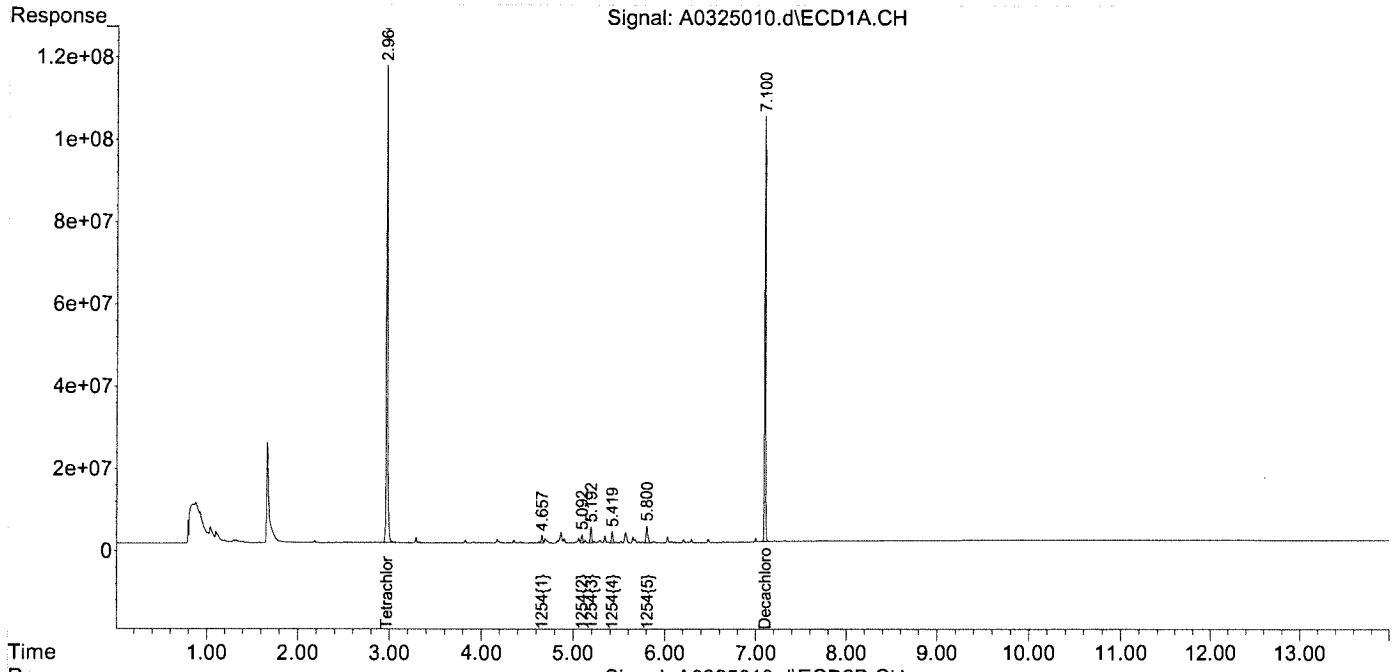


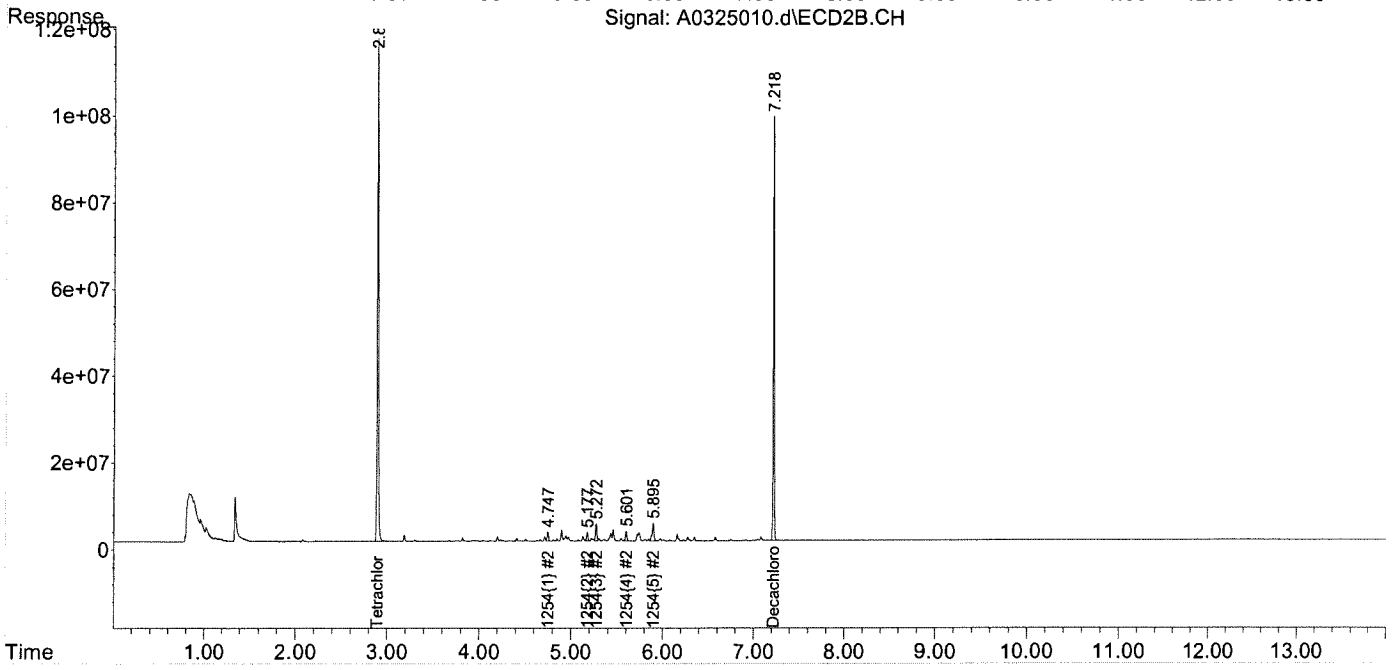
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325010.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 9:33 am
Operator : JMB
Sample : 21C0875-02@5X TBA Inst : ECD1
Misc :
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:12:58 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



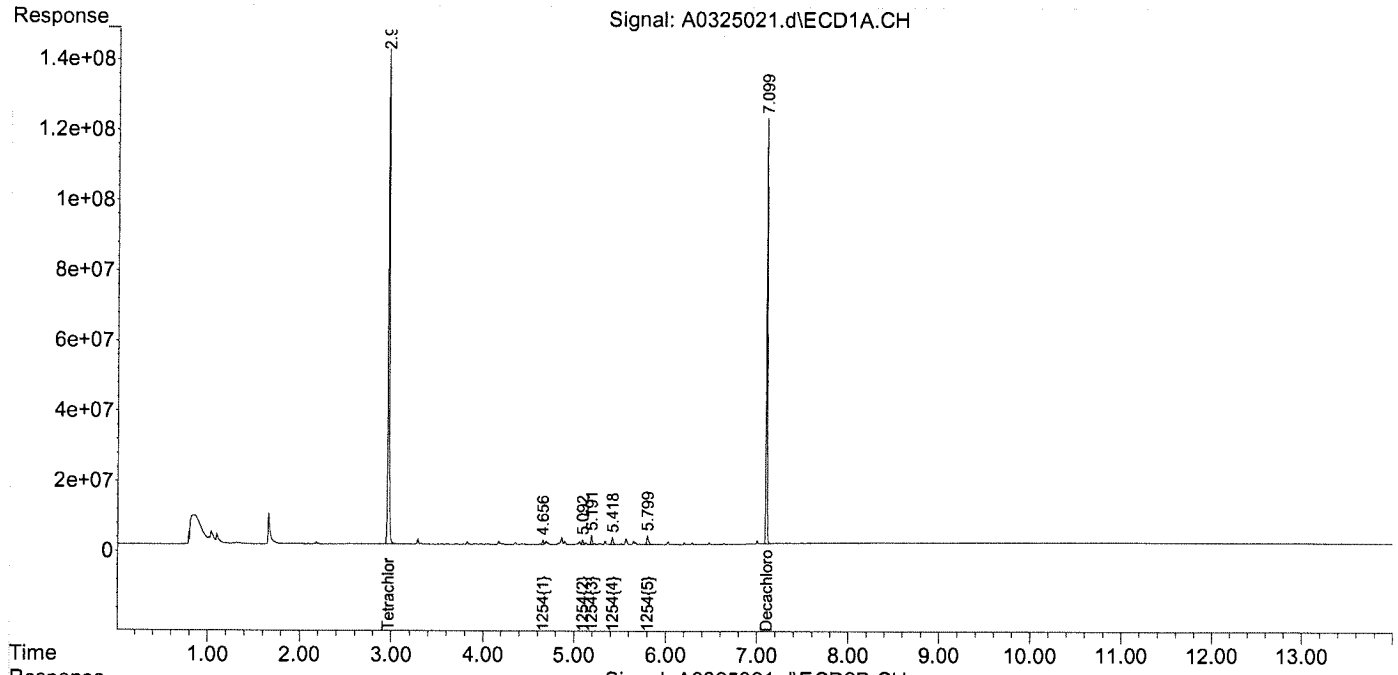


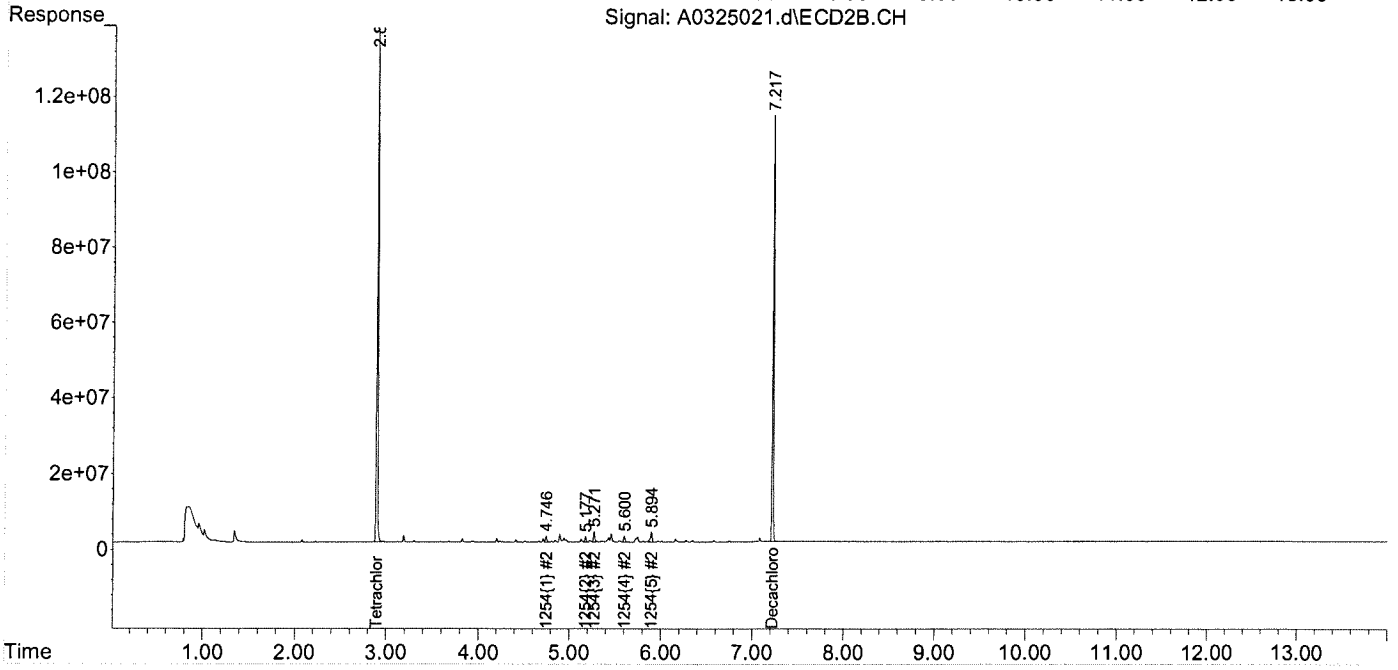
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325021.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 12:35 pm
Operator : JMB
Sample : 21C0875-03@5X TBA Inst : ECD1
Misc :
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:23:15 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



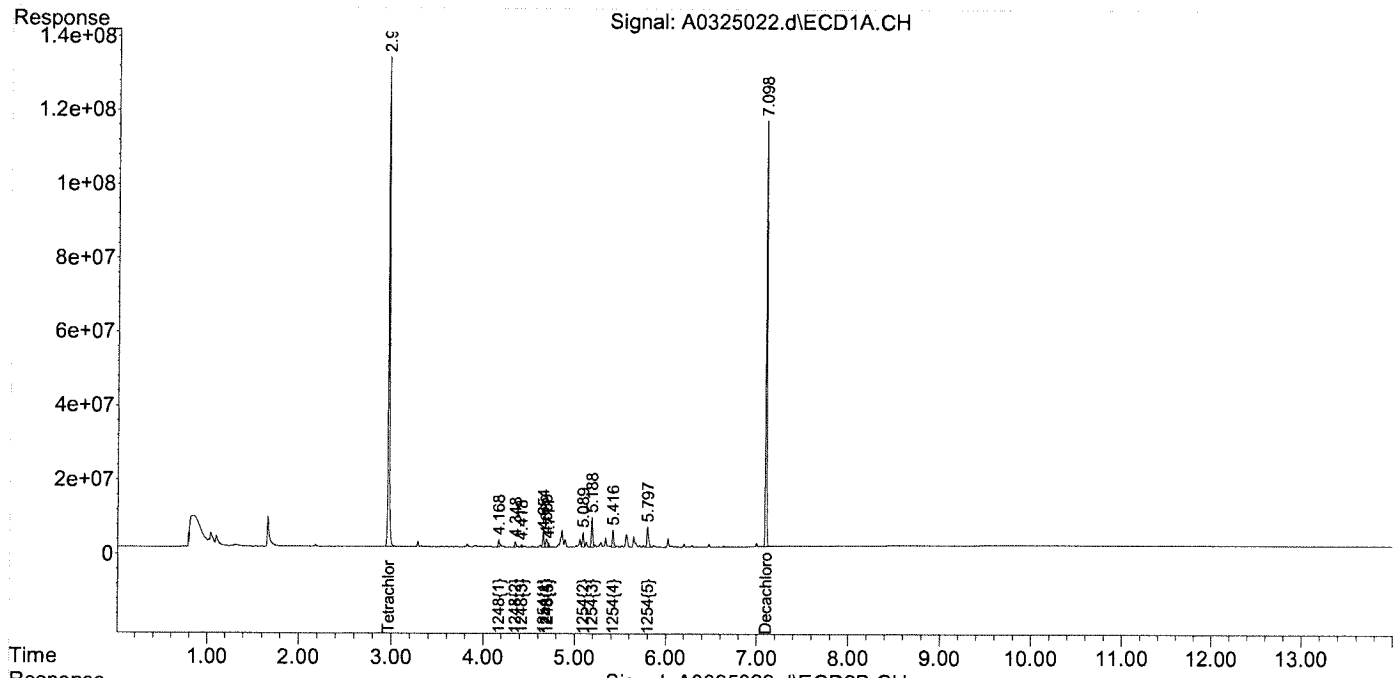


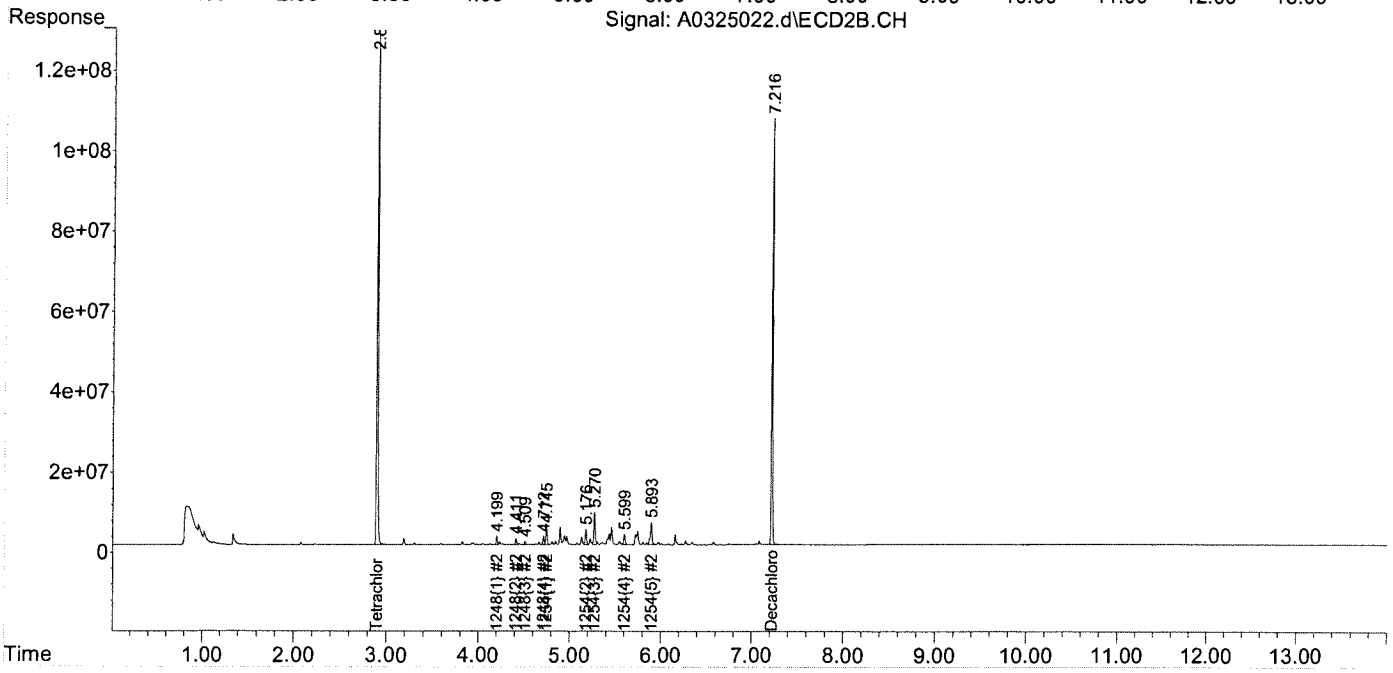
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325022.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 12:53 pm
Operator : JMB
Sample : 21C0875-04@5X TBA Inst : ECD1
Misc :
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:23:56 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



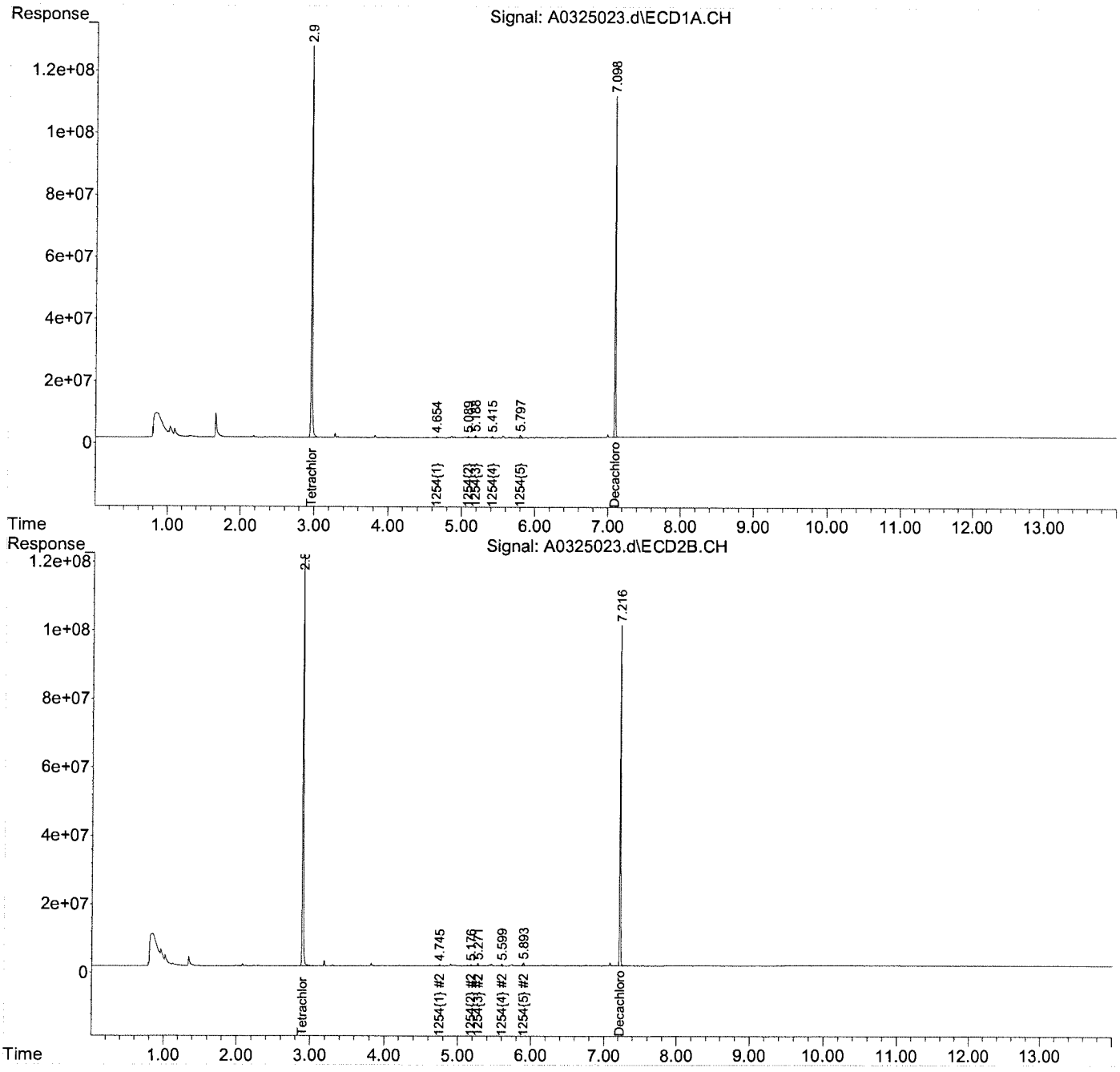


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325023.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 13:11 pm
Operator : JMB
Sample : 21C0875-05@5X TBA Inst : ECD1
Misc :
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:25:35 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

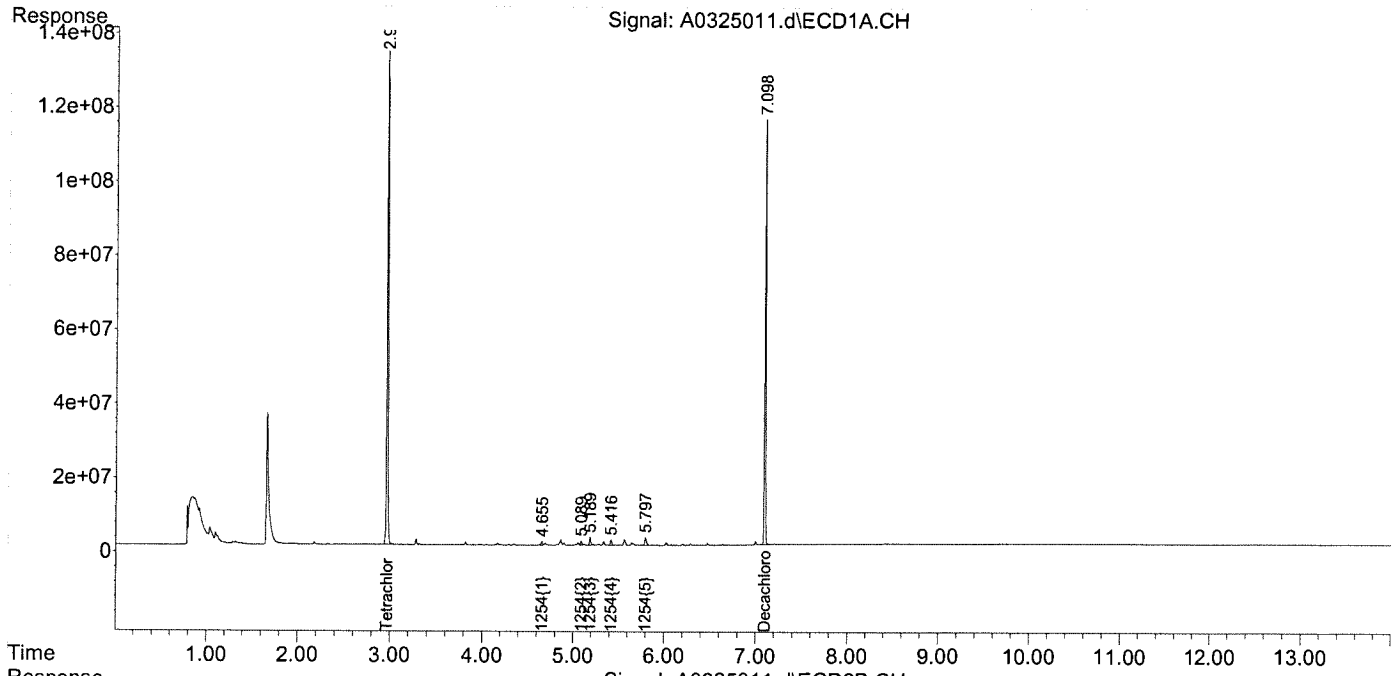


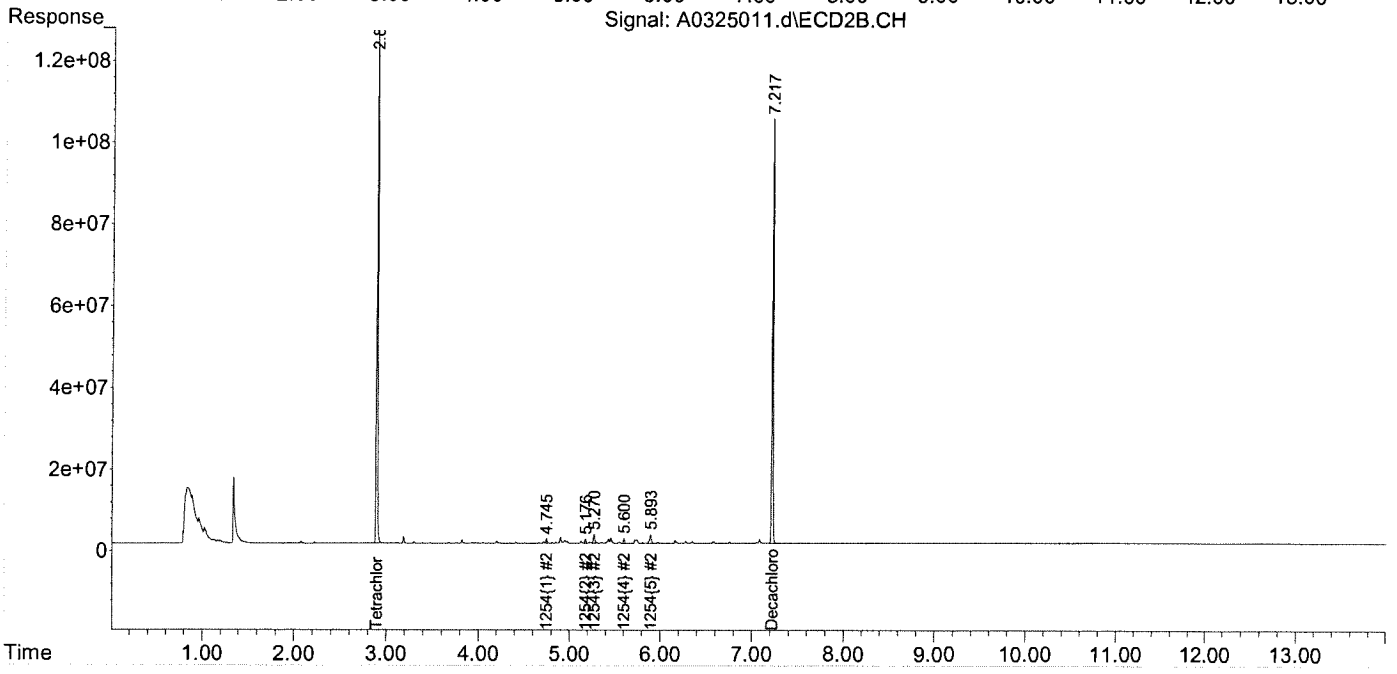
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325011.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 9:51 am
Operator : JMB
Sample : 21C0875-07@5X TBA Inst : ECD1
Misc :
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:13:37 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



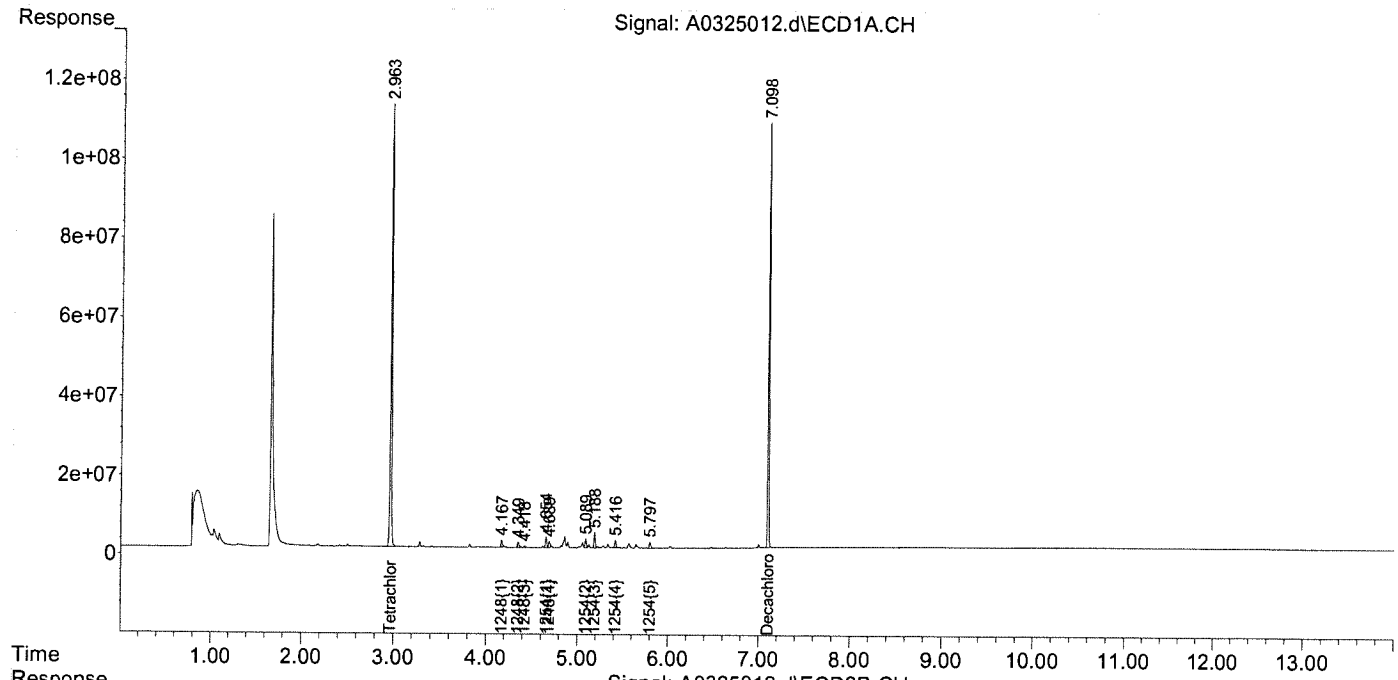


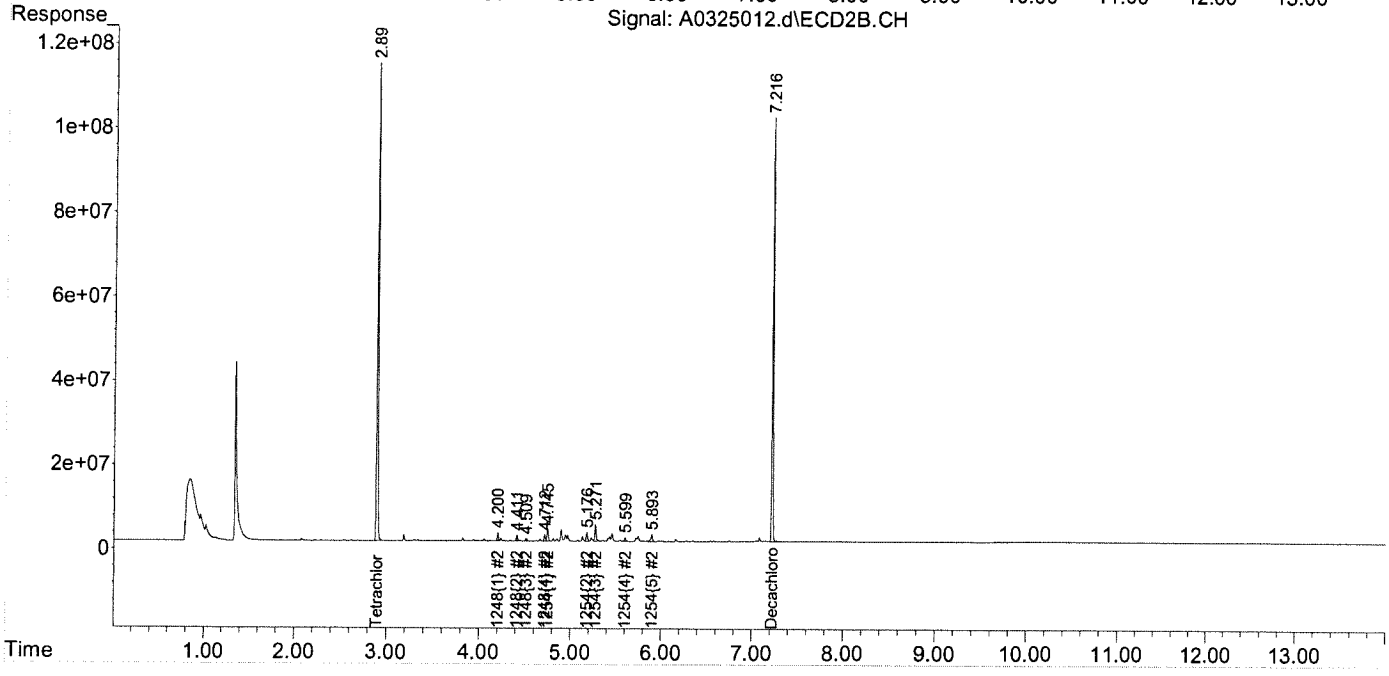
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325012.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 10:09 am
Operator : JMB
Sample : 21C0875-09@5X TBA Inst : ECD1
Misc :
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:15:13 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



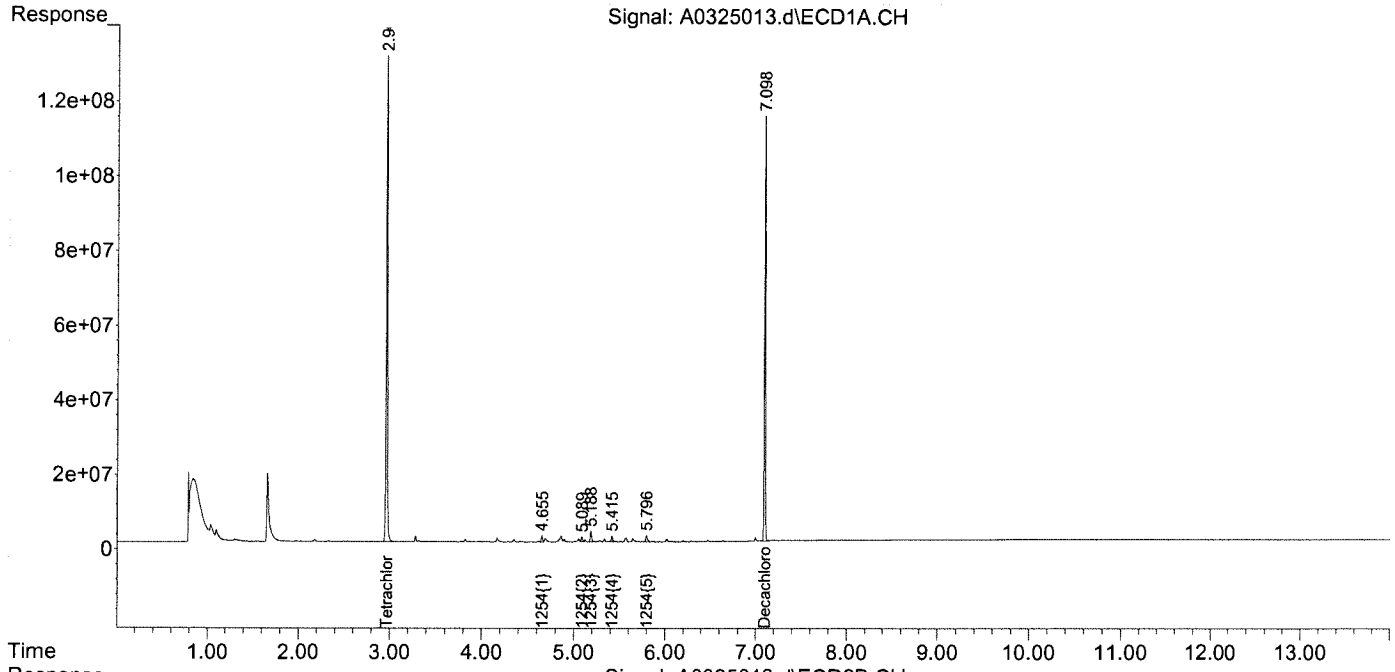


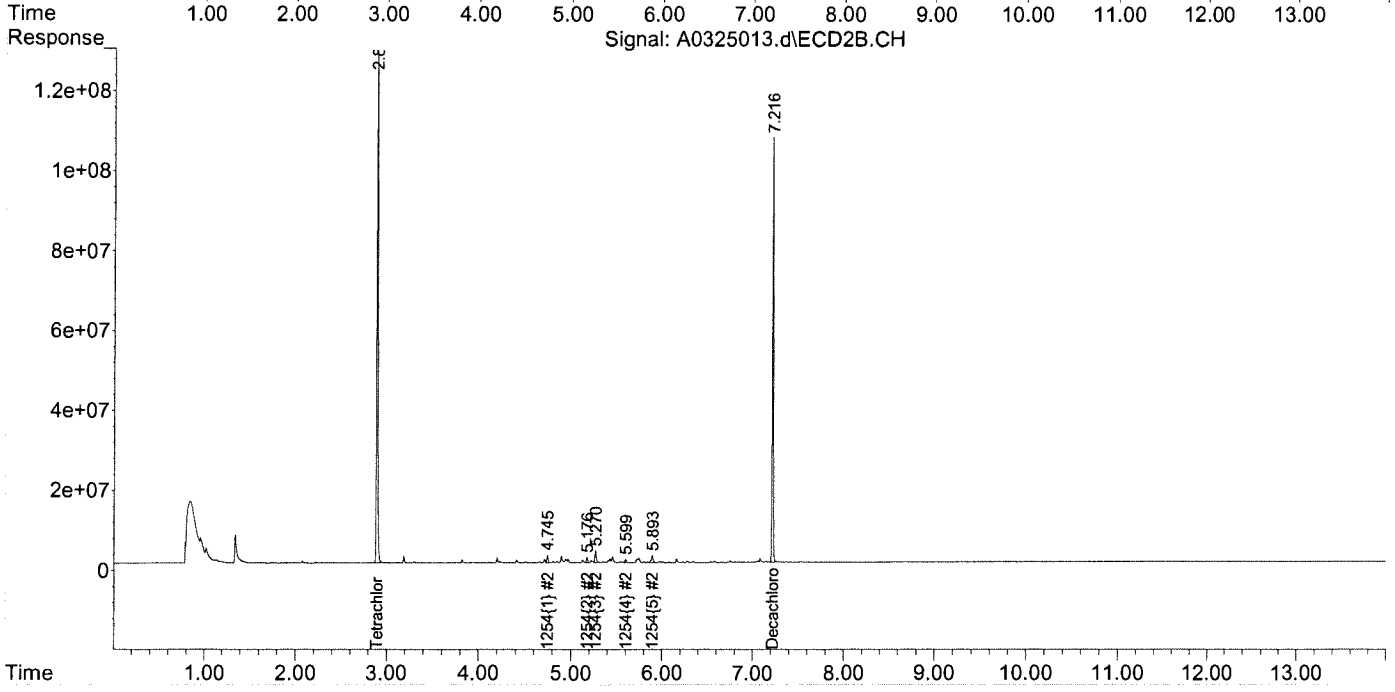
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325013.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 10:27 am
Operator : JMB
Sample : 21C0875-11@5X TBA Inst : ECD1
Misc :
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:20:02 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



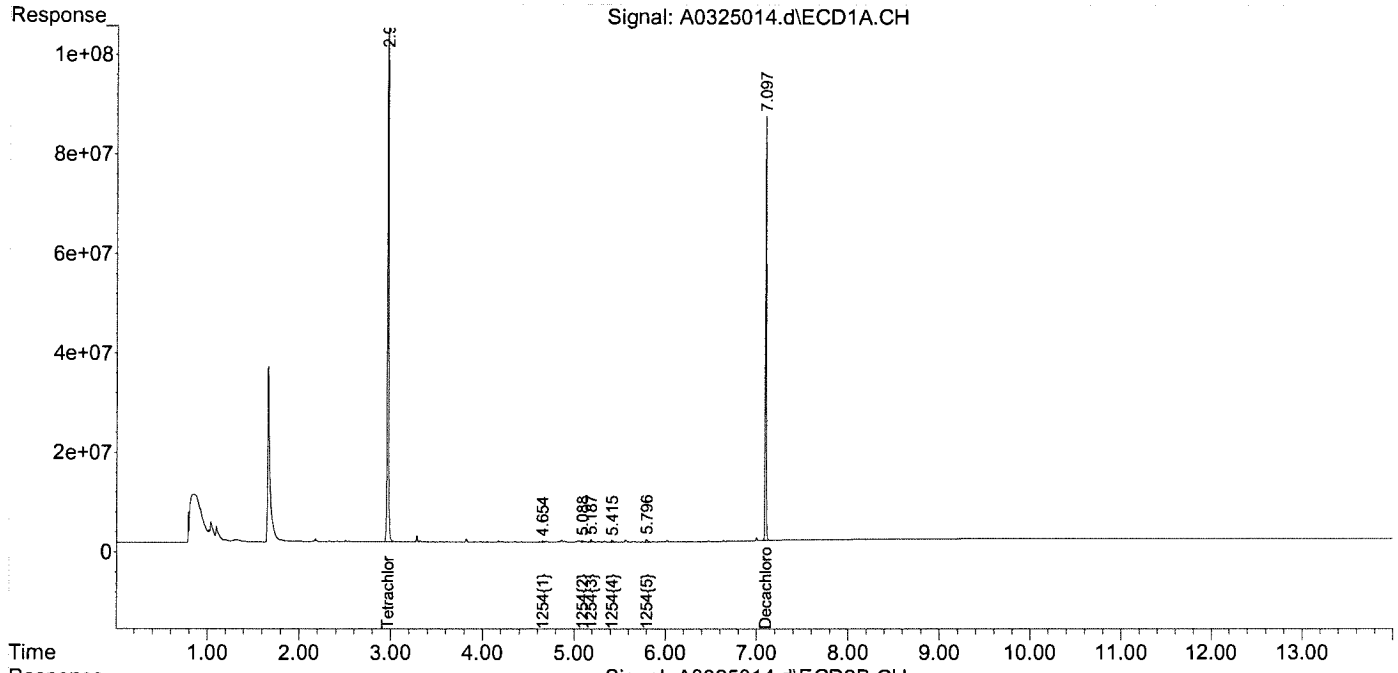


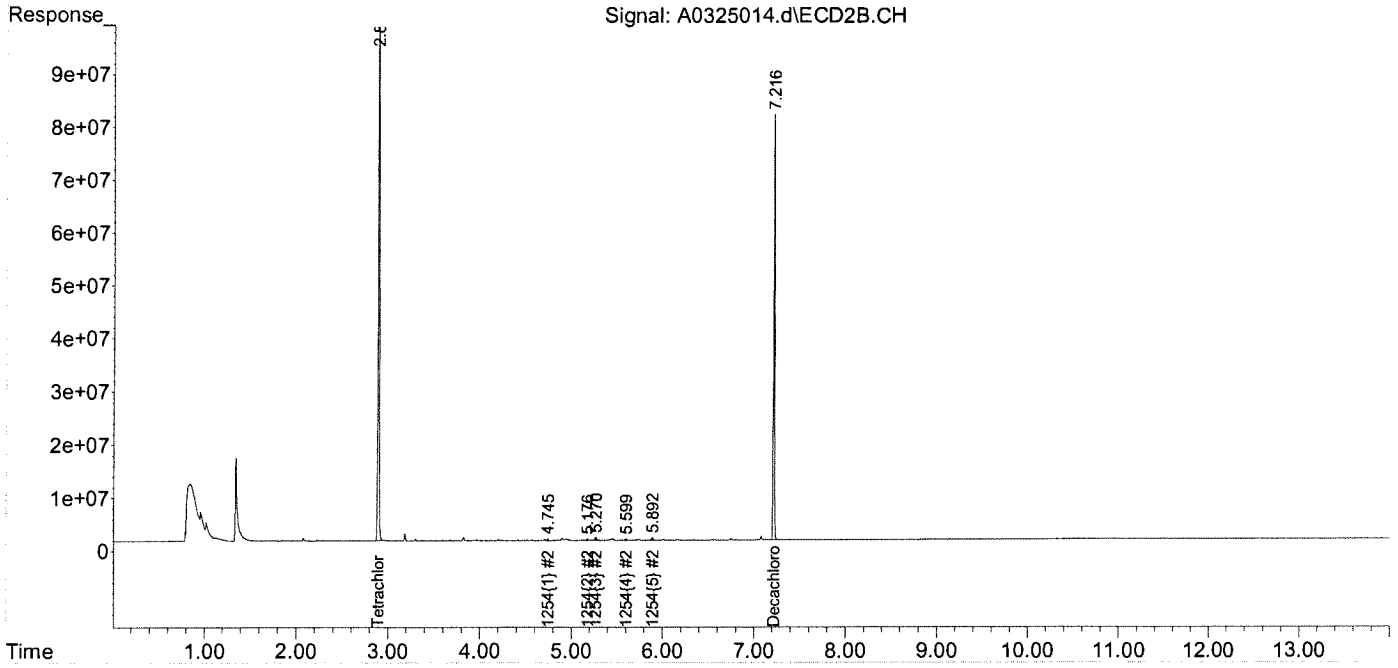
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325014.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 10:44 am
Operator : JMB
Sample : 21C0875-12@5X TBA Inst : ECD1
Misc :
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:20:45 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



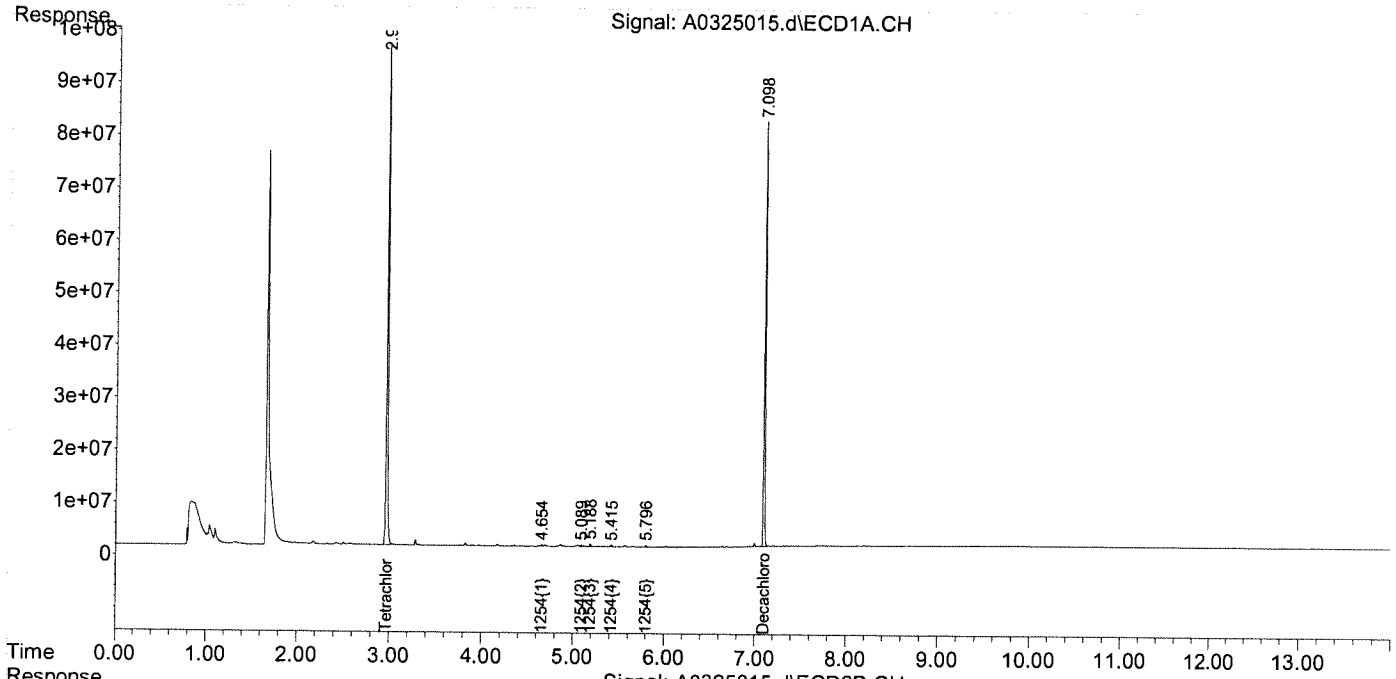


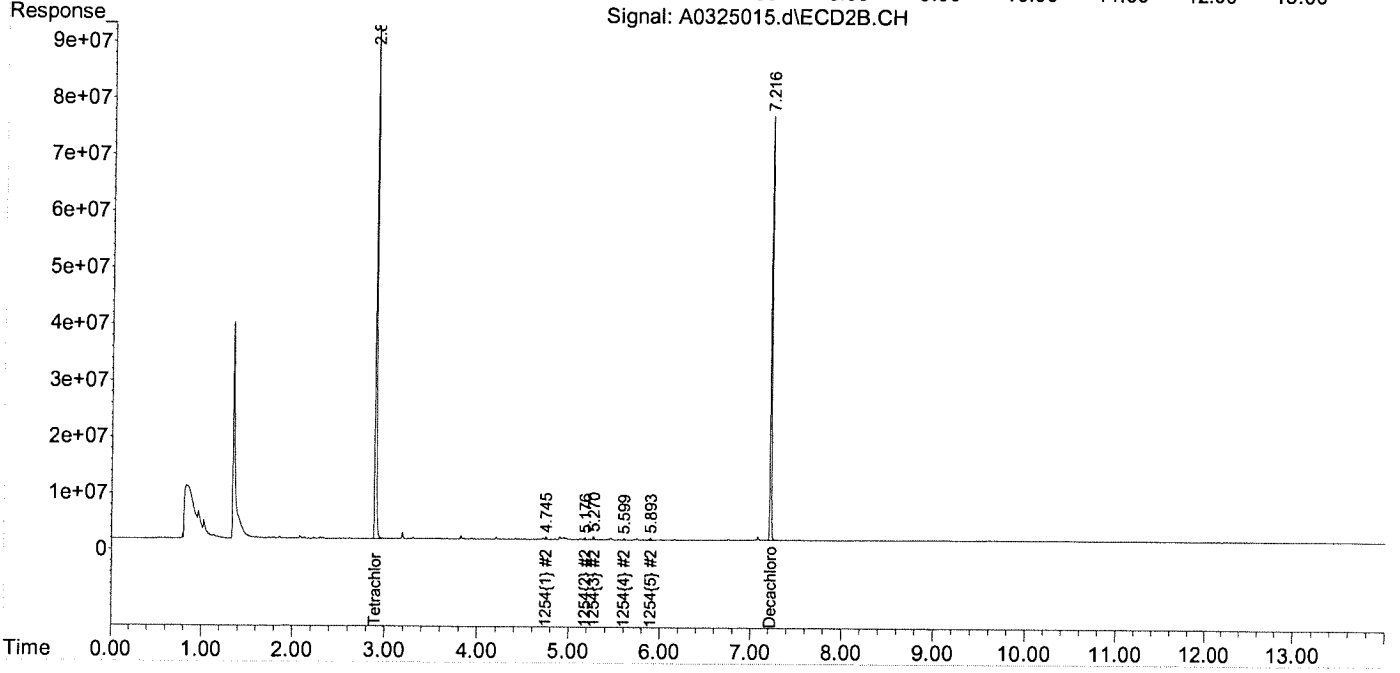
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325015.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 11:02 am
Operator : JMB
Sample : 21C0875-16@5X TBA Inst : ECD1
Misc :
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:21:15 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



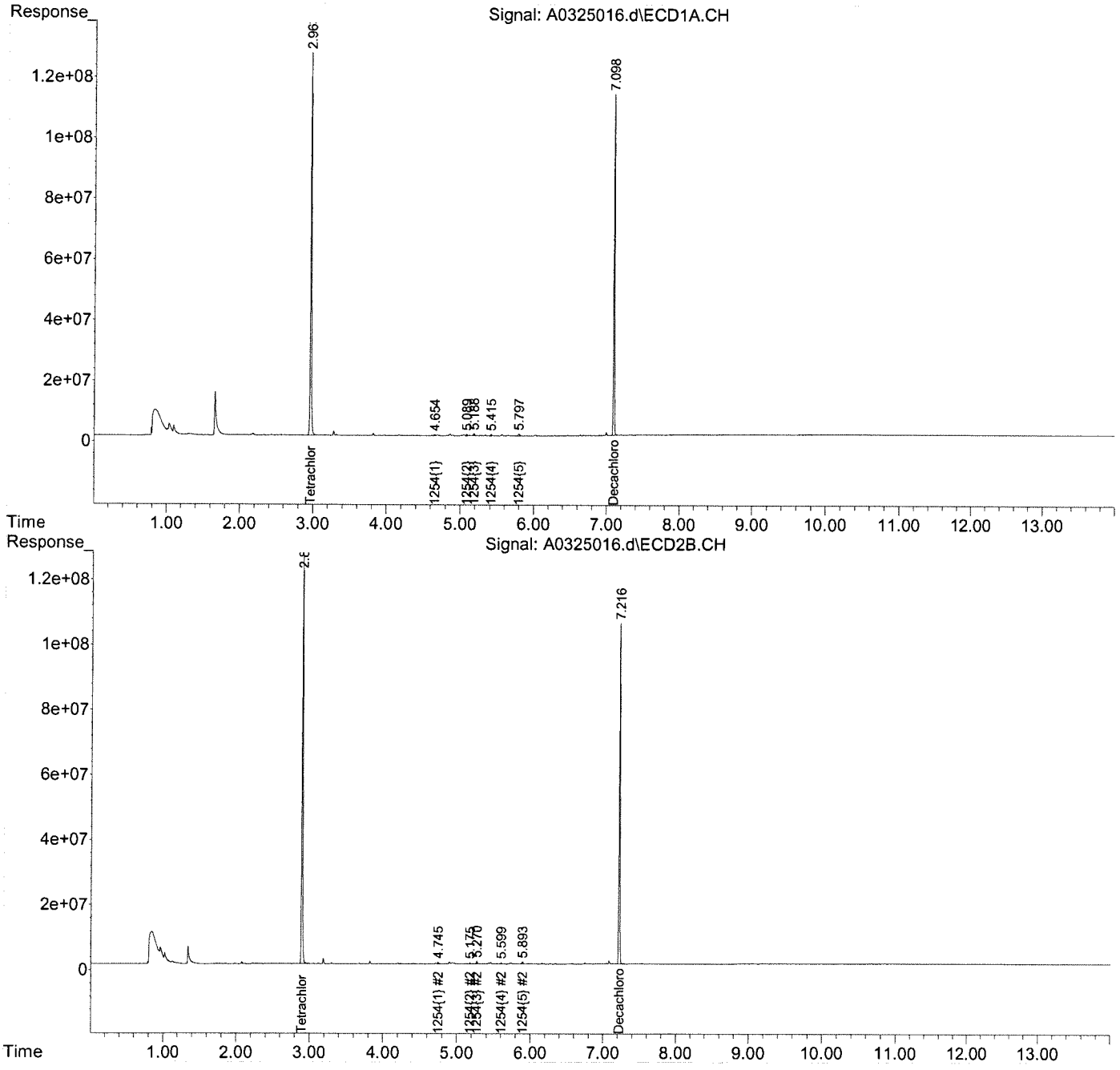


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325016.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 11:20 am
Operator : JMB
Sample : 21C0875-17@5X TBA Inst : ECD1
Misc :
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:21:44 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

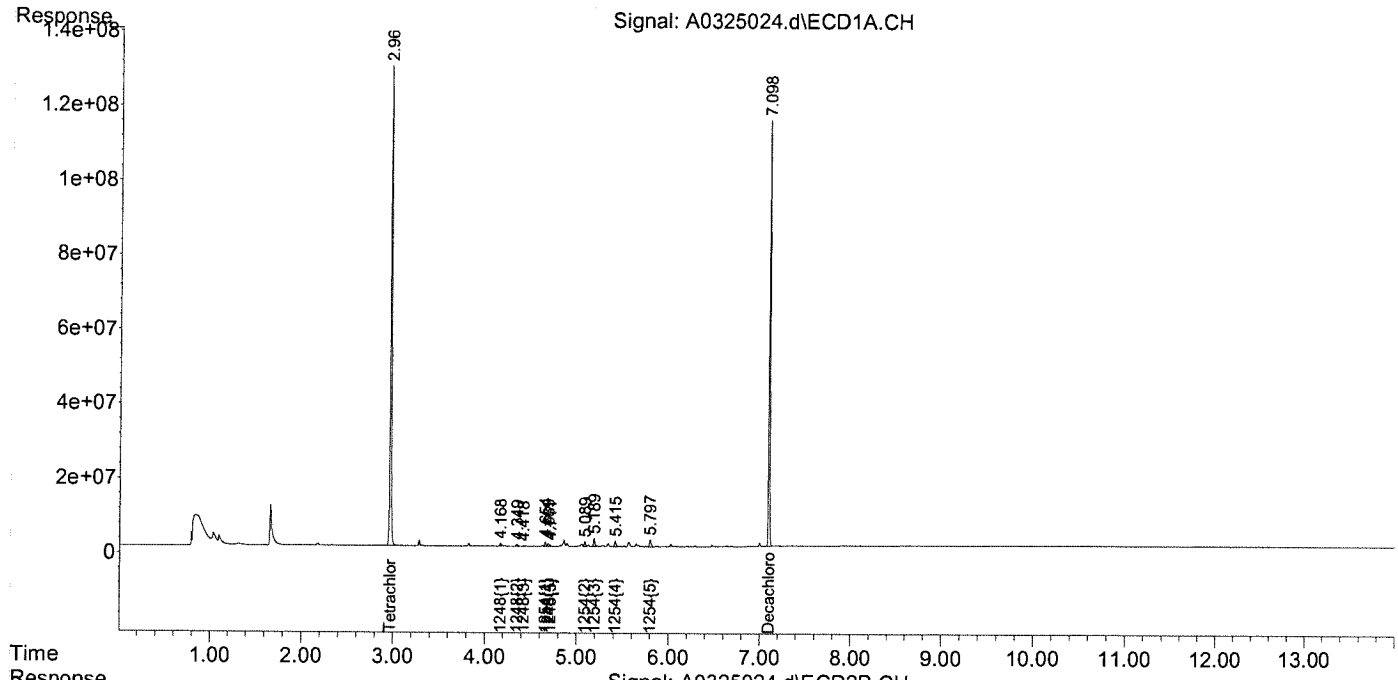


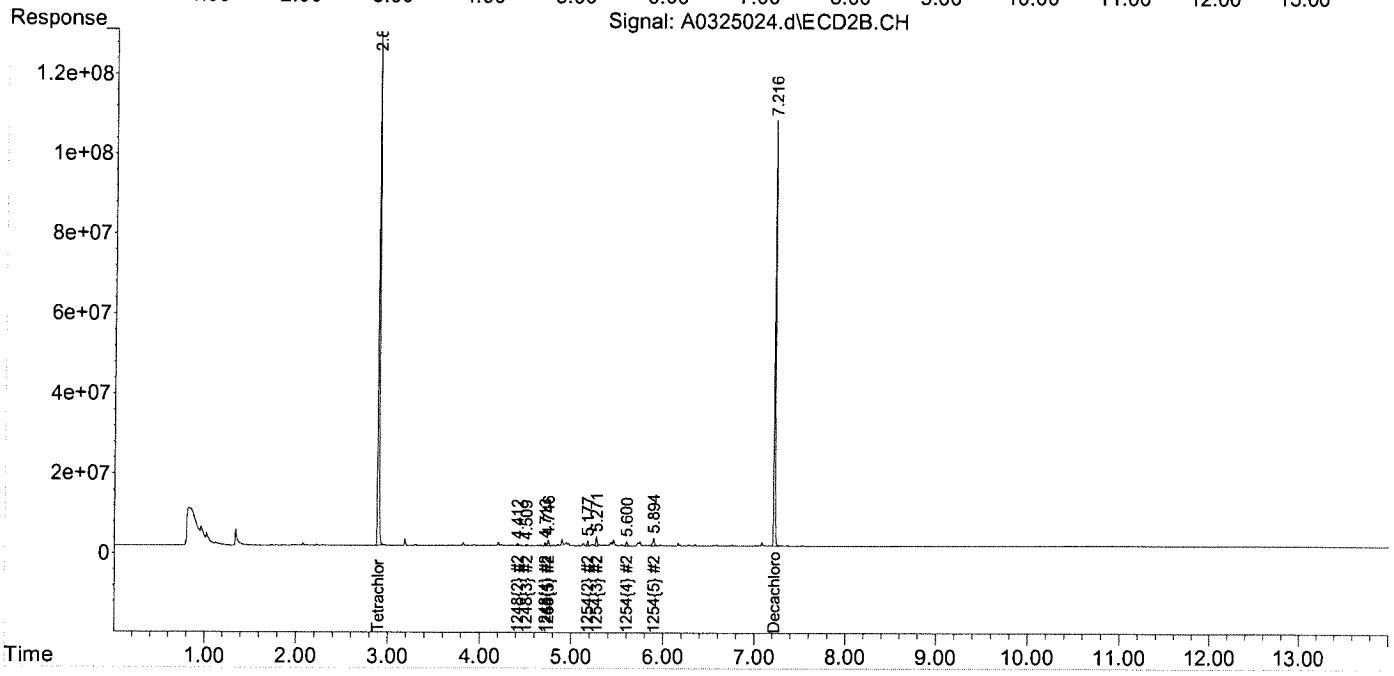
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\032521\
Data File : A0325024.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2021 13:29 pm
Operator : JMB
Sample : 21C0875-19@5X TBA Inst : ECD1
Misc :
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 25 13:44:29 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\1-PCB-032121C.M
Quant Title : 1260/1016-032121; 1254-032121; 1248-032121; 1242-032121; 1232/1268-032121; 1221/
QLast Update : Mon Mar 22 21:46:45 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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

March 22, 2021

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

Project Location: 52 Institue Rd, Burlington, VT
Client Job Number:
Project Number: 280BS01563 Phase 012
Laboratory Work Order Number: 21C0909

Enclosed are results of analyses for samples received by the laboratory on March 17, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michelle M. Koch
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: Jesse Stratton

REPORT DATE: 3/22/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Phase 012

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21C0909

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

PROJECT LOCATION: 52 Institue Rd, Burlington, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
210315.A68.124-1028	21C0909-01	Bulk		SW-846 8082A	
210315.A60.124-1030	21C0909-02	Bulk		SW-846 8082A	
210315.A43.124-1032	21C0909-03	Bulk		SW-846 8082A	
210315.A2012.124-1034	21C0909-04	Bulk		SW-846 8082A	
210315.A28.124-1036	21C0909-05	Bulk		SW-846 8082A	
210315.A109.124-1038	21C0909-06	Bulk		SW-846 8082A	
210315.A2010.124-1040	21C0909-07	Bulk		SW-846 8082A	
210315.A2008.124-1042	21C0909-08	Bulk		SW-846 8082A	
210315.A135.124-1044	21C0909-09	Bulk		SW-846 8082A	
210316.A30.125-1046	21C0909-10	Bulk		SW-846 8082A	
210316.A32.125-1048	21C0909-11	Bulk		SW-846 8082A	
210316.A100.125-1050	21C0909-12	Bulk		SW-846 8082A	
210316.A142.125-1052	21C0909-13	Bulk		SW-846 8082A	
210316.A40.125-1053	21C0909-14	Bulk		SW-846 8082A	
210316.A138.125-1054	21C0909-15	Bulk		SW-846 8082A	
210316.A140.125-1056	21C0909-16	Bulk		SW-846 8082A	
210316.A2003.125-1058	21C0909-17	Bulk		SW-846 8082A	
210316.A33.125-1061	21C0909-18	Bulk		SW-846 8082A	
210316.A114.125-1063	21C0909-19	Bulk		SW-846 8082A	
210316.A112.125-1065	21C0909-20	Bulk		SW-846 8082A	
210316.A116.125-1069	21C0909-21	Bulk		SW-846 8082A	
210316.A2011.125-1071	21C0909-22	Bulk		SW-846 8082A	
210316.A144.125-1060	21C0909-23	Bulk		SW-846 8082A	

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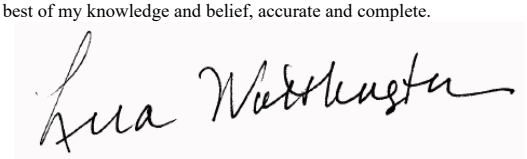
CASE NARRATIVE SUMMARY

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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Project Location: 52 Institue Rd, Burlington, VT | Sample Description: | Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A68.124-1028 | Sampled: 3/15/2021 10:24

Sample ID: 21C0909-01

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.9	30-150		3/19/21 15:03
Decachlorobiphenyl [2]	96.8	30-150		3/19/21 15:03
Tetrachloro-m-xylene [1]	79.8	30-150		3/19/21 15:03
Tetrachloro-m-xylene [2]	86.4	30-150		3/19/21 15:03

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A60.124-1030 Sampled: 3/15/2021 10:52

Sample ID: 21C0909-02

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1221 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1232 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1242 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1248 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1254 [2]	19	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1260 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1262 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1268 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	106	30-150		3/20/21	0:03
Decachlorobiphenyl [2]	107	30-150		3/20/21	0:03
Tetrachloro-m-xylene [1]	92.5	30-150		3/20/21	0:03
Tetrachloro-m-xylene [2]	96.8	30-150		3/20/21	0:03

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A43.124-1032 Sampled: 3/15/2021 11:21

Sample ID: 21C0909-03

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1221 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1232 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1242 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1248 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1254 [2]	9.6	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1260 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1262 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1268 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.2	30-150		3/20/21 0:16
Decachlorobiphenyl [2]	99.7	30-150		3/20/21 0:16
Tetrachloro-m-xylene [1]	90.2	30-150		3/20/21 0:16
Tetrachloro-m-xylene [2]	96.1	30-150		3/20/21 0:16

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A2012.124-1034 Sampled: 3/15/2021 11:42

Sample ID: 21C0909-04

Sample Matrix: Bulk

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	3/18/21	3/20/21 0:28	JMB
Aroclor-1221 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB
Aroclor-1232 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB
Aroclor-1242 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB
Aroclor-1248 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB
Aroclor-1254 [2]	22	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB
Aroclor-1260 [1]	2.9	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB
Aroclor-1262 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB
Aroclor-1268 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	102	30-150		3/20/21	0:28
Decachlorobiphenyl [2]	101	30-150		3/20/21	0:28
Tetrachloro-m-xylene [1]	85.8	30-150		3/20/21	0:28
Tetrachloro-m-xylene [2]	90.6	30-150		3/20/21	0:28

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A28.124-1036 Sampled: 3/15/2021 13:23

Sample ID: 21C0909-05

Sample Matrix: Bulk

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	3/18/21	3/20/21 0:40	JMB
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB
Aroclor-1254 [2]	3.1	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	97.4	30-150		3/20/21	0:40
Decachlorobiphenyl [2]	99.2	30-150		3/20/21	0:40
Tetrachloro-m-xylene [1]	89.0	30-150		3/20/21	0:40
Tetrachloro-m-xylene [2]	93.5	30-150		3/20/21	0:40

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A109.124-1038 Sampled: 3/15/2021 14:38

Sample ID: 21C0909-06

Sample Matrix: Bulk

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	3/18/21	3/19/21 16:31	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB
Aroclor-1254 [1]	0.50	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.7	30-150		3/19/21 16:31
Decachlorobiphenyl [2]	91.2	30-150		3/19/21 16:31
Tetrachloro-m-xylene [1]	79.4	30-150		3/19/21 16:31
Tetrachloro-m-xylene [2]	84.1	30-150		3/19/21 16:31

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A2010.124-1040 Sampled: 3/15/2021 14:58

Sample ID: 21C0909-07

Sample Matrix: Bulk

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	3/18/21	3/20/21 0:53	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB
Aroclor-1254 [2]	3.3	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.2	30-150		3/20/21 0:53
Decachlorobiphenyl [2]	95.7	30-150		3/20/21 0:53
Tetrachloro-m-xylene [1]	85.7	30-150		3/20/21 0:53
Tetrachloro-m-xylene [2]	89.9	30-150		3/20/21 0:53

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A2008.124-1042 Sampled: 3/15/2021 15:18

Sample ID: 21C0909-08

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1254 [1]	0.62	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.6	30-150		3/19/21 17:05
Decachlorobiphenyl [2]	97.0	30-150		3/19/21 17:05
Tetrachloro-m-xylene [1]	84.1	30-150		3/19/21 17:05
Tetrachloro-m-xylene [2]	88.6	30-150		3/19/21 17:05

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A135.124-1044 Sampled: 3/15/2021 15:33

Sample ID: 21C0909-09

Sample Matrix: Bulk

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	3/18/21	3/19/21 17:23	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB
Aroclor-1254 [2]	1.6	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.2	30-150		3/19/21 17:23
Decachlorobiphenyl [2]	103	30-150		3/19/21 17:23
Tetrachloro-m-xylene [1]	86.6	30-150		3/19/21 17:23
Tetrachloro-m-xylene [2]	90.7	30-150		3/19/21 17:23

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Project Location: 52 Institue Rd, Burlington, VT | Sample Description: | Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A30.125-1046 | Sampled: 3/15/2021 08:29

Sample ID: 21C0909-10

Sample Matrix: Bulk

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	3/18/21	3/19/21 17:40	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.6	30-150		3/19/21 17:40
Decachlorobiphenyl [2]	99.9	30-150		3/19/21 17:40
Tetrachloro-m-xylene [1]	81.8	30-150		3/19/21 17:40
Tetrachloro-m-xylene [2]	86.1	30-150		3/19/21 17:40

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A32.125-1048 Sampled: 3/16/2021 08:36

Sample ID: 21C0909-11

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1221 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1232 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1242 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1248 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1254 [2]	8.9	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1260 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1262 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1268 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	98.2	30-150		3/20/21	1:05
Decachlorobiphenyl [2]	99.6	30-150		3/20/21	1:05
Tetrachloro-m-xylene [1]	92.7	30-150		3/20/21	1:05
Tetrachloro-m-xylene [2]	98.8	30-150		3/20/21	1:05

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A100.125-1050 Sampled: 3/16/2021 08:53

Sample ID: 21C0909-12

Sample Matrix: Bulk

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	3/18/21	3/19/21 20:22	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB
Aroclor-1254 [2]	1.4	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		3/19/21 20:22
Decachlorobiphenyl [2]	108	30-150		3/19/21 20:22
Tetrachloro-m-xylene [1]	85.8	30-150		3/19/21 20:22
Tetrachloro-m-xylene [2]	90.7	30-150		3/19/21 20:22

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A142.125-1052 Sampled: 3/16/2021 09:15

Sample ID: 21C0909-13

Sample Matrix: Bulk

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	3/18/21	3/19/21 20:39	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB
Aroclor-1248 [2]	0.44	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB
Aroclor-1254 [2]	1.2	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.5	30-150		3/19/21 20:39
Decachlorobiphenyl [2]	104	30-150		3/19/21 20:39
Tetrachloro-m-xylene [1]	83.0	30-150		3/19/21 20:39
Tetrachloro-m-xylene [2]	87.4	30-150		3/19/21 20:39

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A40.125-1053 Sampled: 3/16/2021 09:18

Sample ID: 21C0909-14

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1248 [2]	1.1	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1254 [2]	2.8	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		3/20/21 2:21
Decachlorobiphenyl [2]	104	30-150		3/20/21 2:21
Tetrachloro-m-xylene [1]	83.5	30-150		3/20/21 2:21
Tetrachloro-m-xylene [2]	87.5	30-150		3/20/21 2:21

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A138.125-1054 Sampled: 3/16/2021 09:22

Sample ID: 21C0909-15

Sample Matrix: Bulk

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	3/18/21	3/19/21 21:14	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB
Aroclor-1248 [2]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB
Aroclor-1254 [1]	0.25	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.2	30-150		3/19/21 21:14
Decachlorobiphenyl [2]	105	30-150		3/19/21 21:14
Tetrachloro-m-xylene [1]	83.5	30-150		3/19/21 21:14
Tetrachloro-m-xylene [2]	88.7	30-150		3/19/21 21:14

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A140.125-1056 Sampled: 3/16/2021 09:43

Sample ID: 21C0909-16

Sample Matrix: Bulk

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	3/18/21	3/19/21 21:32	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.6	30-150		3/19/21 21:32
Decachlorobiphenyl [2]	99.5	30-150		3/19/21 21:32
Tetrachloro-m-xylene [1]	86.3	30-150		3/19/21 21:32
Tetrachloro-m-xylene [2]	90.3	30-150		3/19/21 21:32

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A2003.125-1058 Sampled: 3/16/2021 10:11

Sample ID: 21C0909-17

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1254 [2]	0.95	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1268 [2]	0.12	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	100	30-150		3/19/21 21:49
Decachlorobiphenyl [2]	103	30-150		3/19/21 21:49
Tetrachloro-m-xylene [1]	91.3	30-150		3/19/21 21:49
Tetrachloro-m-xylene [2]	92.7	30-150		3/19/21 21:49

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A33.125-1061 Sampled: 3/16/2021 12:03

Sample ID: 21C0909-18

Sample Matrix: Bulk

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	3/18/21	3/19/21 22:06	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB
Aroclor-1248 [2]	0.81	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB
Aroclor-1254 [2]	2.3	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB
Aroclor-1260 [2]	0.19	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.8	30-150		3/19/21 22:06
Decachlorobiphenyl [2]	101	30-150		3/19/21 22:06
Tetrachloro-m-xylene [1]	89.5	30-150		3/19/21 22:06
Tetrachloro-m-xylene [2]	91.4	30-150		3/19/21 22:06

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A114.125-1063 Sampled: 3/16/2021 12:38

Sample ID: 21C0909-19

Sample Matrix: Bulk

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	3/18/21	3/20/21 2:38	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB
Aroclor-1254 [2]	4.4	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.8	30-150		3/20/21 2:38
Decachlorobiphenyl [2]	96.9	30-150		3/20/21 2:38
Tetrachloro-m-xylene [1]	83.2	30-150		3/20/21 2:38
Tetrachloro-m-xylene [2]	87.6	30-150		3/20/21 2:38

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A112.125-1065 Sampled: 3/16/2021 12:49

Sample ID: 21C0909-20

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1254 [1]	1.2	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.1	30-150		3/19/21 22:41
Decachlorobiphenyl [2]	102	30-150		3/19/21 22:41
Tetrachloro-m-xylene [1]	86.5	30-150		3/19/21 22:41
Tetrachloro-m-xylene [2]	88.1	30-150		3/19/21 22:41

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Project Location: 52 Institue Rd, Burlington, VT | Sample Description: | Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A116.125-1069 | Sampled: 3/16/2021 13:16

Sample ID: 21C0909-21

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1248 [2]	0.44	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1254 [2]	1.1	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.7	30-150		3/19/21 20:25
Decachlorobiphenyl [2]	84.3	30-150		3/19/21 20:25
Tetrachloro-m-xylene [1]	74.1	30-150		3/19/21 20:25
Tetrachloro-m-xylene [2]	72.3	30-150		3/19/21 20:25

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A2011.125-1071 Sampled: 3/16/2021 13:36

Sample ID: 21C0909-22

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1248 [2]	0.24	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1254 [1]	0.24	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.5	30-150		3/19/21 20:43
Decachlorobiphenyl [2]	94.7	30-150		3/19/21 20:43
Tetrachloro-m-xylene [1]	83.9	30-150		3/19/21 20:43
Tetrachloro-m-xylene [2]	79.6	30-150		3/19/21 20:43

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Project Location: 52 Institue Rd, Burlington, VT | Sample Description: | Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A144.125-1060 | Sampled: 3/16/2021 10:58

Sample ID: 21C0909-23

Sample Matrix: Bulk

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	3/18/21	3/19/21 21:00	PJG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG
Aroclor-1248 [2]	0.19	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG
Aroclor-1254 [1]	0.22	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.2	30-150		3/19/21 21:00
Decachlorobiphenyl [2]	73.7	30-150		3/19/21 21:00
Tetrachloro-m-xylene [1]	60.8	30-150		3/19/21 21:00
Tetrachloro-m-xylene [2]	55.8	30-150		3/19/21 21:00

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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
21C0909-21 [210316.A116.125-1069]	B278260	2.10	10.0	03/18/21
21C0909-22 [210316.A2011.125-1071]	B278260	2.06	10.0	03/18/21
21C0909-23 [210316.A144.125-1060]	B278260	2.05	10.0	03/18/21

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21C0909-01 [210315.A68.124-1028]	B278261	2.09	10.0	03/18/21
21C0909-02 [210315.A60.124-1030]	B278261	2.07	10.0	03/18/21
21C0909-03 [210315.A43.124-1032]	B278261	2.09	10.0	03/18/21
21C0909-04 [210315.A2012.124-1034]	B278261	2.01	10.0	03/18/21
21C0909-05 [210315.A28.124-1036]	B278261	2.01	10.0	03/18/21
21C0909-06 [210315.A109.124-1038]	B278261	2.03	10.0	03/18/21
21C0909-07 [210315.A2010.124-1040]	B278261	2.06	10.0	03/18/21
21C0909-08 [210315.A2008.124-1042]	B278261	2.10	10.0	03/18/21
21C0909-09 [210315.A135.124-1044]	B278261	2.04	10.0	03/18/21
21C0909-10 [210316.A30.125-1046]	B278261	2.02	10.0	03/18/21
21C0909-11 [210316.A32.125-1048]	B278261	2.05	10.0	03/18/21
21C0909-12 [210316.A100.125-1050]	B278261	2.03	10.0	03/18/21
21C0909-13 [210316.A142.125-1052]	B278261	2.02	10.0	03/18/21
21C0909-14 [210316.A40.125-1053]	B278261	2.09	10.0	03/18/21
21C0909-15 [210316.A138.125-1054]	B278261	2.02	10.0	03/18/21
21C0909-16 [210316.A140.125-1056]	B278261	2.01	10.0	03/18/21
21C0909-17 [210316.A2003.125-1058]	B278261	2.05	10.0	03/18/21
21C0909-18 [210316.A33.125-1061]	B278261	2.01	10.0	03/18/21
21C0909-19 [210316.A114.125-1063]	B278261	2.06	10.0	03/18/21
21C0909-20 [210316.A112.125-1065]	B278261	2.06	10.0	03/18/21

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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 B278260 - SW-846 3540C										
Blank (B278260-BLK1)				Prepared: 03/18/21 Analyzed: 03/19/21						
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	*0.899*		mg/Kg	1.00		89.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.906*		mg/Kg	1.00		90.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.814*		mg/Kg	1.00		81.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.837*		mg/Kg	1.00		83.7	30-150			
LCS (B278260-BS1)				Prepared: 03/18/21 Analyzed: 03/19/21						
Aroclor-1016	0.85	0.10	mg/Kg	1.00		84.5	40-140			
Aroclor-1016 [2C]	0.76	0.10	mg/Kg	1.00		76.2	40-140			
Aroclor-1260	0.81	0.10	mg/Kg	1.00		80.6	40-140			
Aroclor-1260 [2C]	0.78	0.10	mg/Kg	1.00		77.5	40-140			
Surrogate: Decachlorobiphenyl	*0.936*		mg/Kg	1.00		93.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.943*		mg/Kg	1.00		94.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.844*		mg/Kg	1.00		84.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.830*		mg/Kg	1.00		83.0	30-150			
LCS Dup (B278260-BSD1)				Prepared: 03/18/21 Analyzed: 03/19/21						
Aroclor-1016	0.94	0.10	mg/Kg	1.00		93.9	40-140	10.5	30	
Aroclor-1016 [2C]	0.84	0.10	mg/Kg	1.00		84.1	40-140	9.82	30	
Aroclor-1260	0.88	0.10	mg/Kg	1.00		88.3	40-140	9.13	30	
Aroclor-1260 [2C]	0.83	0.10	mg/Kg	1.00		83.3	40-140	7.18	30	
Surrogate: Decachlorobiphenyl	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.991*		mg/Kg	1.00		99.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.952*		mg/Kg	1.00		95.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.943*		mg/Kg	1.00		94.3	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 B278261 - SW-846 3540C										
Blank (B278261-BLK1)				Prepared: 03/18/21 Analyzed: 03/19/21						
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	*0.895*		mg/Kg	1.00		89.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.992*		mg/Kg	1.00		99.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.732*		mg/Kg	1.00		73.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.802*		mg/Kg	1.00		80.2	30-150			
LCS (B278261-BS1)				Prepared: 03/18/21 Analyzed: 03/19/21						
Aroclor-1016	0.73	0.10	mg/Kg	1.00		72.7	40-140			
Aroclor-1016 [2C]	0.74	0.10	mg/Kg	1.00		73.8	40-140			
Aroclor-1260	0.72	0.10	mg/Kg	1.00		72.1	40-140			
Aroclor-1260 [2C]	0.75	0.10	mg/Kg	1.00		75.4	40-140			
Surrogate: Decachlorobiphenyl	*0.913*		mg/Kg	1.00		91.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.745*		mg/Kg	1.00		74.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.802*		mg/Kg	1.00		80.2	30-150			
LCS Dup (B278261-BSD1)				Prepared: 03/18/21 Analyzed: 03/19/21						
Aroclor-1016	0.72	0.10	mg/Kg	1.00		72.1	40-140	0.742	30	
Aroclor-1016 [2C]	0.73	0.10	mg/Kg	1.00		73.4	40-140	0.653	30	
Aroclor-1260	0.70	0.10	mg/Kg	1.00		70.1	40-140	2.85	30	
Aroclor-1260 [2C]	0.73	0.10	mg/Kg	1.00		72.7	40-140	3.60	30	
Surrogate: Decachlorobiphenyl	*0.870*		mg/Kg	1.00		87.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.954*		mg/Kg	1.00		95.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.754*		mg/Kg	1.00		75.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.828*		mg/Kg	1.00		82.8	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A60.124-1030

Lab Sample ID: 21C0909-02 Date(s) Analyzed: 03/20/2021 03/20/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	17	
	2	0.000	0.000	0.000	19	11.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A43.124-1032

Lab Sample ID: 21C0909-03 Date(s) Analyzed: 03/20/2021 03/20/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	9.0	
	2	0.000	0.000	0.000	9.6	6.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A2012.124-1034

Lab Sample ID: 21C0909-04 Date(s) Analyzed: 03/20/2021 03/20/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	20	
	2	0.000	0.000	0.000	22	9.5
Aroclor-1260	1	0.000	0.000	0.000	2.9	
	2	0.000	0.000	0.000	2.9	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A28.124-1036

Lab Sample ID: 21C0909-05 Date(s) Analyzed: 03/20/2021 03/20/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	3.0	
	2	0.000	0.000	0.000	3.1	3.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A109.124-1038

Lab Sample ID: 21C0909-06 Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	0.50	
	2	0.000	0.000	0.000	0.47	6.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A2010.124-1040

Lab Sample ID: 21C0909-07 Date(s) Analyzed: 03/20/2021 03/20/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	3.0	
	2	0.000	0.000	0.000	3.3	9.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A2008.124-1042

Lab Sample ID: 21C0909-08 Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	0.62	
	2	0.000	0.000	0.000	0.60	3.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A135.124-1044

Lab Sample ID: 21C0909-09 Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	1.6	
	2	0.000	0.000	0.000	1.6	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A32.125-1048

Lab Sample ID: 21C0909-11

Date(s) Analyzed: 03/20/2021 03/20/2021

Instrument ID (1): ECD 9

Instrument ID (2): ECD 9

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	8.8	
	2	0.000	0.000	0.000	8.9	1.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A100.125-1050

Lab Sample ID: 21C0909-12 Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	1.4	7.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A142.125-1052

Lab Sample ID: 21C0909-13 Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	0.39	
	2	0.000	0.000	0.000	0.44	12.0
Aroclor-1254	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

210316.A40.125-1053

Lab Sample ID: 21C0909-14 Date(s) Analyzed: 03/20/2021 03/20/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	0.95	
	2	0.000	0.000	0.000	1.1	14.6
Aroclor-1254	1	0.000	0.000	0.000	2.7	
	2	0.000	0.000	0.000	2.8	3.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A138.125-1054

Lab Sample ID: 21C0909-15 Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	0.25	
	2	0.000	0.000	0.000	0.24	4.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A2003.125-1058

Lab Sample ID: 21C0909-17 Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	0.93	
	2	0.000	0.000	0.000	0.95	2.1
Aroclor-1268	1	0.000	0.000	0.000	0.11	
	2	0.000	0.000	0.000	0.12	8.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A33.125-1061

Lab Sample ID: 21C0909-18 Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	0.67	
	2	0.000	0.000	0.000	0.81	18.9
Aroclor-1254	1	0.000	0.000	0.000	2.2	
	2	0.000	0.000	0.000	2.3	4.4
Aroclor-1260	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.19	30.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A114.125-1063

Lab Sample ID: 21C0909-19 Date(s) Analyzed: 03/20/2021 03/20/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	4.1	
	2	0.000	0.000	0.000	4.4	7.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A112.125-1065

Lab Sample ID: 21C0909-20 Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	1.2	
	2	0.000	0.000	0.000	1.2	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A116.125-1069

Lab Sample ID: 21C0909-21 Date(s) Analyzed: 03/19/2021 03/19/2021

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-1248	1	0.000	0.000	0.000	0.36	
	2	0.000	0.000	0.000	0.44	20.0
Aroclor-1254	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.1	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A2011.125-1071

Lab Sample ID: 21C0909-22 Date(s) Analyzed: 03/19/2021 03/19/2021

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-1248	1	0.000	0.000	0.000	0.21	
	2	0.000	0.000	0.000	0.24	8.7
Aroclor-1254	1	0.000	0.000	0.000	0.24	
	2	0.000	0.000	0.000	0.21	13.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A144.125-1060

Lab Sample ID: 21C0909-23 Date(s) Analyzed: 03/19/2021 03/19/2021

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-1248	1	0.000	0.000	0.000	0.18	
	2	0.000	0.000	0.000	0.19	5.4
Aroclor-1254	1	0.000	0.000	0.000	0.22	
	2	0.000	0.000	0.000	0.18	20.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B278260-BS1 Date(s) Analyzed: 03/19/2021 03/19/2021

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	0.85	
	2	0.000	0.000	0.000	0.76	11.2
Aroclor-1260	1	0.000	0.000	0.000	0.81	
	2	0.000	0.000	0.000	0.78	3.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B278260-BSD1 Date(s) Analyzed: 03/19/2021 03/19/2021

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	0.94	
	2	0.000	0.000	0.000	0.84	11.2
Aroclor-1260	1	0.000	0.000	0.000	0.88	
	2	0.000	0.000	0.000	0.83	5.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B278261-BS1 Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	0.73	
	2	0.000	0.000	0.000	0.74	1.4
Aroclor-1260	1	0.000	0.000	0.000	0.72	
	2	0.000	0.000	0.000	0.75	4.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B278261-BSD1 Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	0.72	
	2	0.000	0.000	0.000	0.73	1.4
Aroclor-1260	1	0.000	0.000	0.000	0.70	
	2	0.000	0.000	0.000	0.73	4.2

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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 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	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2021
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2021
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2021
FL	Florida Department of Health	E871027 NELAP	06/30/2021
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2021
ME	State of Maine	MA00100	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2021
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2021
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

21C0909

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: [redacted]
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980
Project Name: [redacted]
Project Location: 52 Institue Road, Burlington, Vermont
Project Number: 280BS01563 Phase 012
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: N. Amato, J. Adams, K. Paritz

Requested Turnaround Time
7-Day (5 Day) ☑ | 10-Day ☐
PFAS 10-Day (std) ☐ | Due Date:

Rush Approval Required
1-Day ☐ | 3-Day ☐
2-Day ☐ | 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

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 Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082									
1	210315.A68.124-1028	3/15/21	1024	Grab	O	U		1				✓	✓									
2	210315.A60.124-1030		1052	Grab	O	U		1				✓	✓									
3	210315.A43.124-1032		11:21	Grab	O	U		1				✓	✓									
4	210315.A2012.124-1034		11:42	Grab	O	U		1				✓	✓									
5	210315.A28.124-1036		13:23	Grab	O	U		1				✓	✓									
6	210315.A109.124-1038		14:38	Grab	O	U		1				✓	✓									
7	210315.A206.124-1040		14:58	Grab	O	U		1				✓	✓									
8	210315.A208.124-1042		15:18	Grab	O	U		1				✓	✓									
9	210315.A135.124-1044		15:33	Grab	O	U		1				✓	✓									
10	210316.A30.125-1046	3/16/21	08:29	Grab	O	U		1				✓	✓									

Relinquished by: (signature) | Date/Time: 3/16/21 1500
Received by: (signature) | Date/Time:
Relinquished by: (signature) | Date/Time:
Received by: (signature) | Date/Time:
Relinquished by: (signature) | Date/Time:
Received by: (signature) 3.1 | Date/Time: 3/17/21 1900
Relinquished by: (signature) | Date/Time:
Received by: (signature) | Date/Time:

Client Comments: 5 day turnaround time

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab 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.

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS 23
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)

Table of Contents

2100909

con-test ANALYTICAL LABORATORY

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Doc # 381 Rev 2_06262019

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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980

Project Name:
Project Location: 52 Institute Road, Burlington, Vermont
Project Number: 280BS01563 Phase 012
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: N. Amato, J. Adams, K. Paritz

Requested Turnaround Time
7-Day (5 Day) ☑ 10-Day ☐
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

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 Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
11	210316.A32.125-1048	3/16/21	08:36	Grab	O	U		1				✓	✓
12	210316.A100-125-1050		08:53	Grab	O	U		1				✓	✓
13	210316.A142.125-1052		09:15	Grab	O	U		1				✓	✓
14	210316.A40.125-1053		09:18	Grab	O	U		1				✓	✓
15	210316.A138.125-1054		09:22	Grab	O	U		1				✓	✓
16	210316.A140.125-1056		09:43	Grab	O	U		1				✓	✓
17	210316.A2003.125-1058		10:11	Grab	O	U		1				✓	✓
18	210316.A55.125-1061		12:03	Grab	O	U		1				✓	✓
19	210316.A114.125-1063		12:38	Grab	O	U		1				✓	✓
20	210316.A112.125-1065		12:49	Grab	O	U		1				✓	✓

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS 23
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)

Relinquished by: (signature)	Date/Time:
[signature]	3/16/21 1500
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments: 5 day turnaround time

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab 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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2103909

con-test ANALYTICAL LABORATORY

http://www.contestlabs.com

Doc # 381 Rev 2_06262019

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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980

Project Name:
Project Location: 52 Institue Road, Burlington, Vermont
Project Number: 280BS01563 Phase 012
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: N. Amato, J. Adams, K. Paritz

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PFAS 10-Day (std) ☐ Due Date:

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1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

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○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	EPA Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
(YR) ~~210316.A116.125-1065~~		~~3/16/21~~	~~1249~~	Grab	O	U		1				✓	✓
21	210316.A116.125-1069	↓	13:16	Grab	O	U		1				✓	✓
22	210316.A2011.125-1071	↓	13:36	Grab	O	U		1				✓	✓
23	210316.A144.125-1060	↓	10:58	Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS 23
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
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[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)

Relinquished by: (signature)	Date/Time:
	3/16/21 1500
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments: 5 day turnaround time

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab Comments:

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

con-test® ANALYTICAL LABORATORY

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 [illegible] Date 3/17/21 Time 1800

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

Direct from Sampling _____ Ambient _____ Melted Ice _____

By Gun # 2 Actual Temp - 3.1

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

Was Custody Seal Intact? NA Were Samples Tampered with? NR

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? NA 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? NA Acid _____ Base _____

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	23
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:

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B278260

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 3/18/2021 2:04:12PM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B278260-BLK1	Blank			LG 3/19/21	#26	2.00	10.0		1000		
B278260-BS1	LCS							1000	1000		
B278260-BSD1	LCS Dup							1000	1000		
21C0875-01	210315.A68.124-1029 30-4E	03/24/21	03/29/21			2.38			1000	EXTRACT & HOLD, RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-02	210315.A60.124-1031	03/24/21	03/29/21			2.40			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-03	210315.A43.124-1033	03/24/21	03/29/21			2.30			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-04	210315.A2012.124-1035	03/24/21	03/29/21			2.27			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-05	210315.A28.124-1037	03/24/21	03/29/21			2.41			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-06	210315.A109.124-1039	03/24/21	03/29/21	LG 3/19/21	#26	2.35	10.0		1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-07	210315.A2010.124-1041	03/24/21	03/29/21			2.16			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-08	210315.A2008.124-1043	03/24/21	03/29/21			2.37			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5

WIT CAH SPK DMP 3/18/21
Spikedby/Witnessed By Date

DMP 3/18/21
Extracted By Date

*sample burn out AVF 3.19.21 need re-extract.

C:\ELMNT\Print\bch_DEF_EXT_TAT.rpt

ran 3/19/21 #5 AMC

plapped 031921 JM

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B278260

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 3/18/2021 2:04:12PM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
21C0875-09	210315.A135.124-1045	03/24/21	03/29/21	LG 3/19/21	# 26	2.13	10.0		1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-10	210315.A30.124-1047	03/24/21	03/30/21			2.12			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-11	210315.A32.125-1049	03/24/21	03/30/21			2.09			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-12	210315.A100.125-1051	03/24/21	03/30/21			2.16			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-13	210315.A138.125-1055	03/24/21	03/30/21			2.19			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-14	210315.A140.125-1057	03/24/21	03/30/21	LG	#87	2.13	10.0		1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-15	210315.A2003.125-1059	03/24/21	03/30/21			2.01			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-16	210315.A55.125-1062	03/24/21	03/30/21			2.07			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-17	210315.A114.125-1064	03/24/21	03/30/21			2.04			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5

Spikedby/Witnessed By Date

Extracted By Date

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B278260

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 3/18/2021 2:04:12PM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
21C0909-21	210316.A116.125-1069	03/24/21	03/30/21			2.10			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0909-22	210316.A2011.125-1071	03/24/21	03/30/21			2.06			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0909-23	210316.A144.125-1060	03/24/21	03/30/21			2.05			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5

START DATE/TIME:
END DATE/TIME:
SPK Start Date/Time 3/18/21 @ 15:15
WIT:
StopDate/Time 3/19/21 07:27

Standard ID#	Description	Manufacture Lot#
2007070	Sodium Sulfate (Drum 45.5kg)	0000240206
2102079	Acetone	EA362-US
2102208	Methylene Chloride (200 L Drum)	EA414-US
2102275	Hexanes	60311
2102300	Filter Paper (VWR 043) Fluted	A29495172
2103038	Filter Paper (VWR 121) 15.0cm	17184076
2103253	Sodium Sulfate (Baked)	Sodium Sulfate/2
2103299	Distilled Solvent - MeCl2	DCM/ACE

balance S/N: 525973

Spikedby/Witnessed By Date

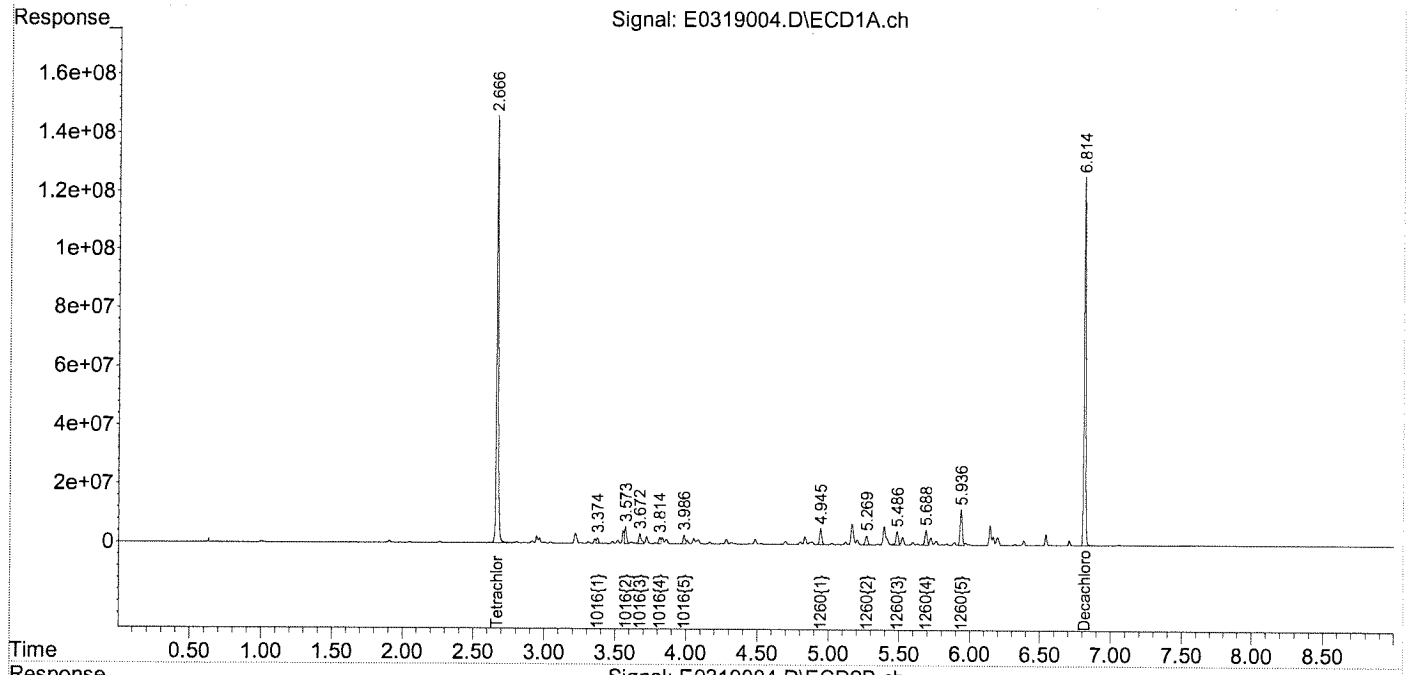
Extracted By Date

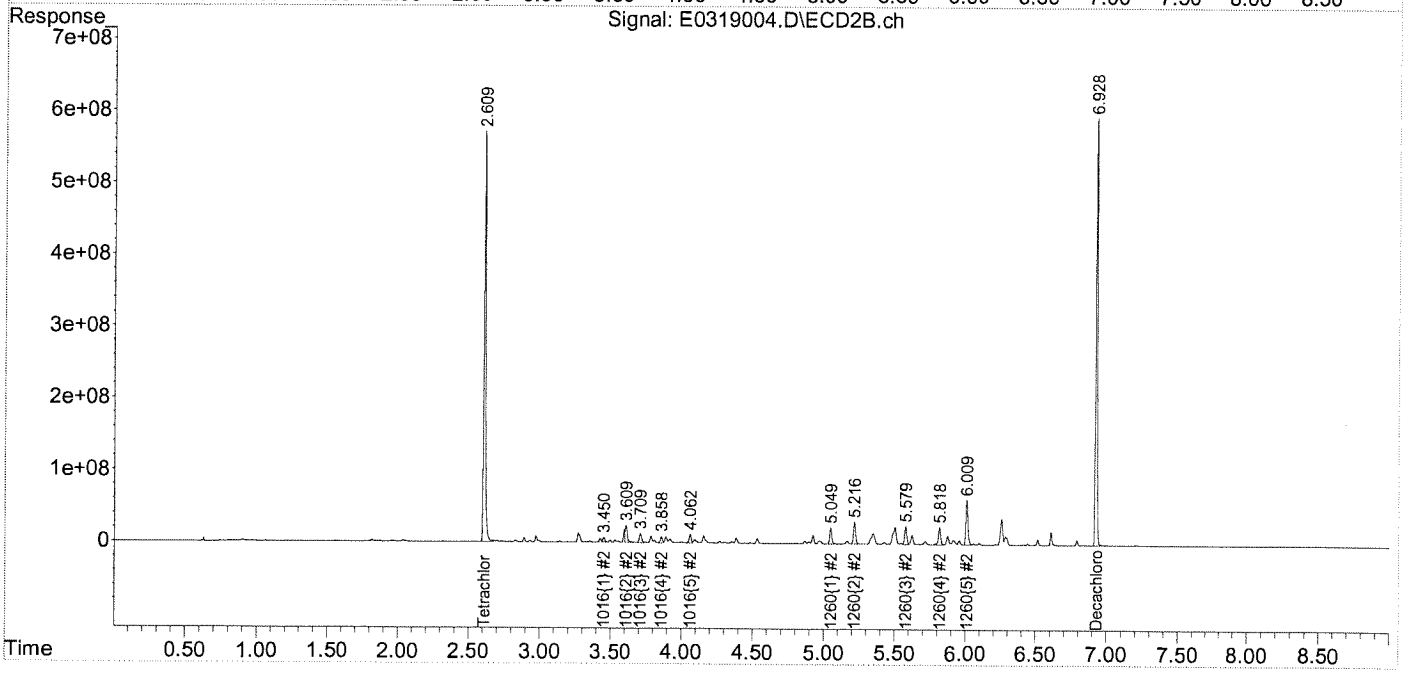
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 5:31 pm
Operator : JMB
Sample : 1260/1016 100 2102019 Inst : ECD 5
Misc : mix[s,11,17]
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 19:24:33 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



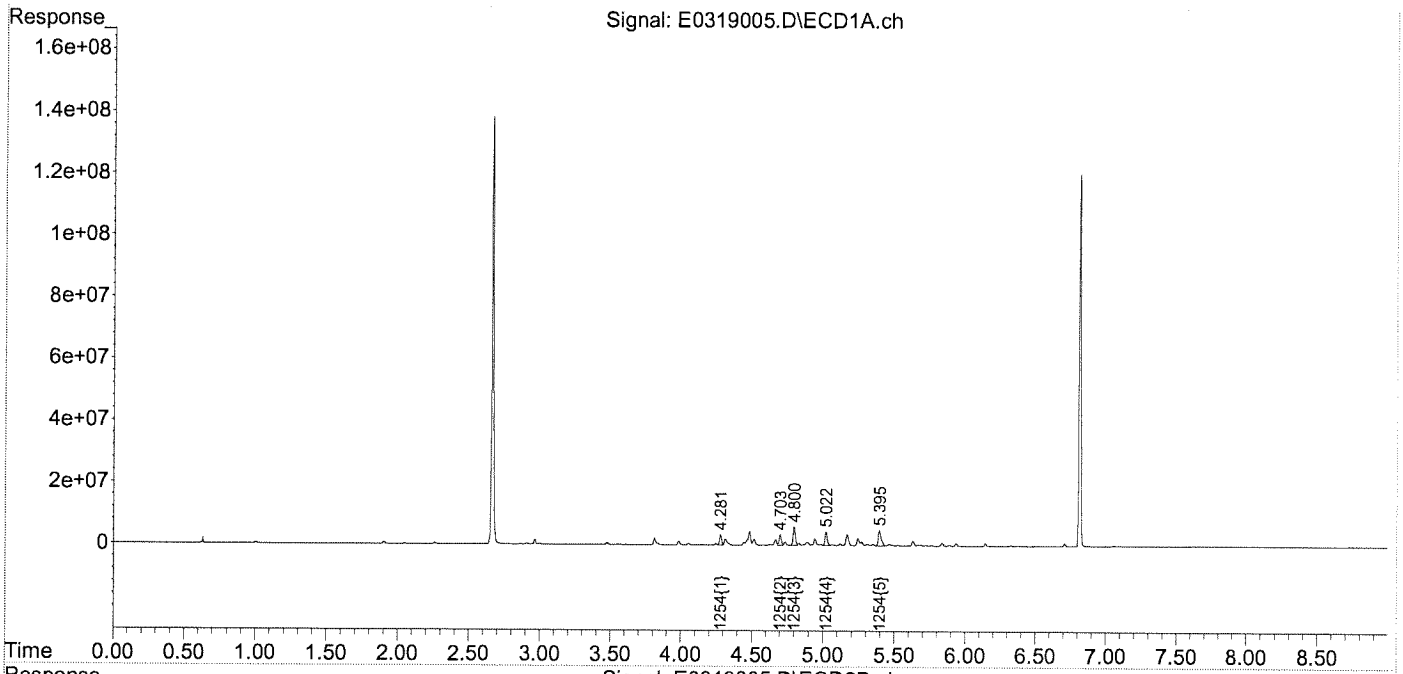


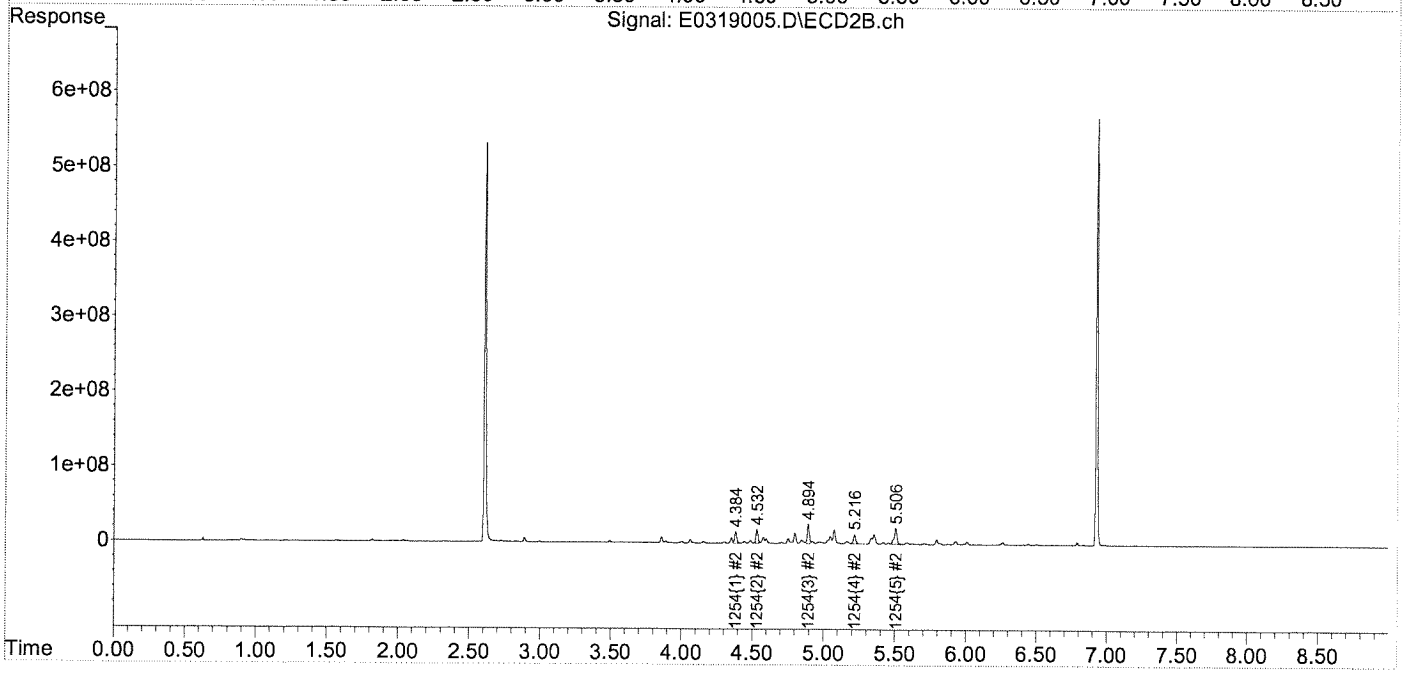
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 5:44 pm
Operator : JMB
Sample : 1254 100 2010265 Inst : ECD 5
Misc : mix[16]
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 19:24:36 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



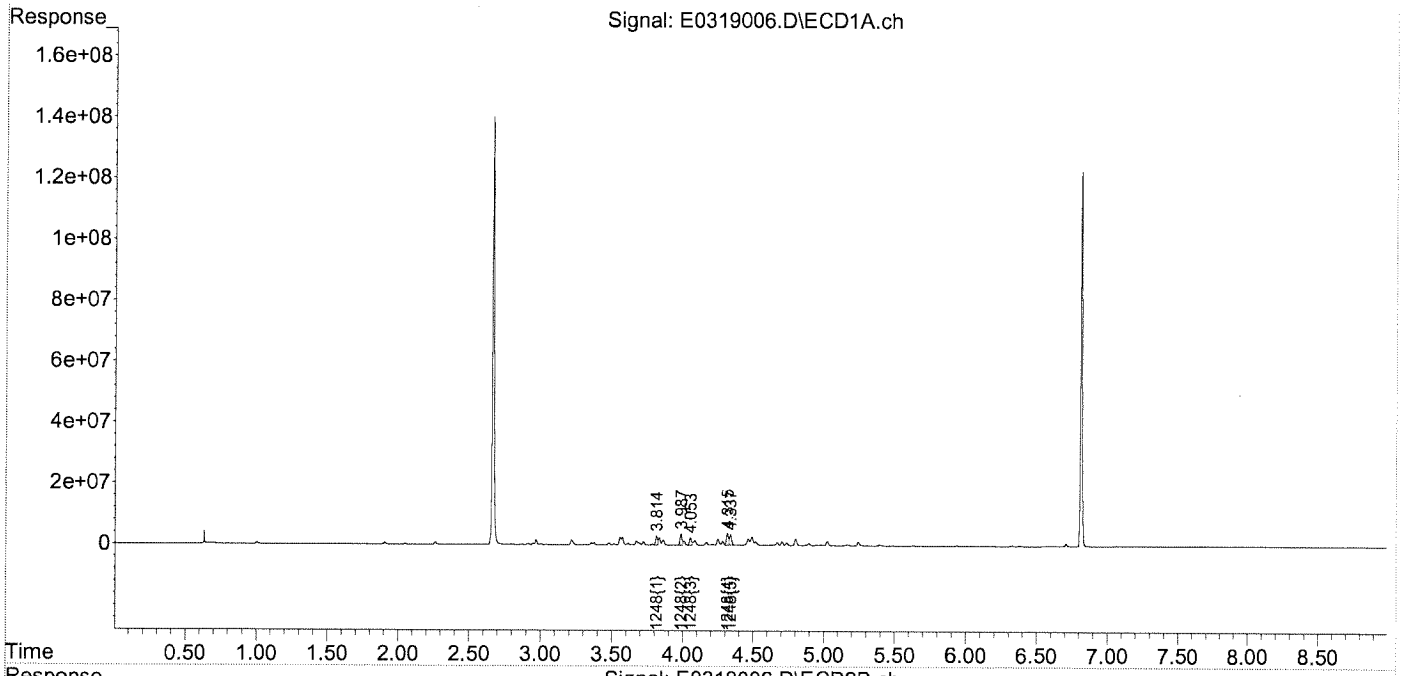


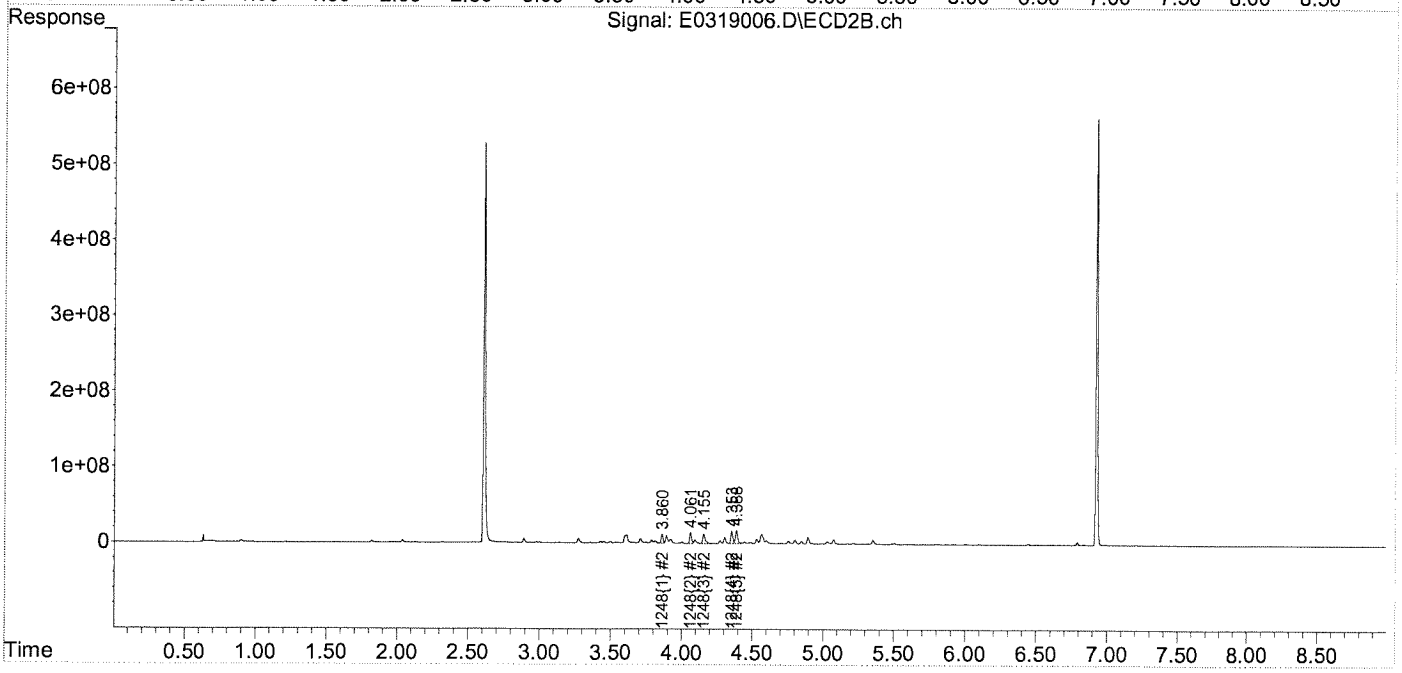
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 5:56 pm
Operator : JMB
Sample : 1248 100 2010210 Inst : ECD 5
Misc : mix[15]
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 19:24:39 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



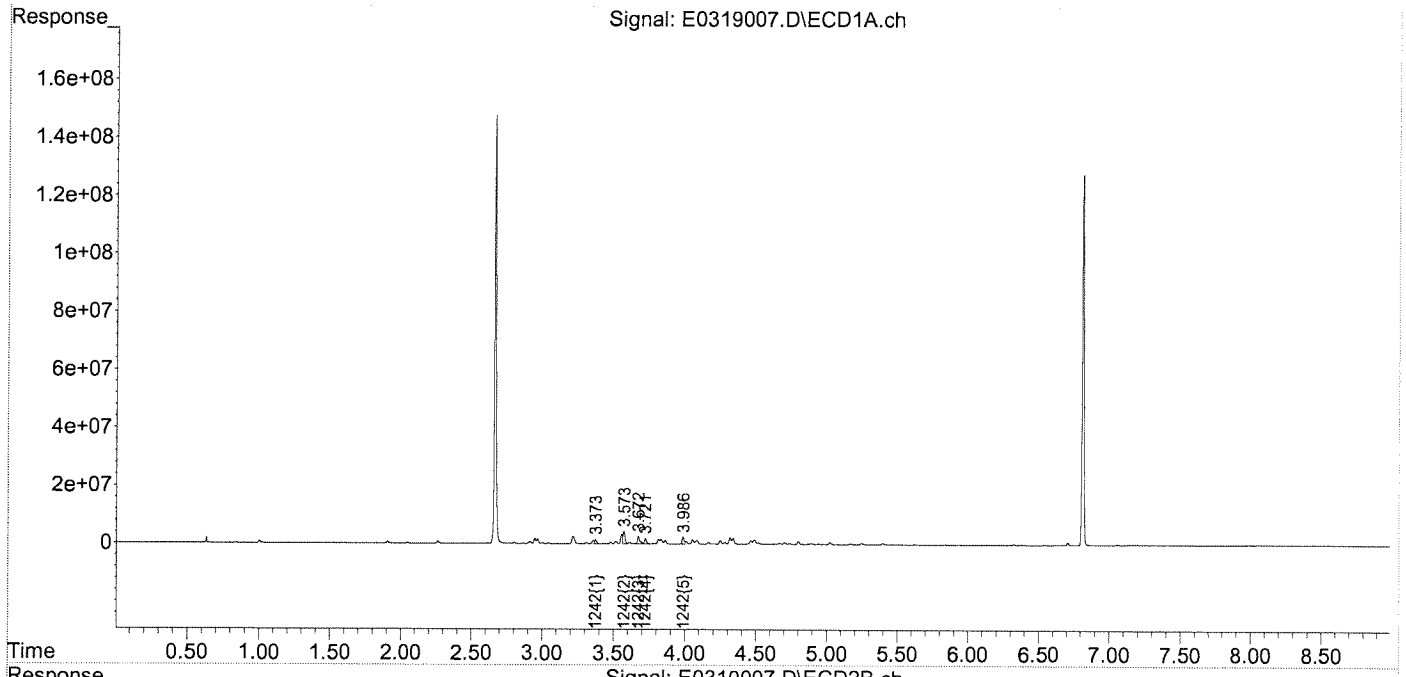


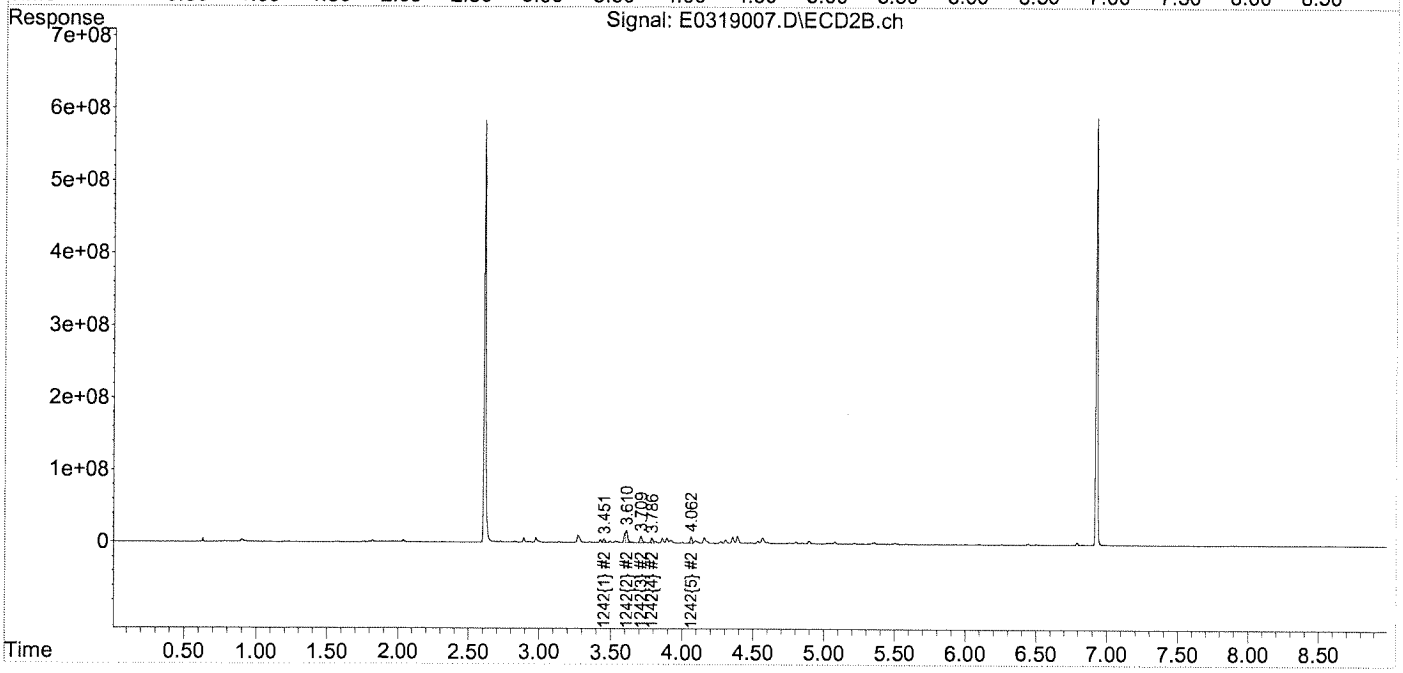
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 6:08 pm
Operator : JMB
Sample : 1242 100 2009334 Inst : ECD 5
Misc : mix[l4]
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 19:24:42 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



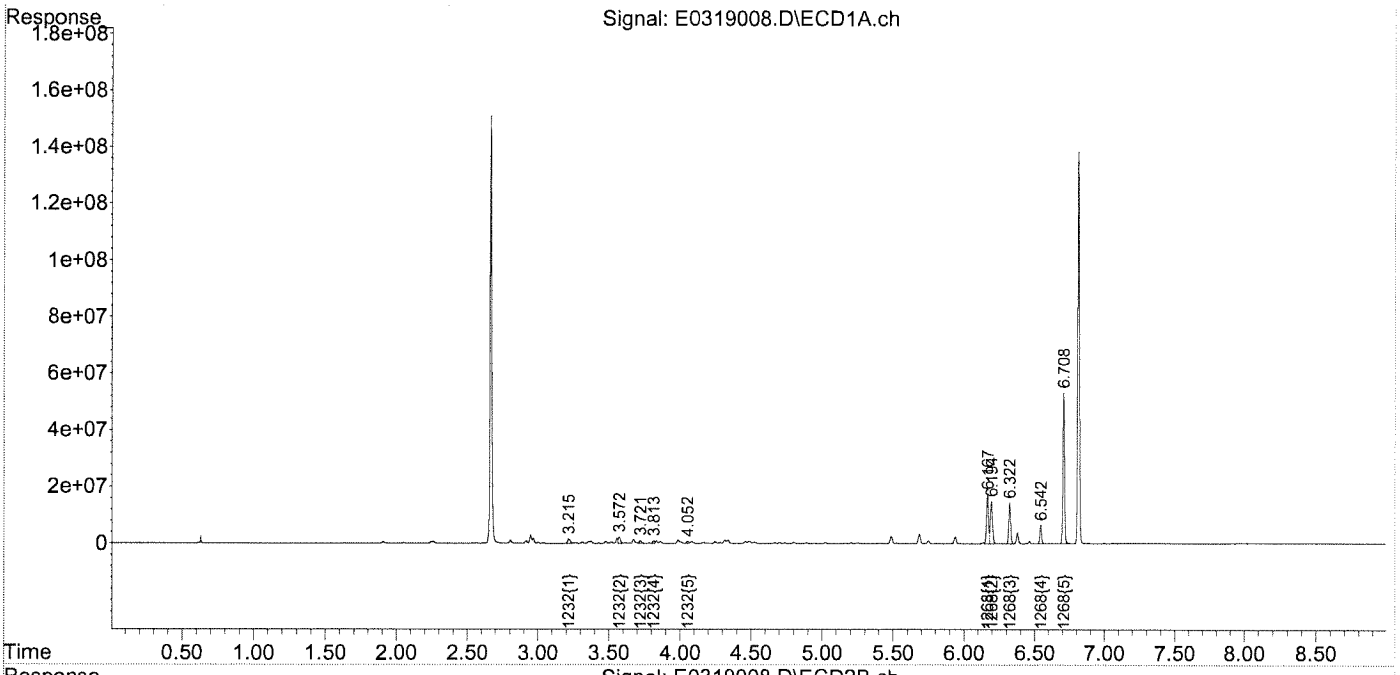


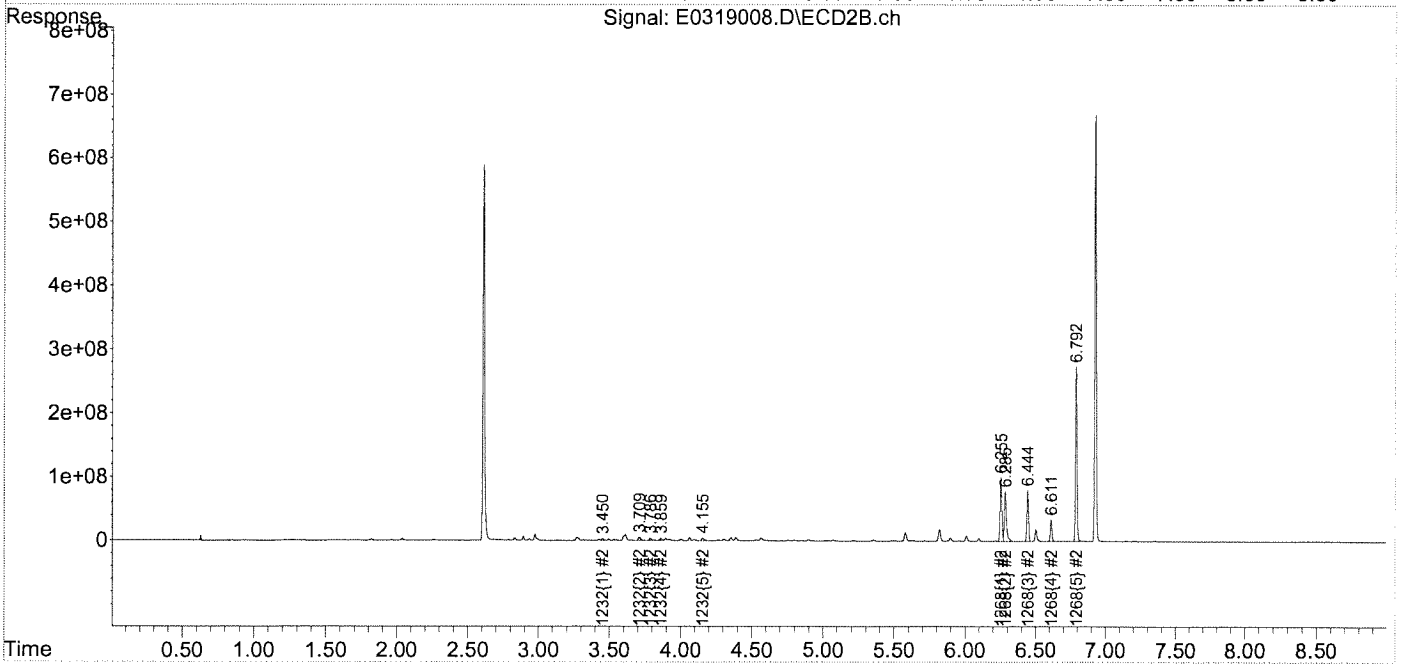
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 6:21 pm
Operator : JMB
Sample : 1232/1268 100 2012310 Inst : ECD 5
Misc : mix[13,19]
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 19:24:45 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



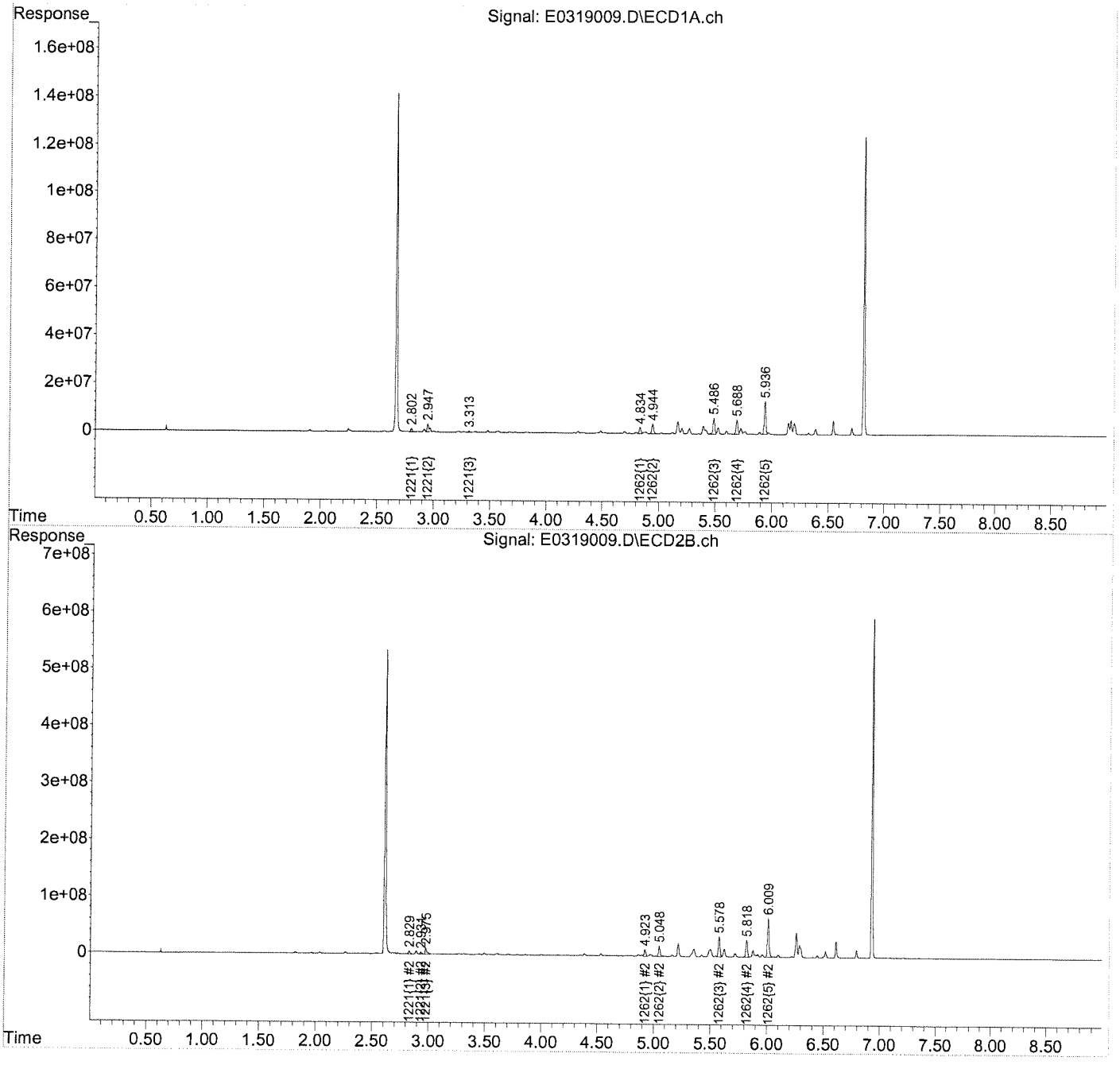


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 6:33 pm
Operator : JMB
Sample : 1221/1262 100 2012379 Inst : ECD 5
Misc : mix[12,18]
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 19:24:48 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

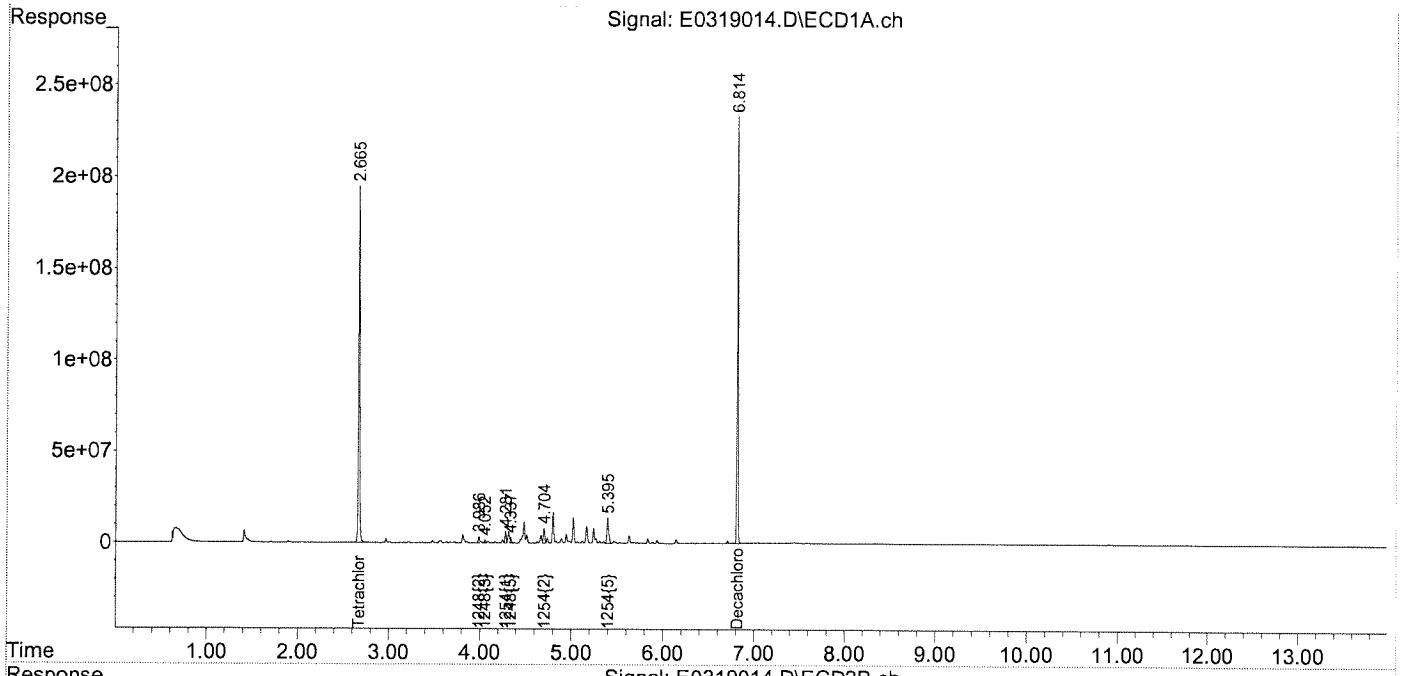


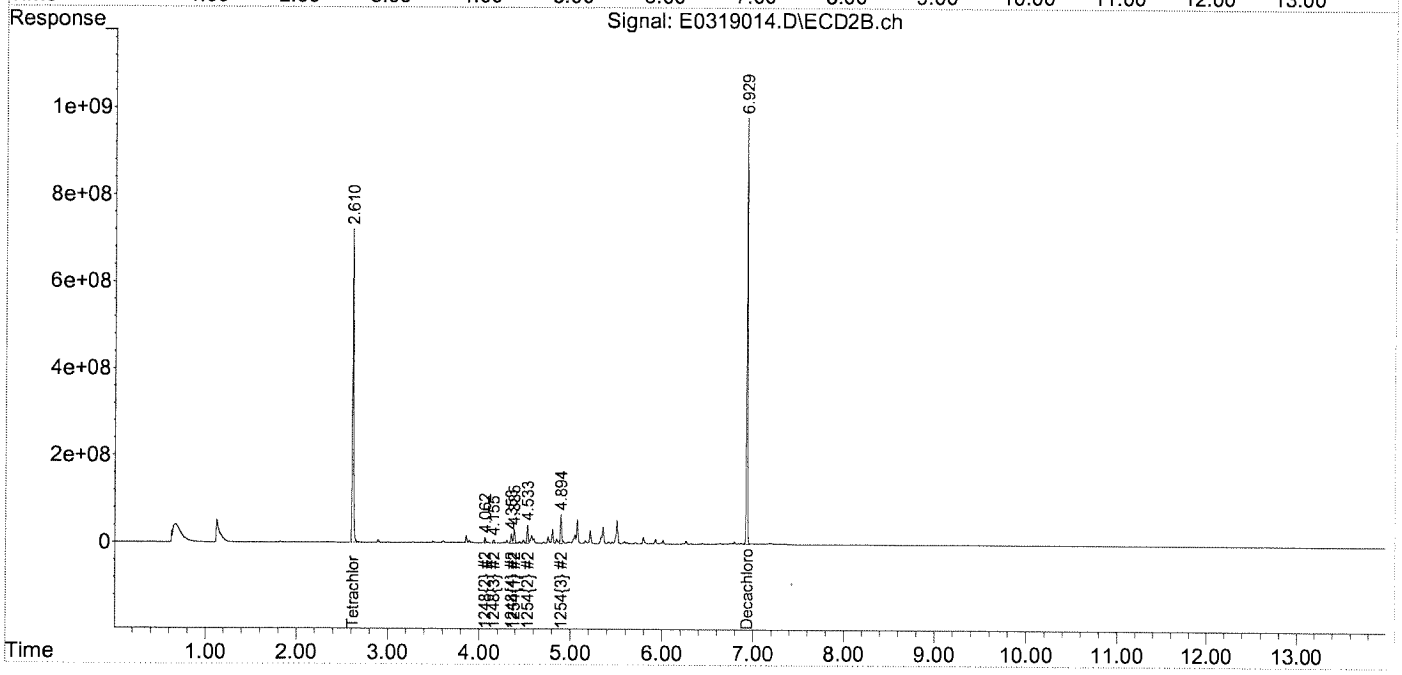
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 8:25 pm
Operator : JMB
Sample : 21C0909-21@TBA Inst : ECD 5
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 21:30:48 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



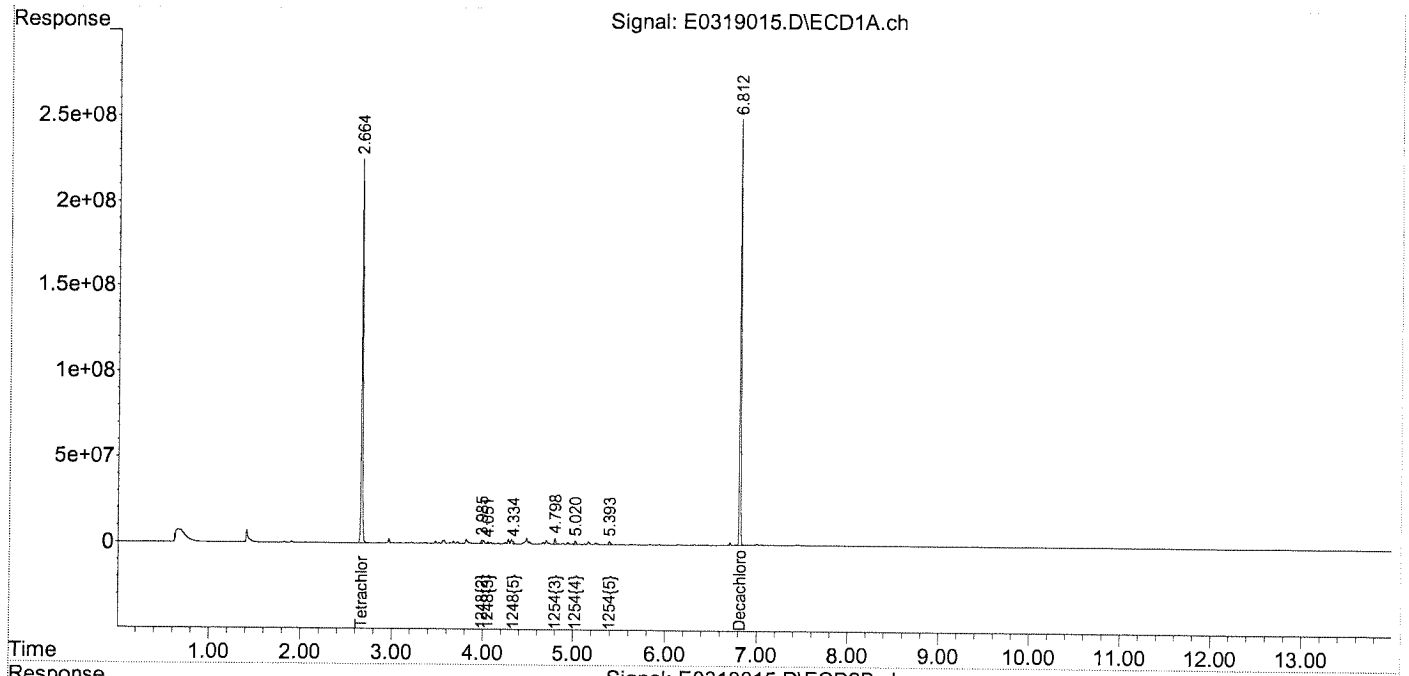


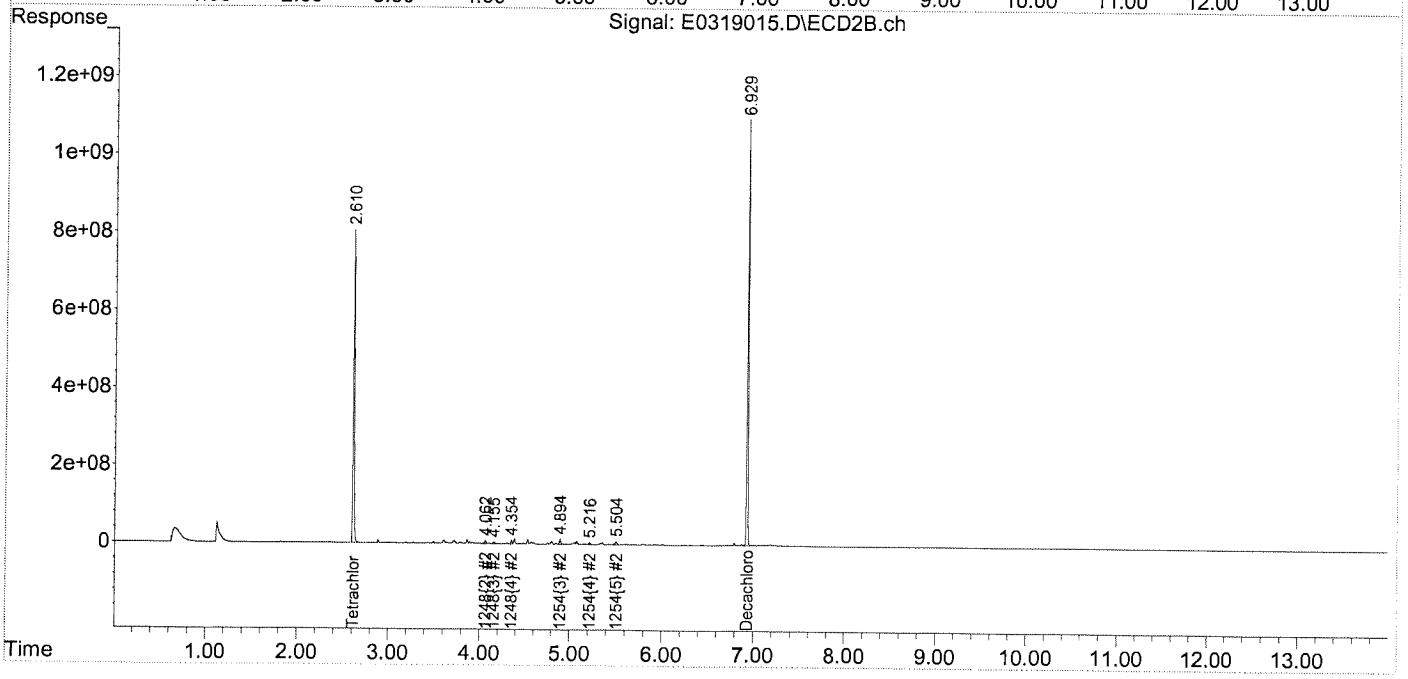
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 8:43 pm
Operator : JMB
Sample : 21C0909-22@TBA Inst : ECD 5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 21:30:51 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



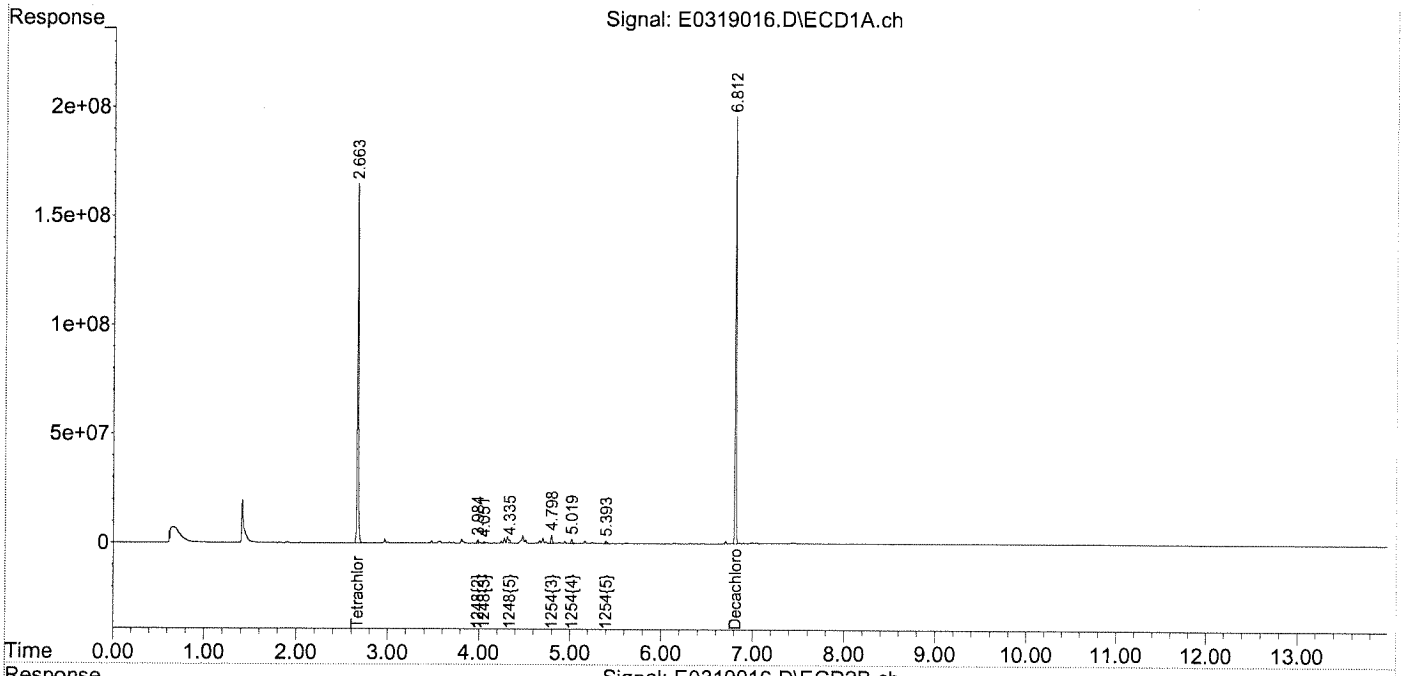


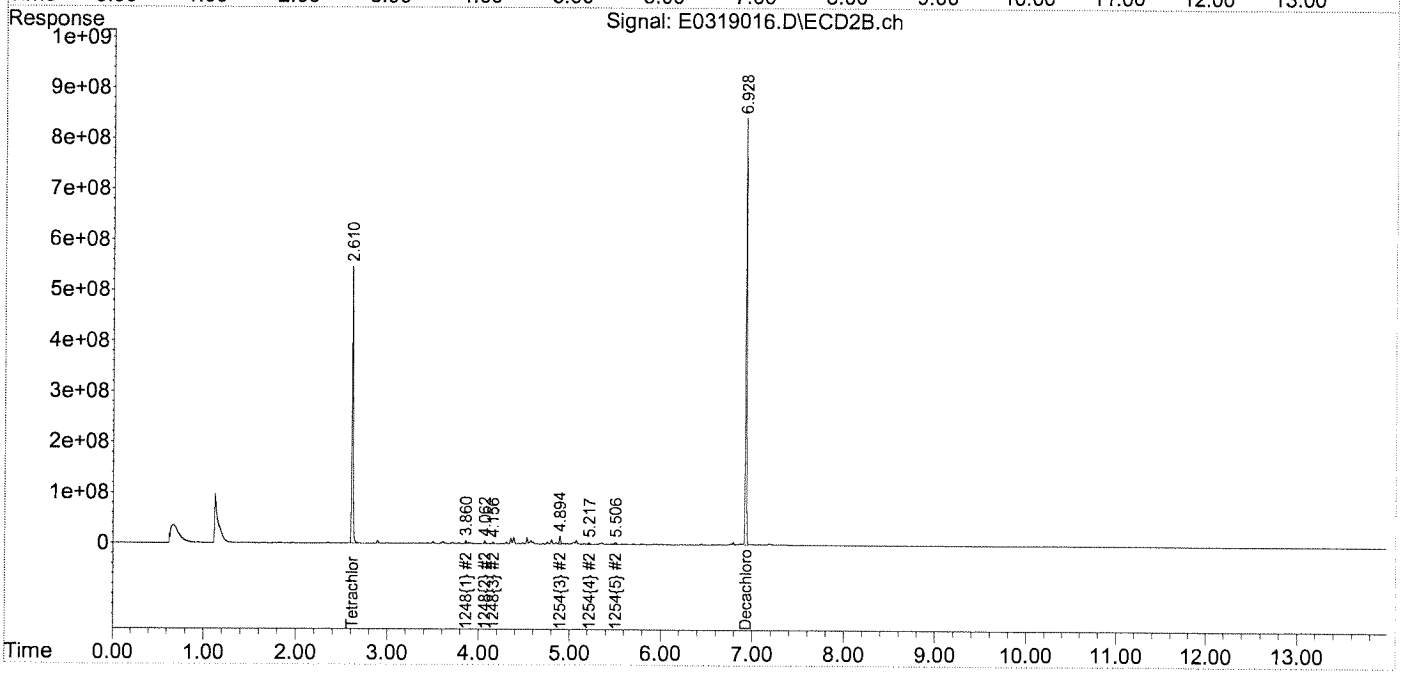
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 9:00 pm
Operator : JMB
Sample : 21C0909-23@TBA Inst : ECD 5
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 21:30:55 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B278261

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 3/18/2021 8:35:19AM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

2.00

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
B278261-BLK1	Blank			LG 3/19/21	*2C	2.00	10.0		1000	
B278261-BS1	LCS					2.00		1000	1000	
B278261-BSD1	LCS Dup					2.00		1000	1000	
21C0909-01	210315.A68.124-1028 30 4E	03/24/21	03/29/21			2.0944			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-02	210315.A60.124-1030 4 oz	03/24/21	03/29/21			2.0680			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-03	210315.A43.124-1032	03/24/21	03/29/21			2.0940			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-04	210315.A2012.124-1034	03/24/21	03/29/21			2.0125			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-05	210315.A28.124-1036	03/24/21	03/29/21			2.0142			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-06	210315.A109.124-1038	03/24/21	03/29/21			2.0280			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-07	210315.A2010.124-1040	03/24/21	03/29/21			2.0575			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-08	210315.A2008.124-1042	03/24/21	03/29/21		2.0996 *2C	AJH ~~2.0576~~			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-09	210315.A135.124-1044	03/24/21	03/29/21			2.0393			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-10	210316.A30.125-1046	03/24/21	03/29/21			2.0152			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor

Wit (S)
E60 AJH 3/18/21
Spikedby/Witnessed By Date

AJH 3/18/21 ran 03/19/21 #9 AMC
Extracted By Date

prepped 031921 JR

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B278261

Con-Test, a Pace Analytical Laboratory

Printed: 3/18/2021 8:35:19AM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Prepared using: SW-846 3540C

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
21C0909-11	210316.A32.125-1048	03/24/21	03/30/21	(G 3/19/21	#26	2.0547	10.0		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-12	210316.A100.125-1050	03/24/21	03/30/21			2.0315			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-13	210316.A142.125-1052	03/24/21	03/30/21			2.0157			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-14	210316.A40.125-1053	03/24/21	03/30/21			2.0867			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-15	210316.A138.125-1054	03/24/21	03/30/21			2.0153			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-16	210316.A140.125-1056	03/24/21	03/30/21			2.0076			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-17	210316.A2003.125-1058	03/24/21	03/30/21			2.0513			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-18	210316.A33.125-1061	03/24/21	03/30/21			2.0085			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-19	210316.A114.125-1063	03/24/21	03/30/21			2.0518			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-20	210316.A112.125-1065	03/24/21	03/30/21			2.0263			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor

Scale: 525973

ikedby/Witnessed By Date

Extracted By Date

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B278261

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 3/18/2021 8:35:19AM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

START DATE/TIME:
END DATE/TIME:
SPK Start Date/Time 3/18/21 @ 12:40
WIT:
StopDate/Time 3/19/21 07:27

Standard ID#	Description	Manufacture Lot#
2007070	Sodium Sulfate (Drum 45.5kg)	0000240206
2102079	Acetone	EA362-US
2102208	Methylene Chloride (200 L Drum)	EA414-US
2102275	Hexanes	60311
2102300	Filter Paper (VWR 043) Fluted	A29495172
2103038	Filter Paper (VWR 121) 15.0cm	17184076
2103253	Sodium Sulfate (Baked)	Sodium Sulfate/2
2103299	Distilled Solvent - MeCl2	DCM/ACE

edby/Witnessed By Date

Extracted By Date

LMNT\Print\bch_DEF_EXT.rpt

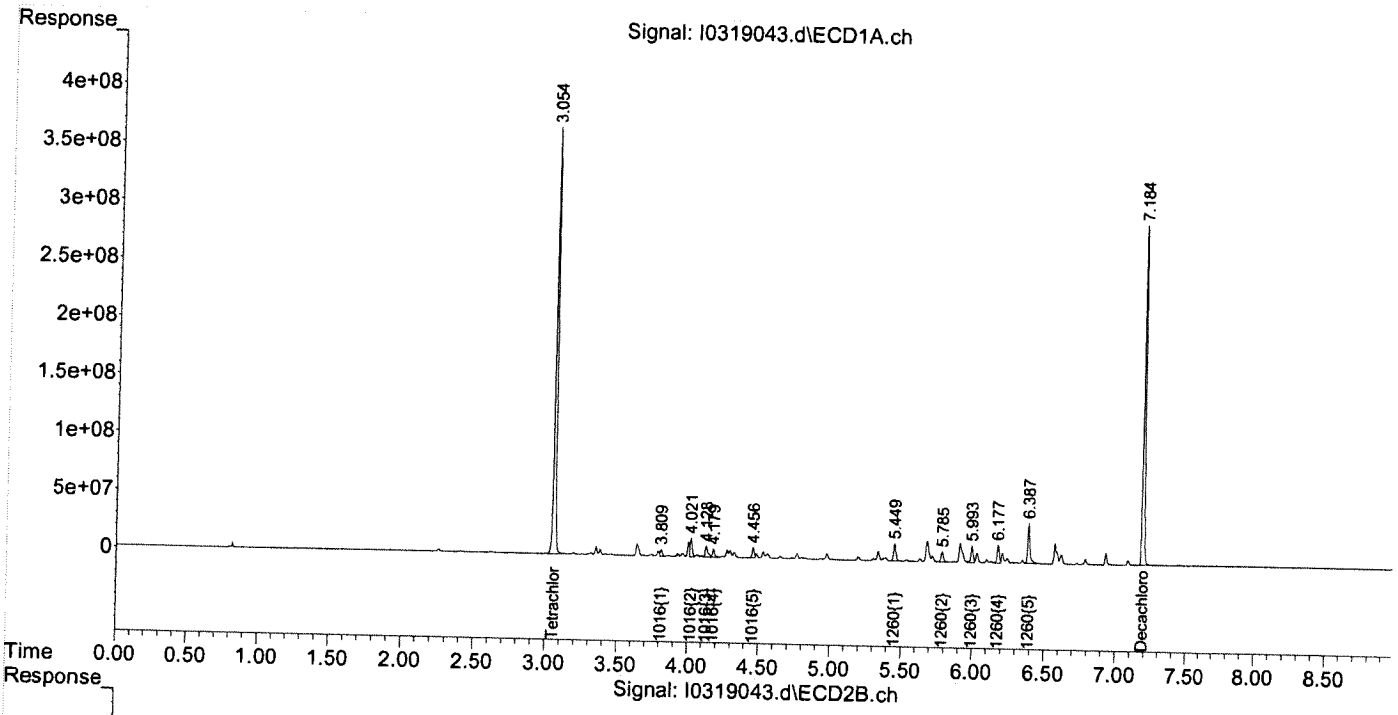
Data Path : C:\msdchem\1\data\031921\
Data File : I0319043.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 6:50 pm
Operator : JMB
Sample : 1260/1016 100
Misc :
ALS Vial : 43 Sample Multiplier: 1

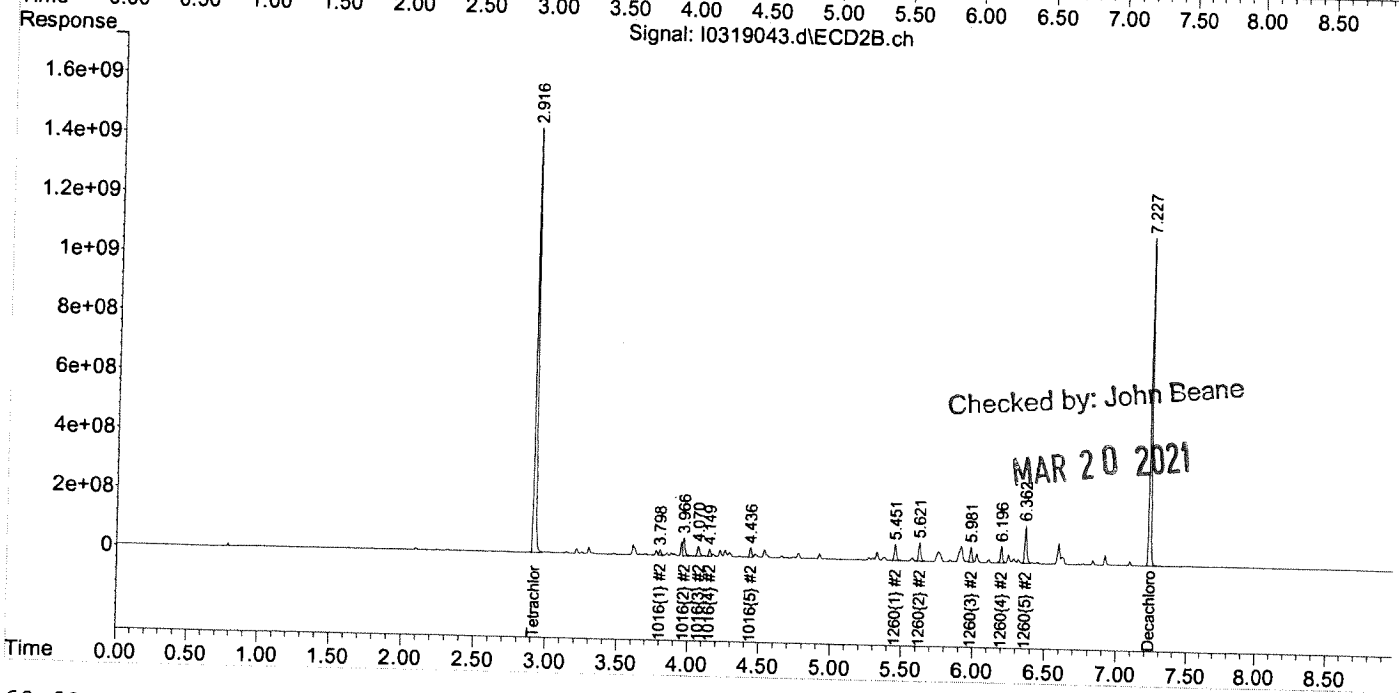
Inst : ECD 9

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Mar 19 20:00:42 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-031121.M
Quant Title : 1260/1016 02/23/21 02/02/21 ICAL 2100053
QLast Update : Wed Feb 24 09:46:40 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :

Signal #2 Phase:
Signal #2 Info :



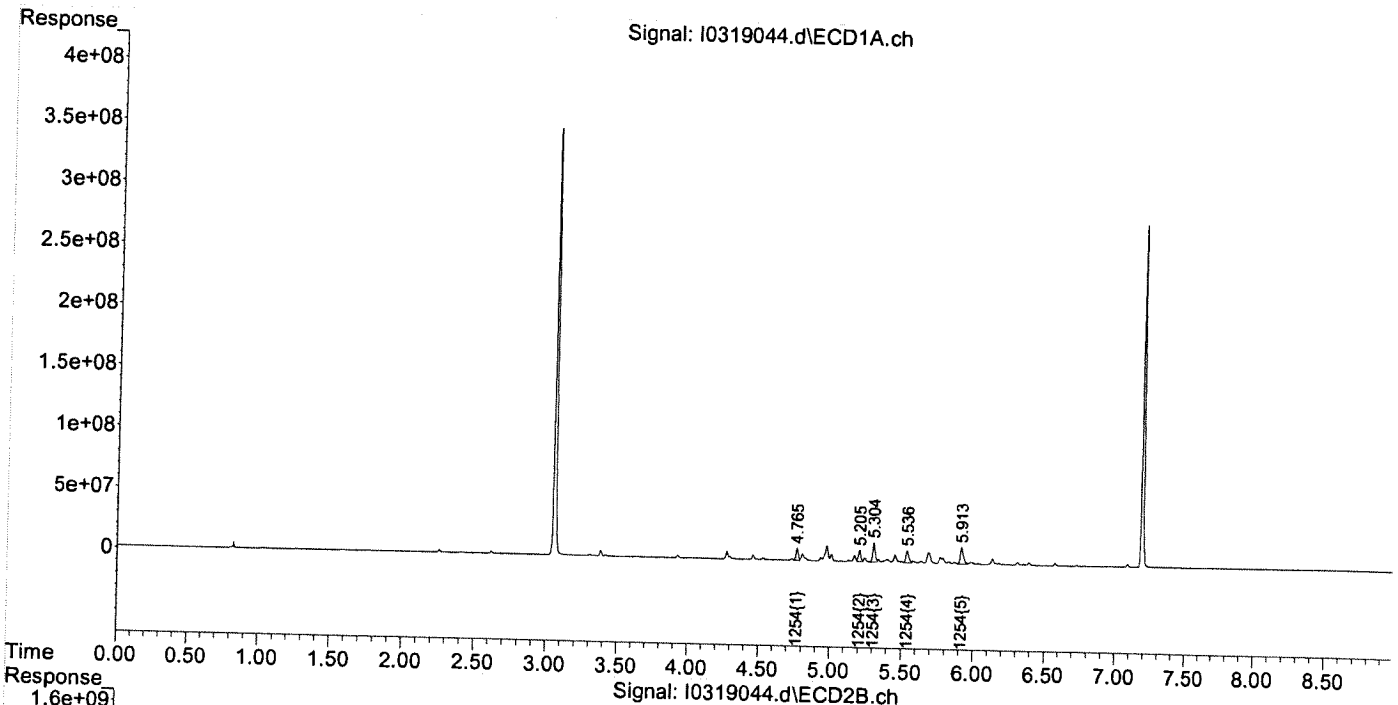


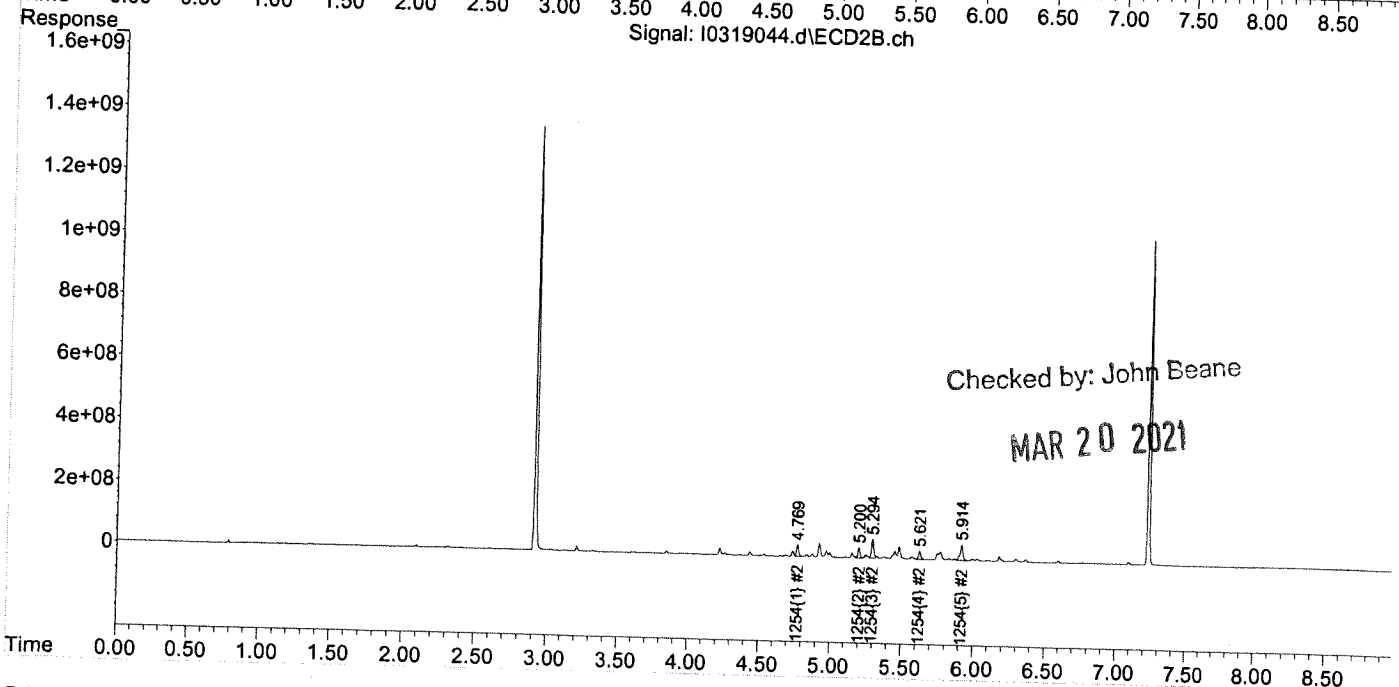
Checked by: John Beane
MAR 20 2021

Data Path : C:\msdchem\1\data\031921\
Data File : I0319044.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 7:02 pm
Operator : JMB
Sample : 1254 100
Misc :
Inst : ECD 9
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 21:20:19 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





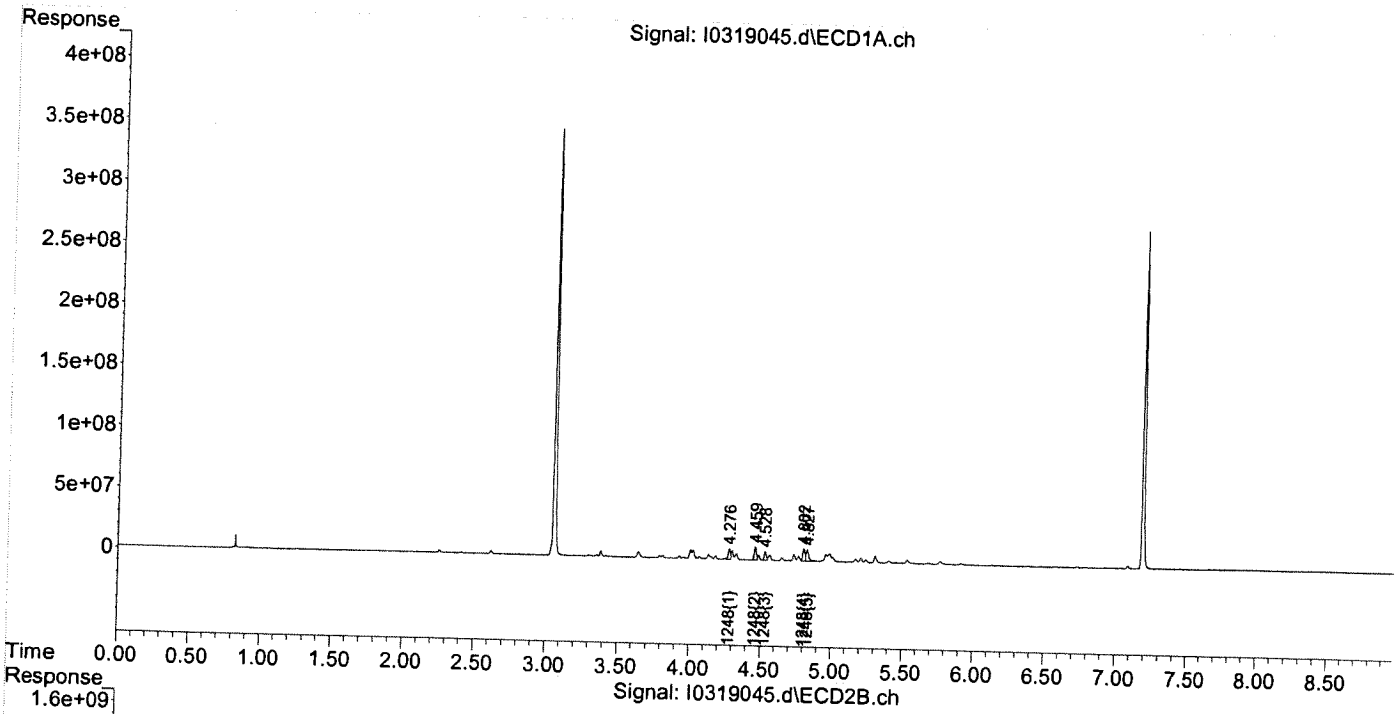
Checked by: John Beane

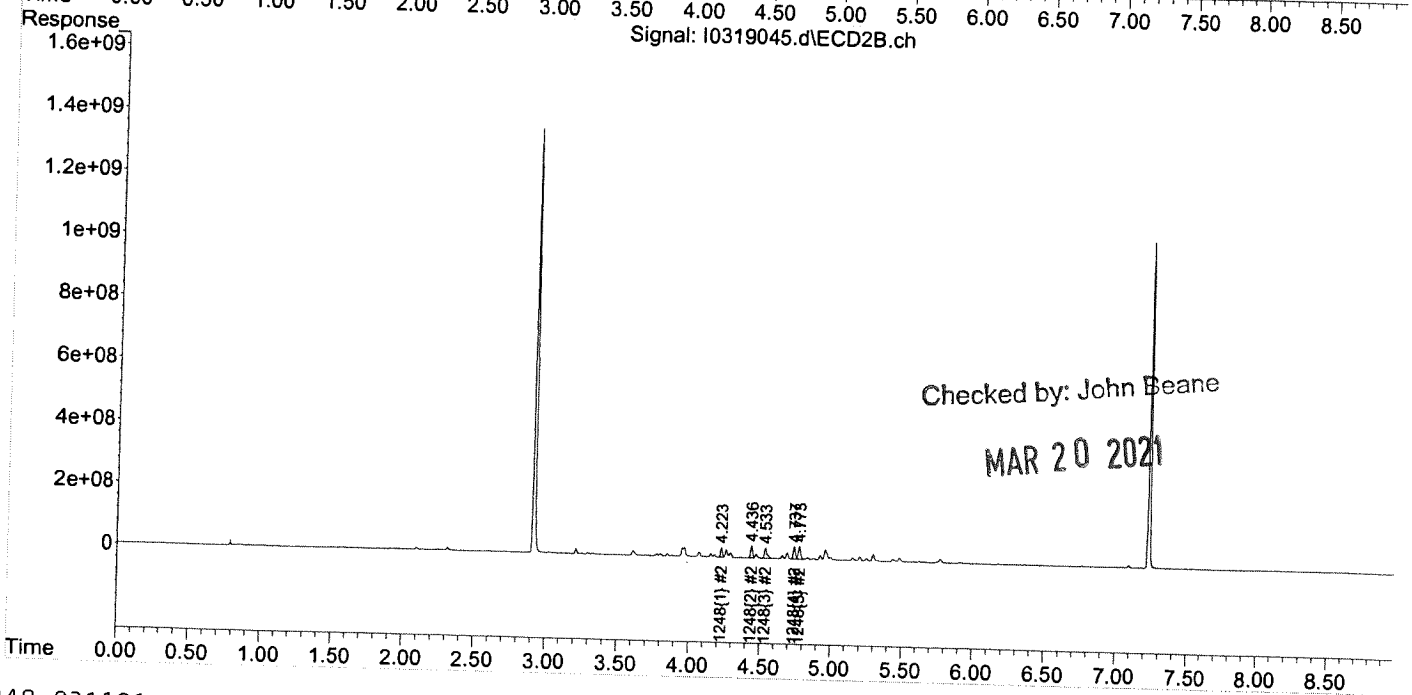
MAR 20 2021

Data Path : C:\msdchem\1\data\031921\
Data File : I0319045.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 7:15 pm
Operator : JMB
Sample : 1248 100
Misc :
Inst : ECD 9
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: F-1248.E
Integration File signal 2: B-1248.E
Quant Time: Mar 19 21:20:30 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1248-031121.M
Quant Title : 1248 02/22/21 10/14/20 ICAL 2100053
QLast Update : Tue Feb 23 11:56:44 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





Checked by: John Beane

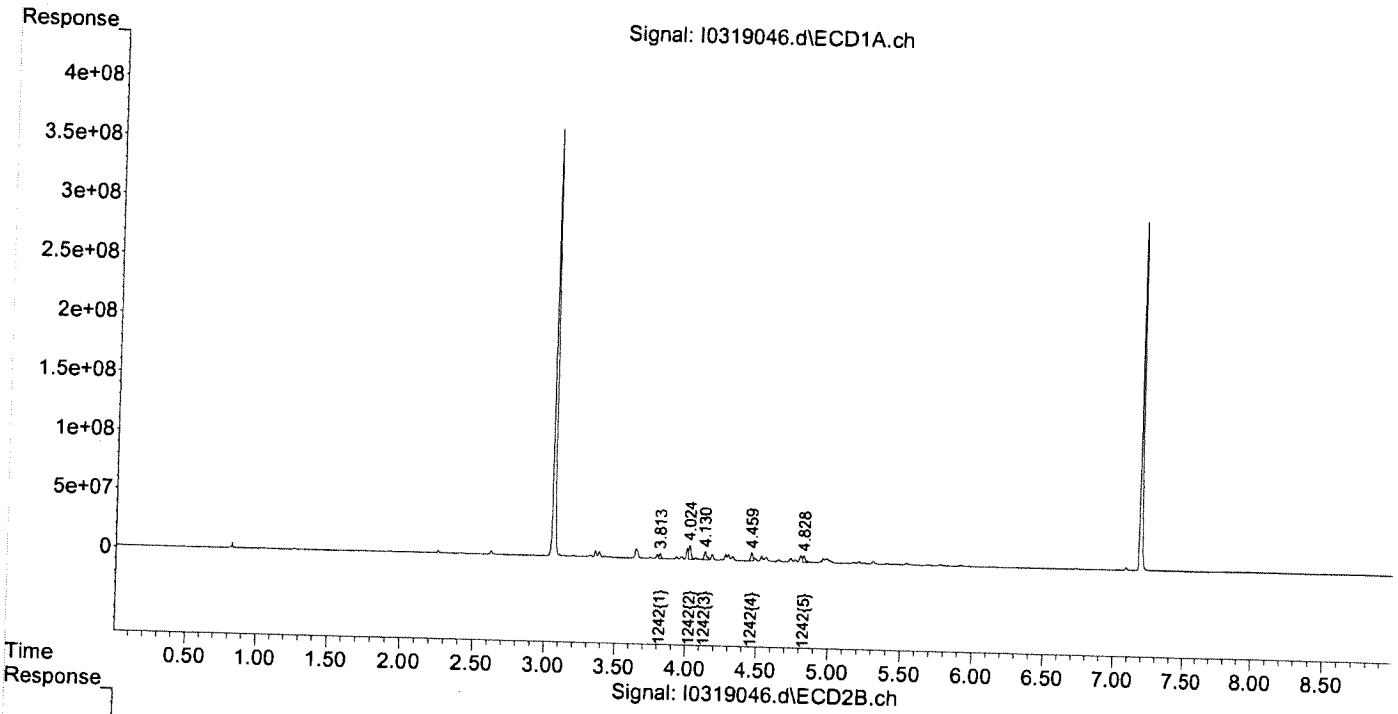
MAR 20 2021

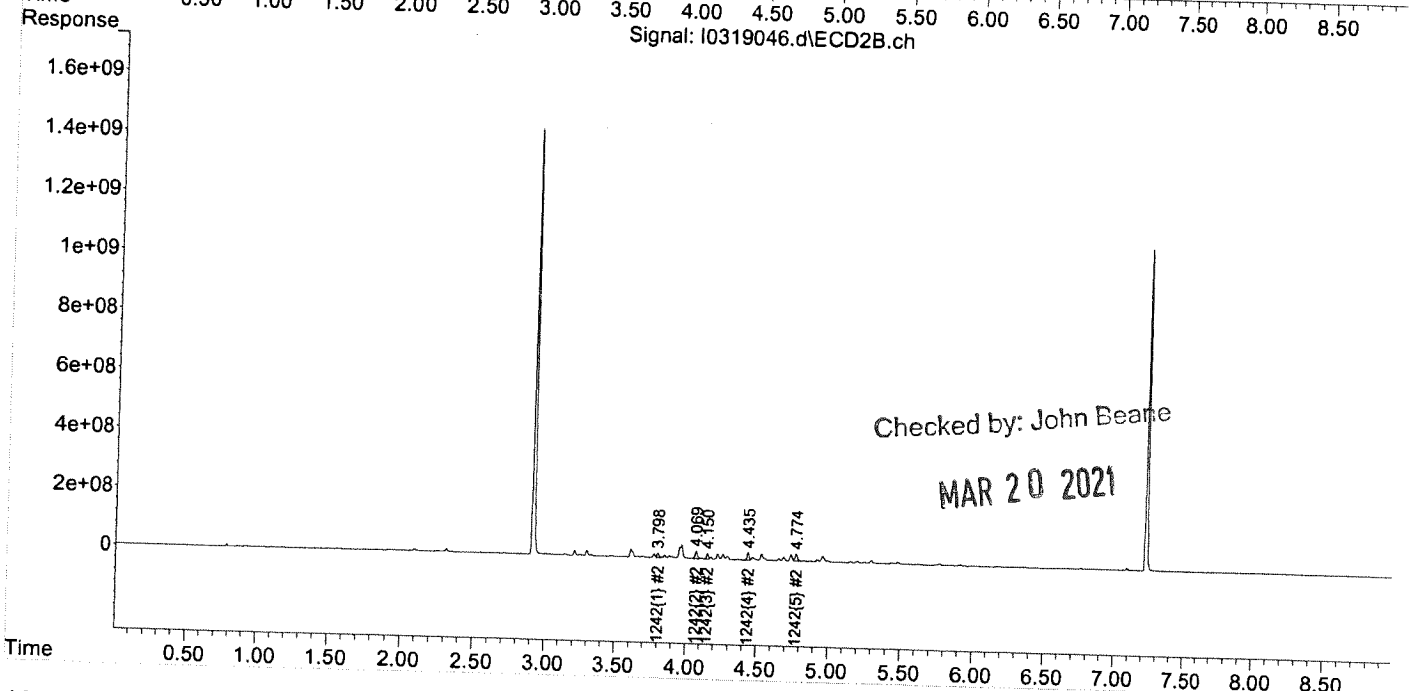
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319046.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 7:27 pm
Operator : JMB
Sample : 1242 100
Misc :
Inst : ECD 9
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: F-1242.E
Integration File signal 2: B-1242.E
Quant Time: Mar 19 21:20:40 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1242-031121.M
Quant Title : 1242 02/22/21 09/28/20 ICAL 2100053
QLast Update : Tue Feb 23 12:00:11 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





Checked by: John Beane

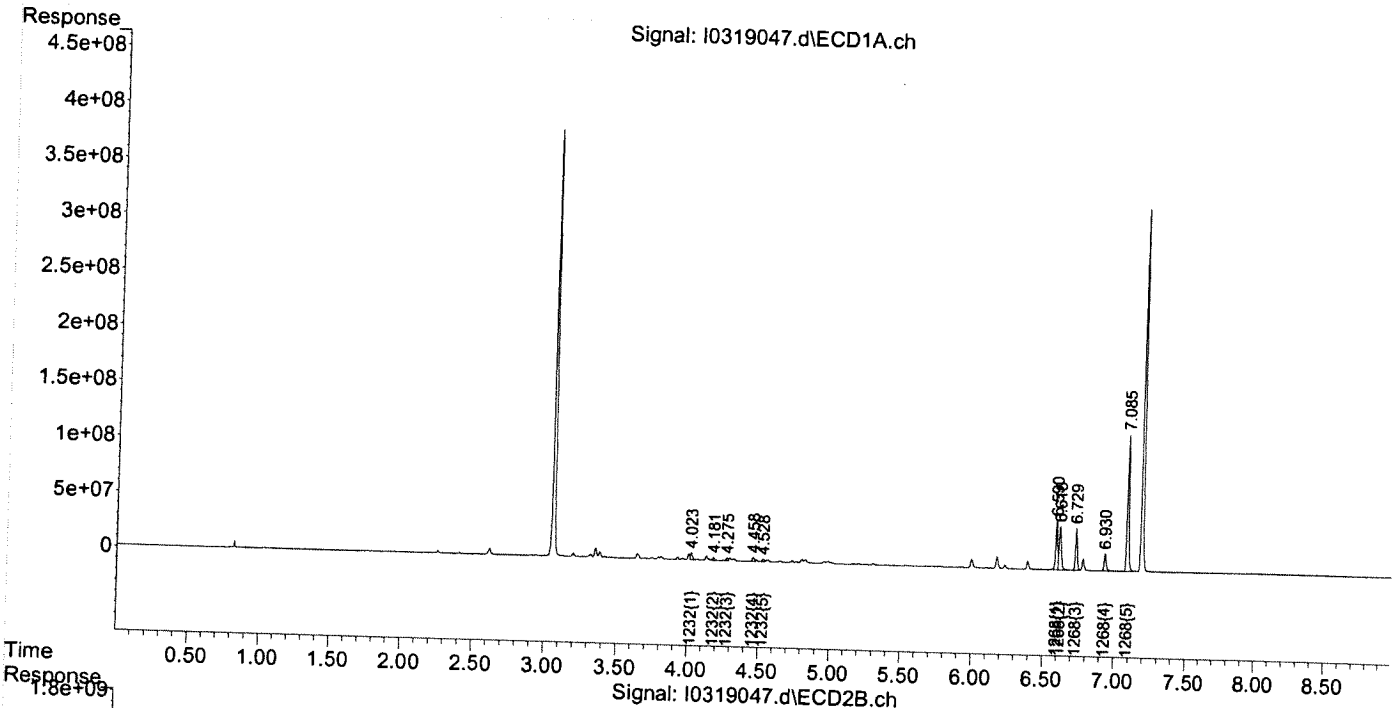
MAR 20 2021

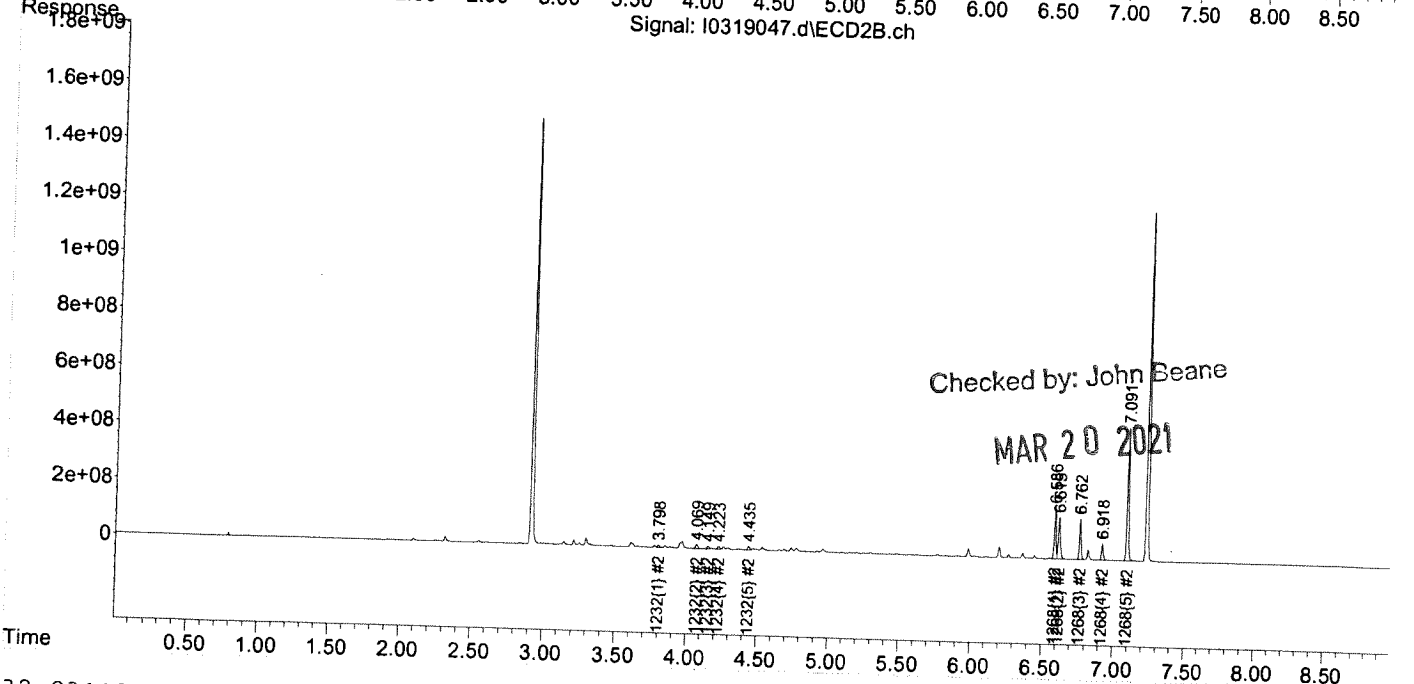
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319047.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 7:40 pm
Operator : JMB
Sample : 1232/1268 100
Misc :
Inst : ECD 9
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: F-1232.E
Integration File signal 2: B-1232.E
Quant Time: Mar 19 21:20:51 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1232-031121.M
Quant Title : 1232/1268 02/22/21 12/22/20 ICAL 2100053
QLast Update : Tue Feb 23 14:59:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





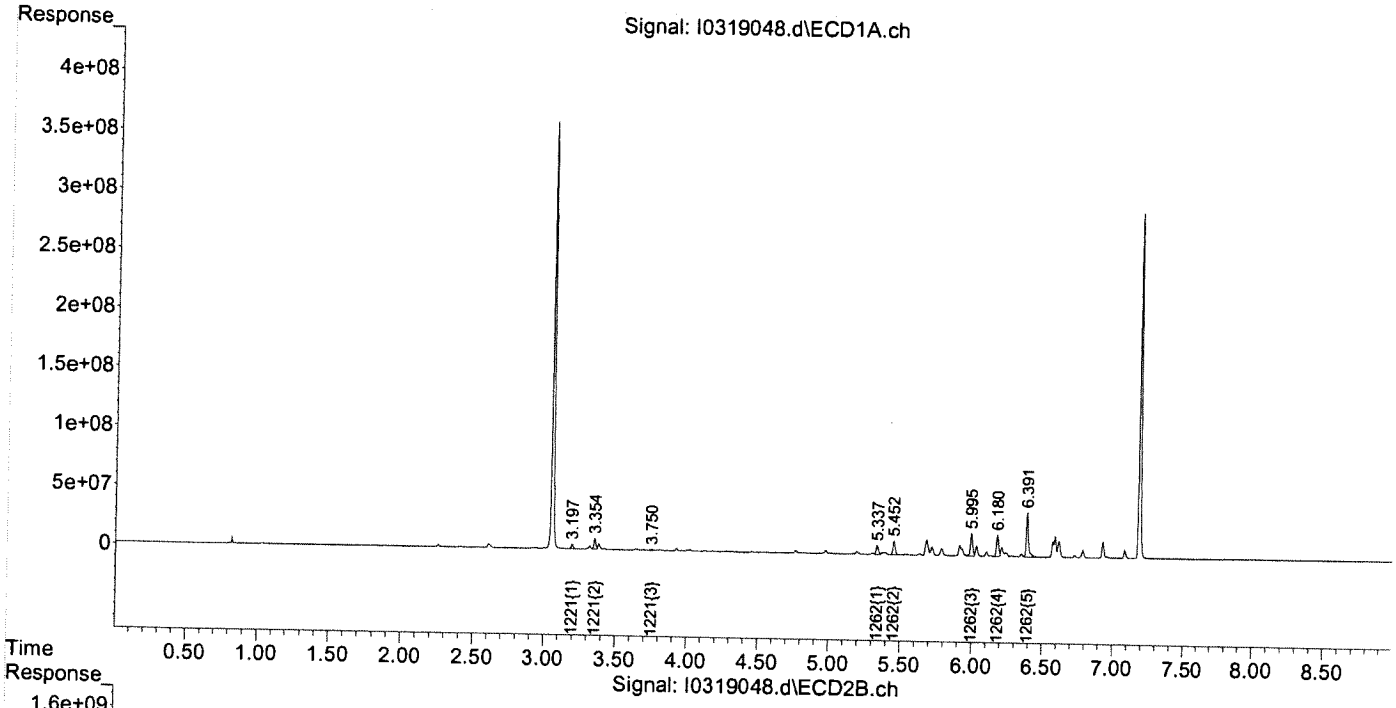
Checked by: John Beane
MAR 20 2021

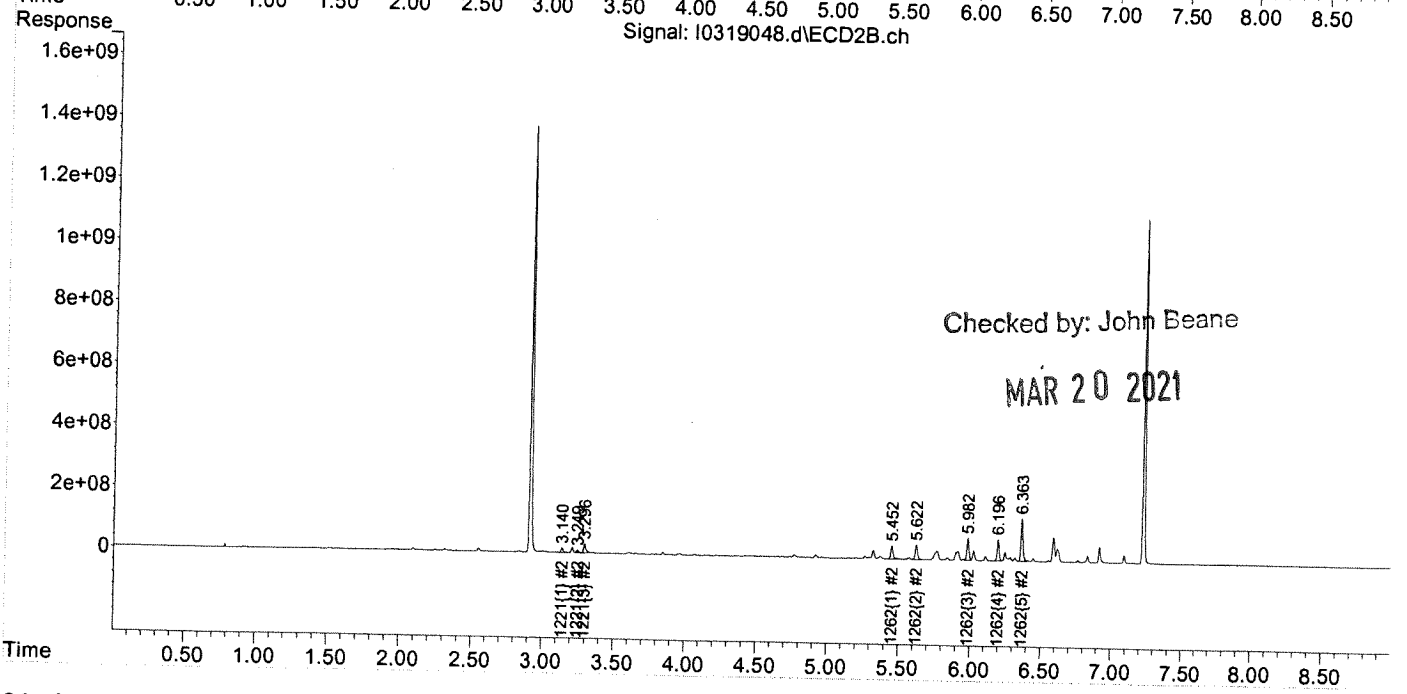
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319048.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 7:52 pm
Operator : JMB
Sample : 1221/1262 100 Inst : ECD 9
Misc :
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: F-1221.E
Integration File signal 2: B-1221.E
Quant Time: Mar 19 21:21:10 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1221-031121.M
Quant Title : 1221/1262 02/23/21 12/29/20 ICAL 2100053
QLast Update : Wed Feb 24 09:48:50 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





Checked by: John Beane

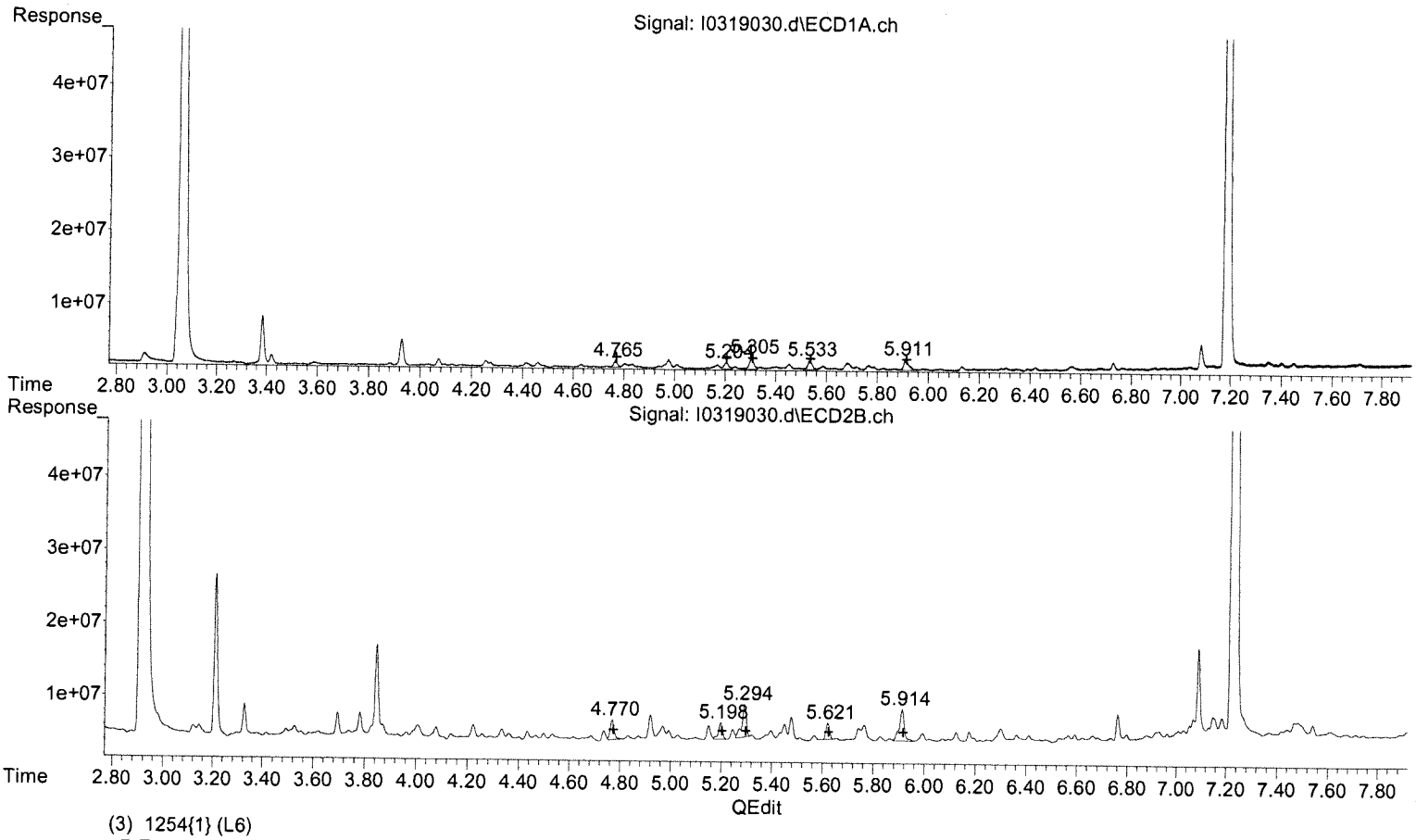
MAR 20 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319030.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 3:03 pm
Operator : JMB
Sample : 21C0909-01@TBA Inst : ECD 9
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:55:30 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.77	10222576	9.55
5.20	11750009	9.99
5.30	20687428	10.90
5.53	16329417	11.24
5.91	21287643	10.60

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	30983855	7.53
5.20	25640215	7.09
5.29	56017452	8.83
5.62	22852942	7.27
5.91	59294325	8.66

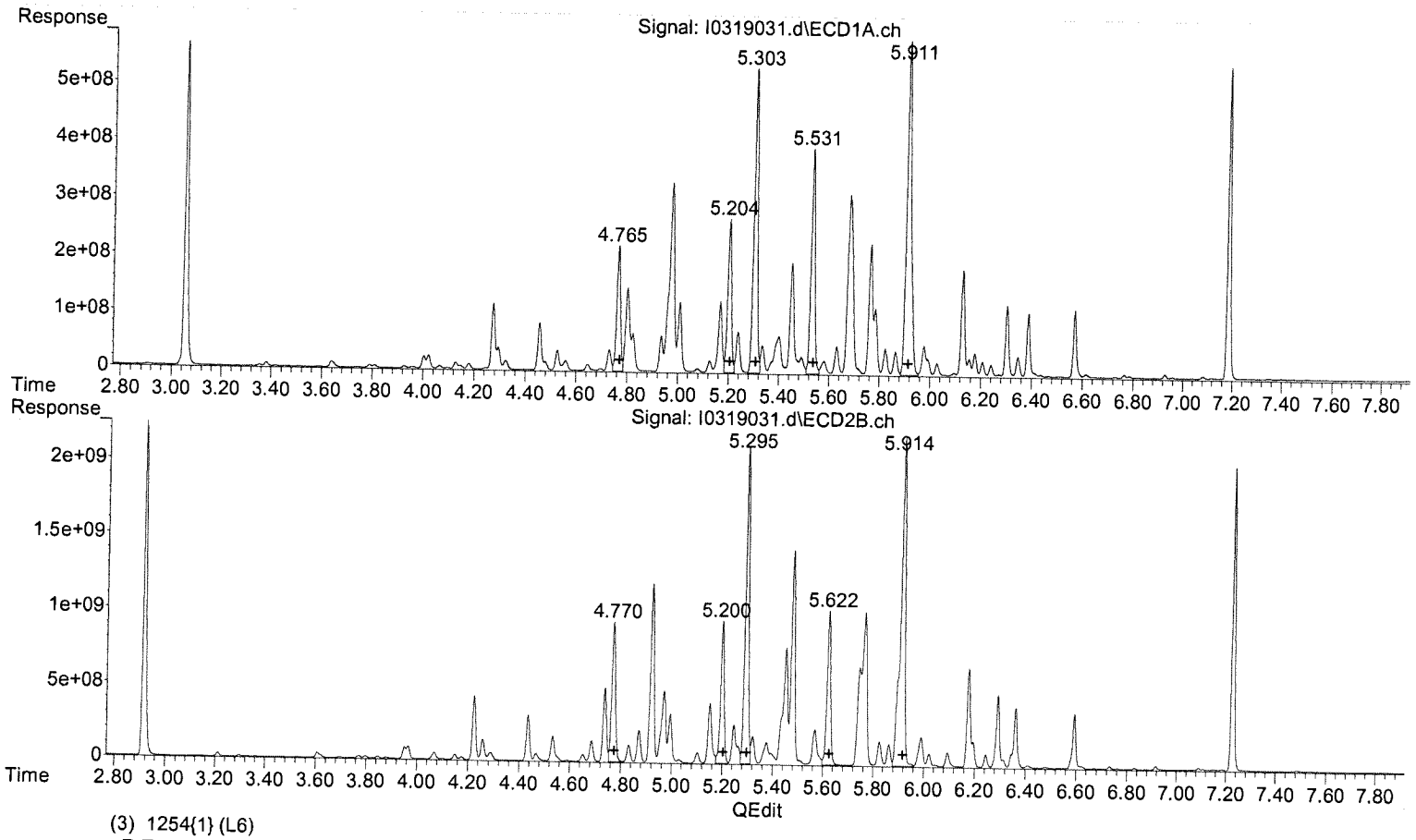
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 05:14:21 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319031.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 3:21 pm
Operator : JMB
Sample : 21C0909-02@TBA Inst : ECD 9
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 17:20:20 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.77	2236558128	2088.38
5.20	2862008824	2432.33
5.30	5418798583	2855.00
5.53	4169441035	2868.90
5.91	7549462038	3760.96

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	9601935669	2333.65
5.20	9393521002	2597.67
5.30	20013629095	3156.14
5.62	10558121666	3356.48
5.92	27039604015	3947.94

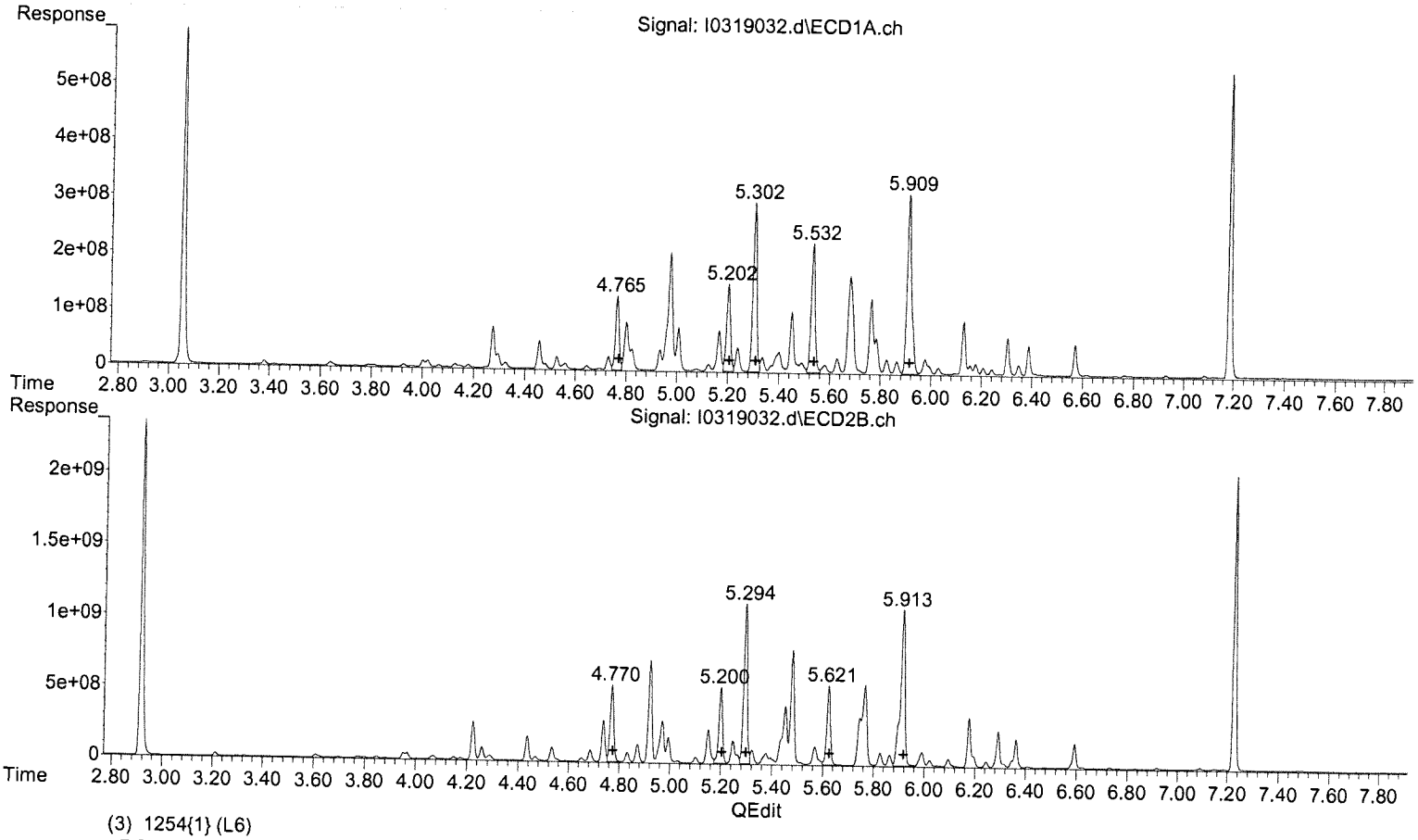
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319032.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 3:38 pm
Operator : JMB
Sample : 21C0909-03@TBA Inst : ECD 9
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 17:21:55 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	1313666360	1226.63
5.20	1649084816	1401.51
5.30	3065642284	1615.19
5.53	2461702650	1693.85
5.91	4006181378	1995.78

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	5565304020	1352.59
5.20	5451094221	1507.44
5.29	10938488902	1724.99
5.62	5787207833	1839.78
5.91	13930446202	2033.93

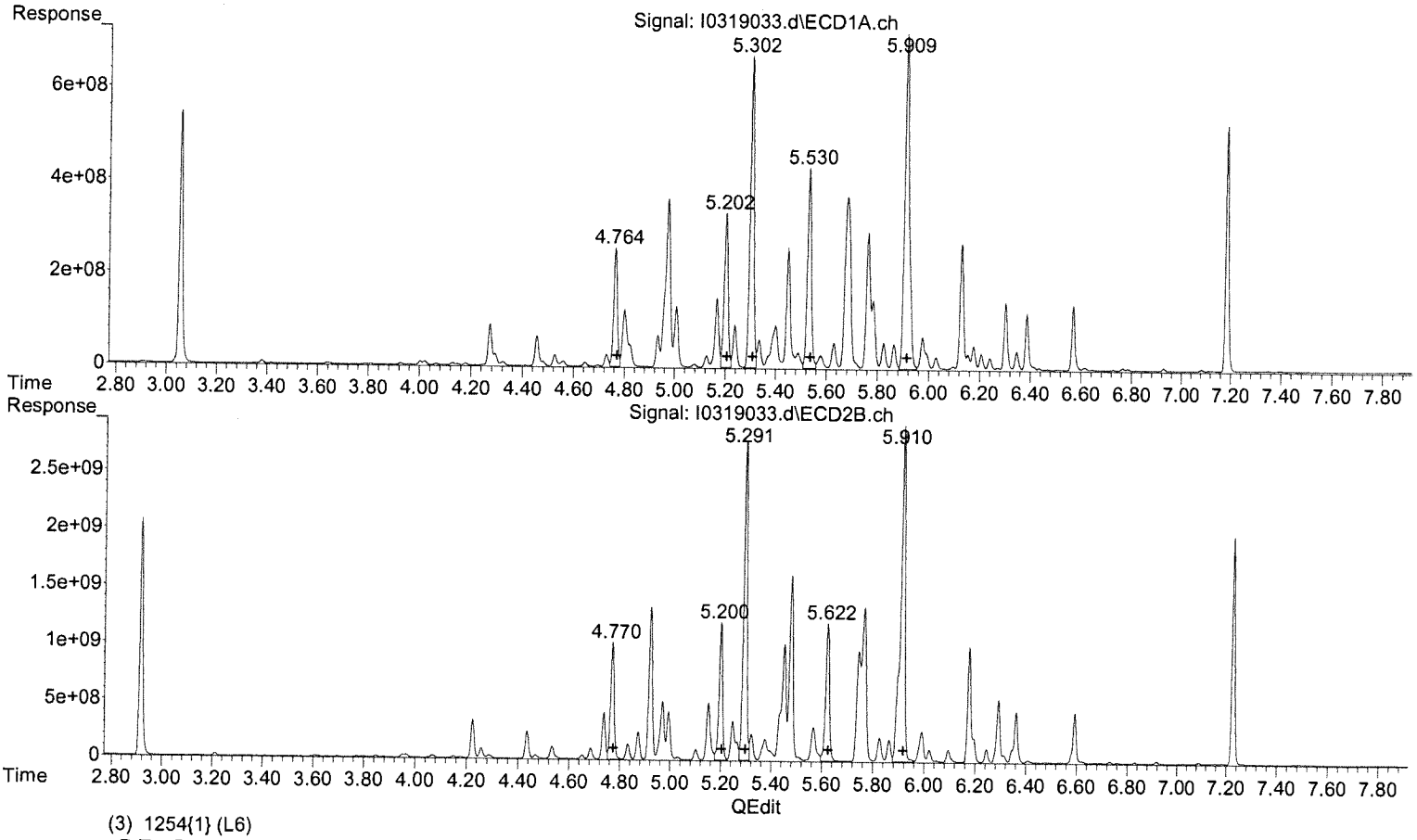
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319033.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 3:56 pm
Operator : JMB
Sample : 21C0909-04@TBA Inst : ECD 9
Misc :
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 17:22:51 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	2560713662	2391.06
5.20	3577451931	3040.36
5.30	6936424555	3654.59
5.53	4683191734	3222.41
5.91	9398144578	4681.93

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	10183124485	2474.90
5.20	11884651316	3286.56
5.30	24494727407	3862.81
5.62	12582191862	3999.94
5.92	32685716689	4772.31

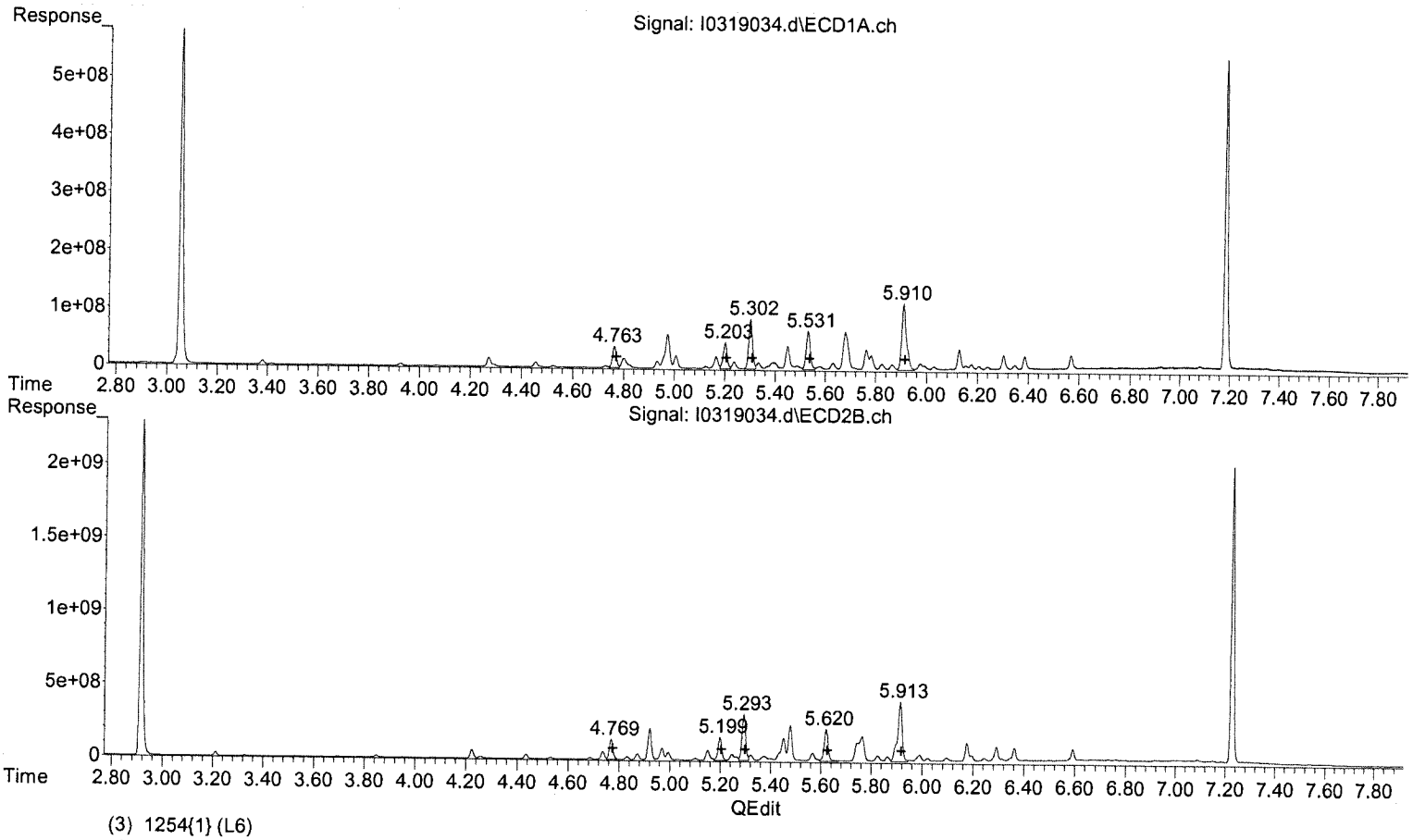
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319034.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 4:13 pm
Operator : JMB
Sample : 21C0909-05@TBA Inst : ECD 9
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 17:36:12 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	390823369	364.93
5.20	500899834	425.70
5.30	904187199	476.39
5.53	763868167	525.60
5.91	1533294935	763.85

(3) 1254{1}#2 (L6)

R.T.	Response	Conc
4.77	1382153316	335.92
5.20	1601887329	442.98
5.29	3180454617	501.56
5.62	2344450885	745.31
5.91	5318102849	776.47

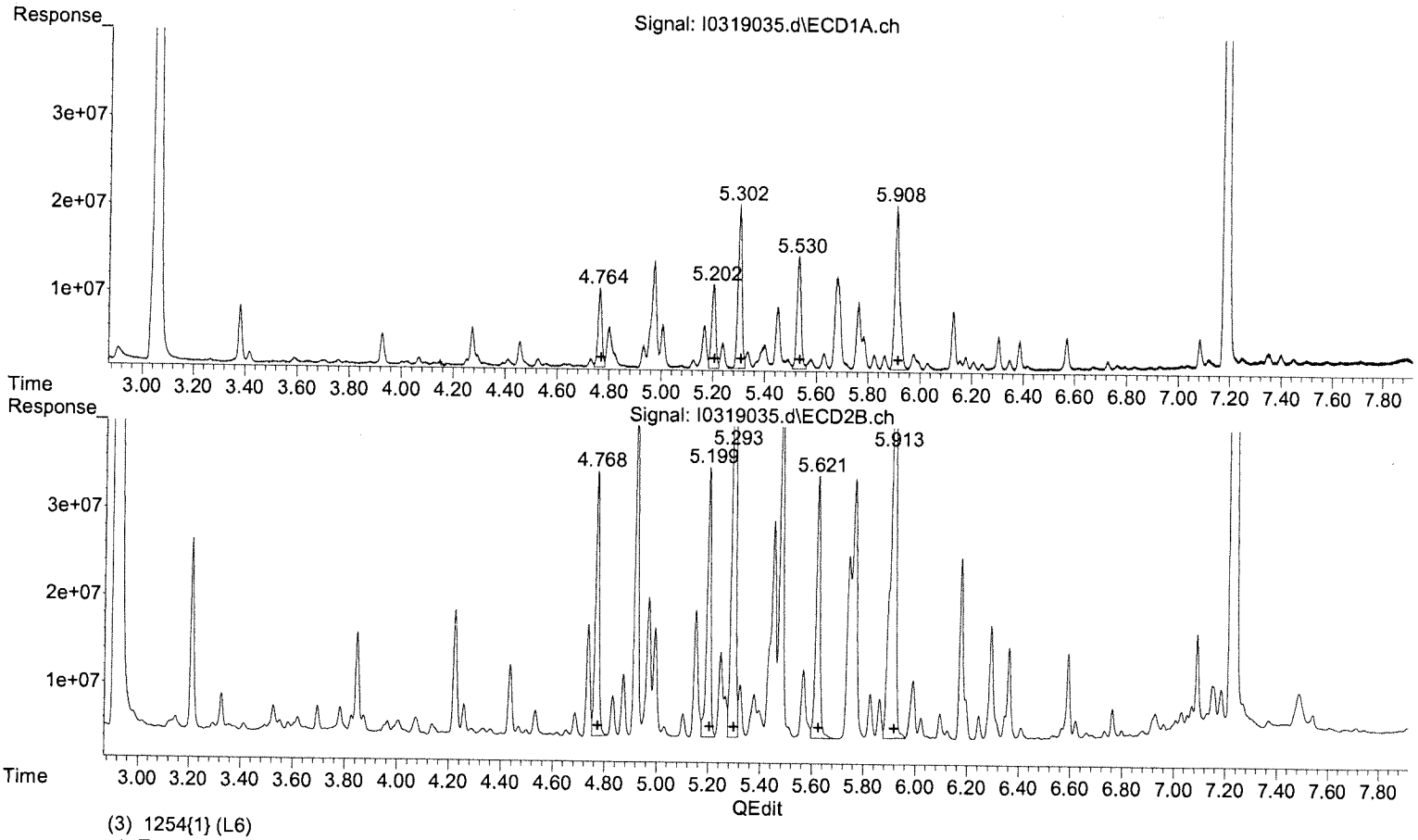
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319035.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 4:31 pm
Operator : JMB
Sample : 21C0909-06@TBA Inst : ECD 9
Misc :
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 19:55:37 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	94575752	88.31
5.20	107958778	91.75
5.30	198664586	104.67
5.53	145694528	100.25
5.91	240735031	119.93

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	304640492	74.04
5.20	316092372	87.41
5.29	659051297	103.93
5.62	325453193	103.46
5.91	758228250	110.71

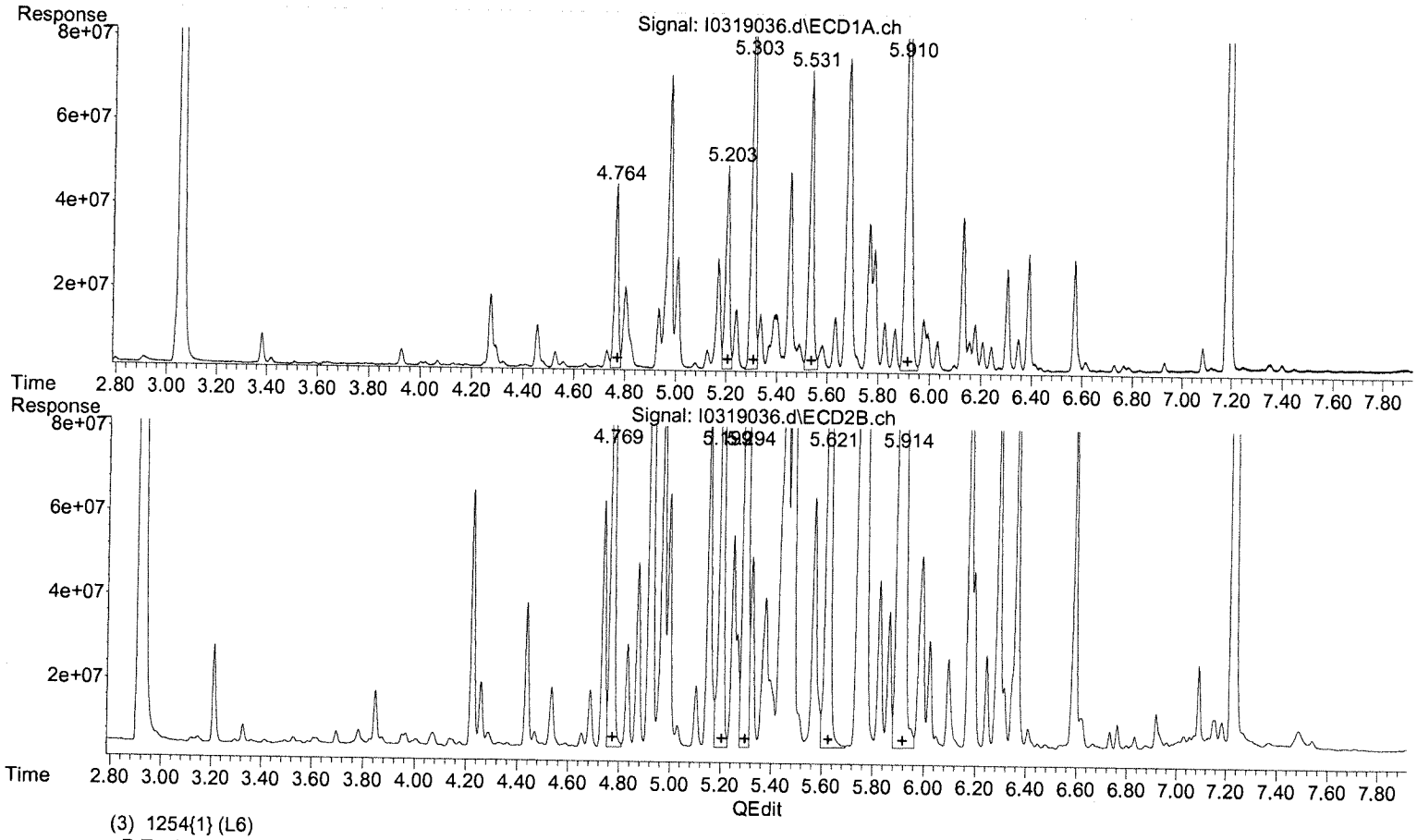
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319036.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 4:48 pm
Operator : JMB
Sample : 21C0909-07@TBA Inst : ECD 9
Misc :
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 19:55:41 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	450303968	420.47
5.20	532168868	452.27
5.30	1038604577	547.21
5.53	796424054	548.00
5.91	1655077357	824.52

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	1623889252	394.67
5.20	1809880077	500.50
5.29	3709286272	584.95
5.62	2580388080	820.32
5.91	5751234469	839.71

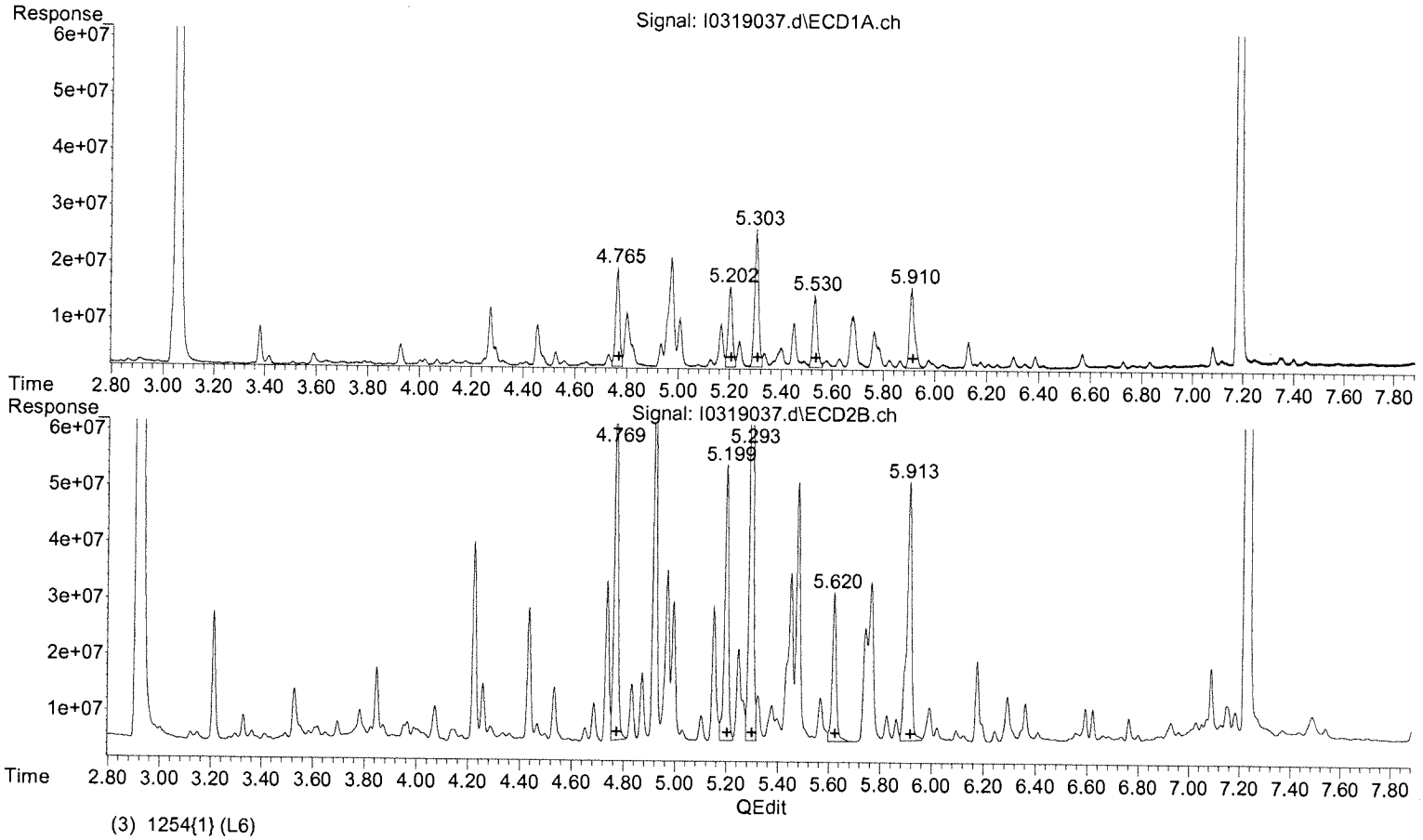
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319037.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 5:05 pm
Operator : JMB
Sample : 21C0909-08@TBA Inst : ECD 9
Misc :
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 10:24:09 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	184725438	172.49
5.20	161406228	137.17
5.30	267733353	141.06
5.53	155463240	106.97
5.91	187004148	93.16

(3) 1254{1}#2 (L6)

R.T.	Response	Conc
4.77	658230791	159.98
5.20	511412383	141.43
5.29	933040471	147.14
5.62	296462171	94.25
5.91	620647114	90.62

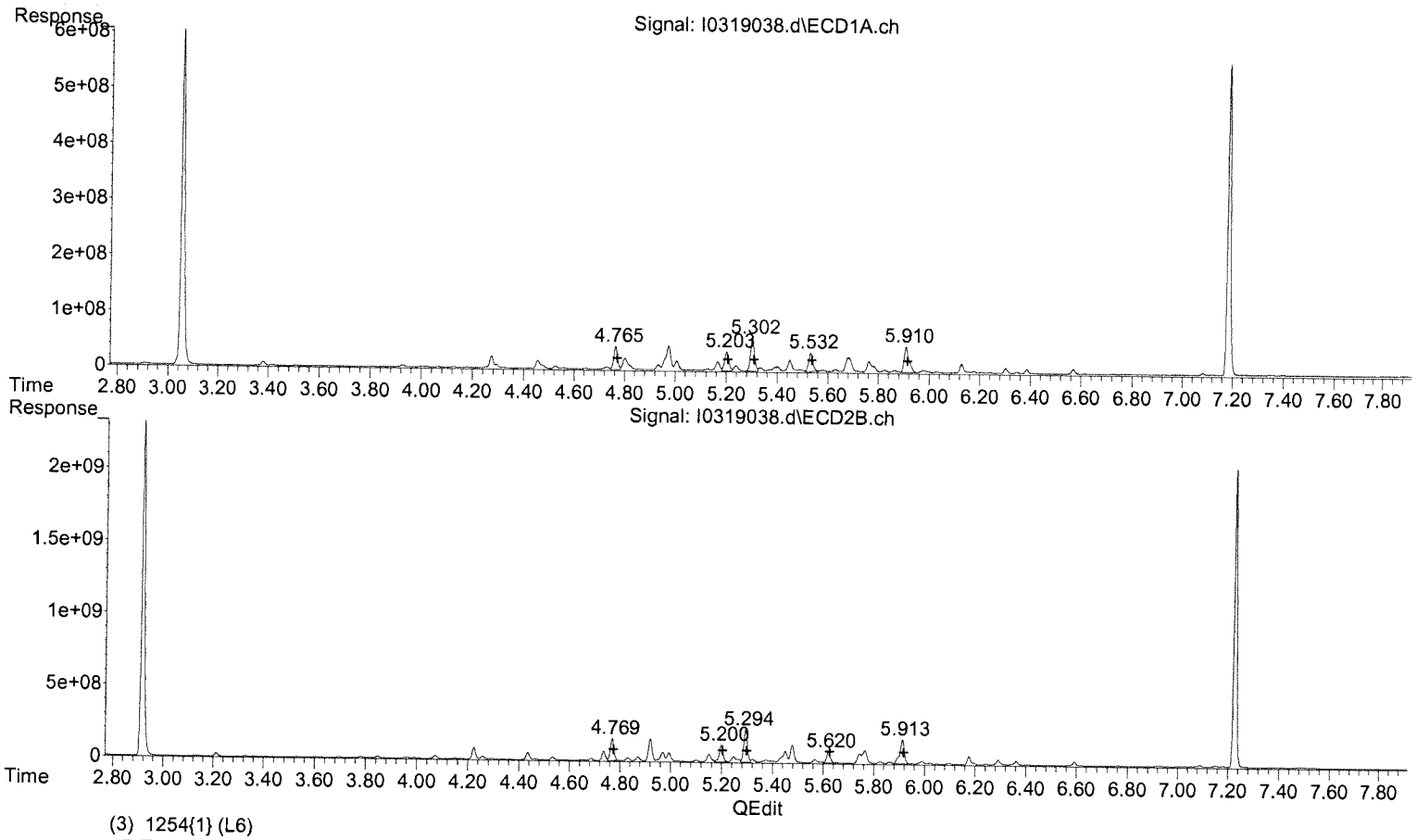
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319038.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 5:23 pm
Operator : JMB
Sample : 21C0909-09@TBA Inst : ECD 9
Misc :
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 10:34:15 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	435963896	407.08
5.20	396224933	336.74
5.30	637456476	335.86
5.53	396197799	272.62
5.91	610960355	304.37

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	1554865005	377.89
5.20	1226264896	339.11
5.29	2242060113	353.57
5.62	872584541	277.40
5.91	2133599988	311.52

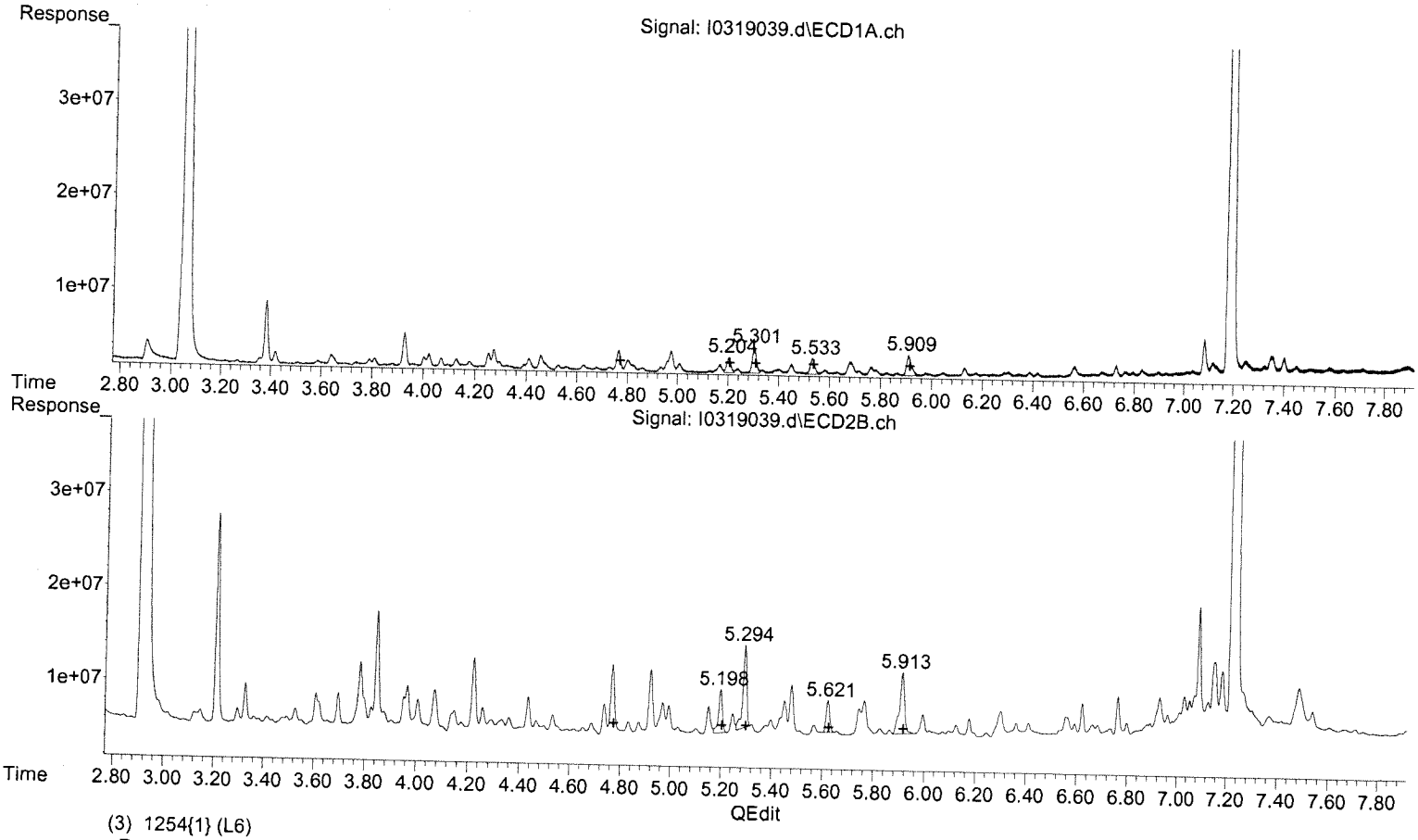
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 10:35:52 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319039.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 5:40 pm
Operator : JMB
Sample : 21C0909-10@TBA Inst : ECD 9
Misc :
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 05:38:33 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
0.00	0	0.00
5.20	18571439	15.78
5.30	31161410	16.42
5.53	20783556	14.30
5.91	29743061	14.82

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
0.00	0	0.00
5.20	51548513	14.26
5.29	94472435	14.90
5.62	32694636	10.39
5.91	88434771	12.91

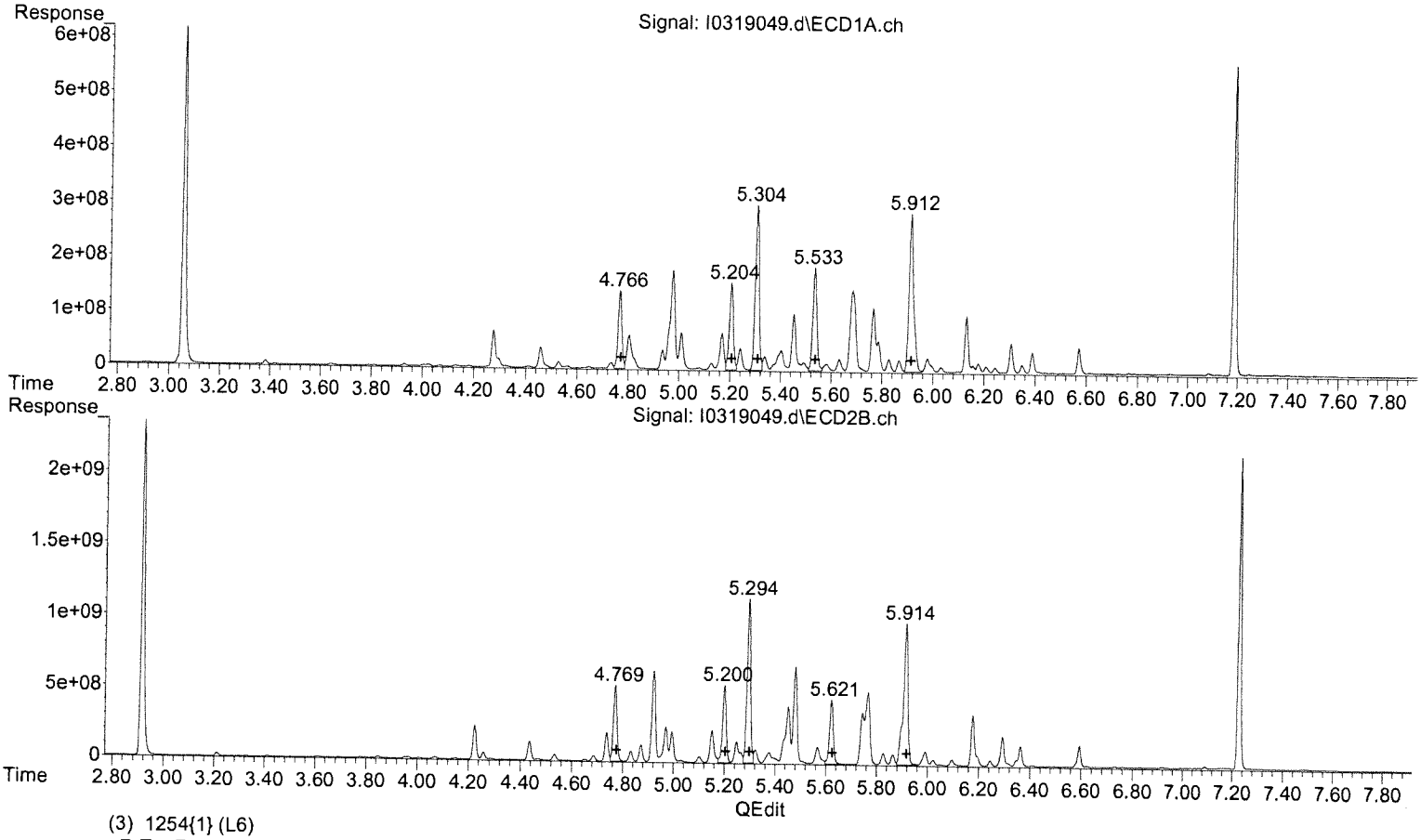
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319049.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 8:05 pm
Operator : JMB
Sample : 21C0909-11@TBA Inst : ECD 9
Misc :
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 21:24:15 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.77	1476211559	1378.41
5.21	1698997663	1443.93
5.30	3132158327	1650.24
5.53	2092346181	1439.70
5.91	3648047731	1817.37

(3) 1254{1}#2 (L6)

R.T.	Response	Conc
4.77	5317933158	1292.47
5.20	5466631305	1511.73
5.29	11177890769	1762.75
5.62	4737095399	1505.95
5.91	12658997562	1848.29

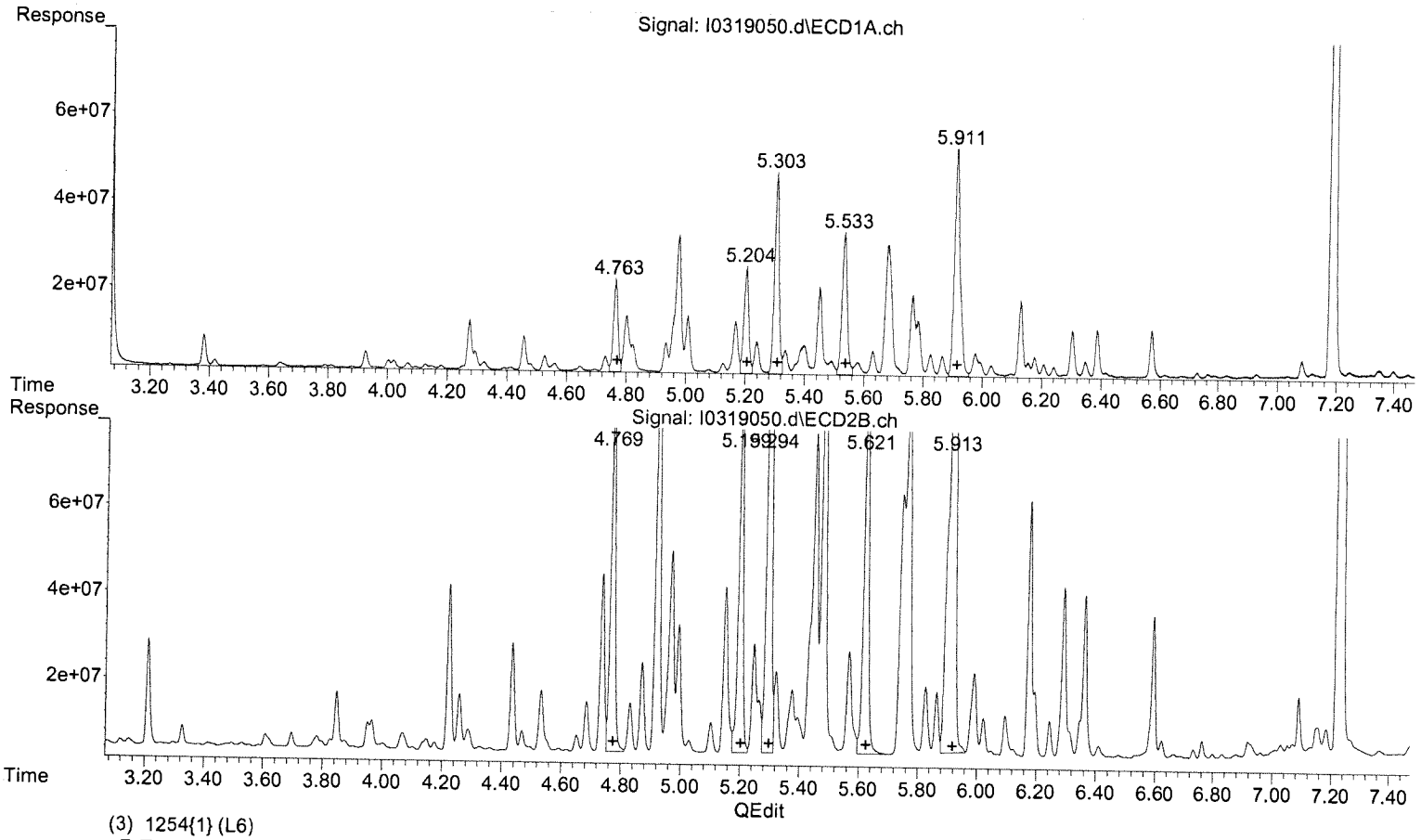
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 06:23:31 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319050.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 8:22 pm
Operator : JMB
Sample : 21C0909-12@TBA Inst : ECD 9
Misc :
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 21:45:32 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	224641505	209.76
5.20	276792023	235.24
5.30	499339516	263.09
5.53	397524563	273.53
5.91	710951997	354.18

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	877865010	213.36
5.20	870251011	240.66
5.29	1744212497	275.06
5.62	1047864101	333.12
5.91	2391703118	349.20

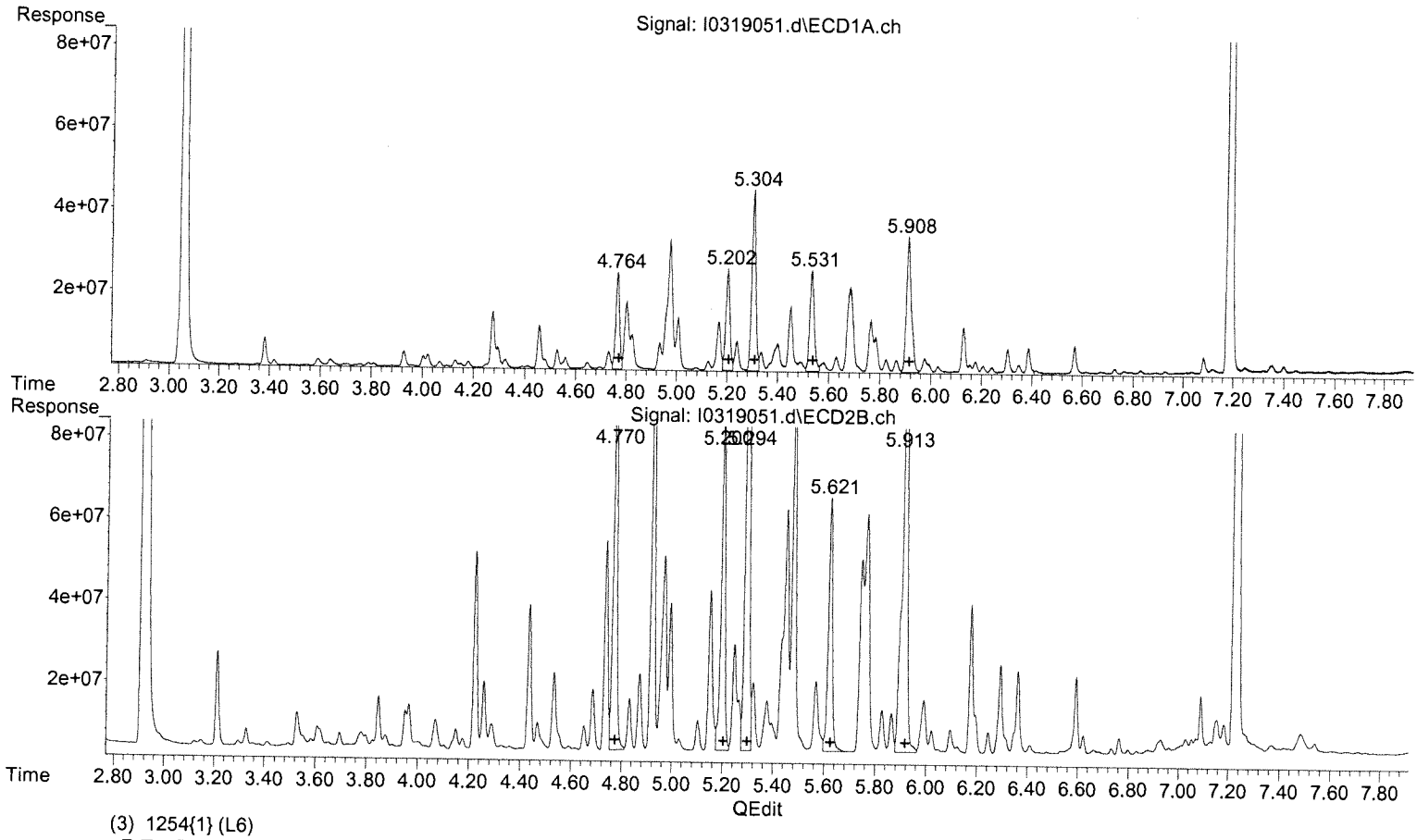
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 06:24:51 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319051.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 8:39 pm
Operator : JMB
Sample : 21C0909-13@TBA Inst : ECD 9
Misc :
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:21 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	252362927	235.64
5.20	281816226	239.51
5.30	485786518	255.95
5.53	300887496	207.03
5.91	451637124	224.99

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	1029938223	250.32
5.20	910703959	251.84
5.29	1730385429	272.88
5.62	686378433	218.20
5.91	1543874743	225.41

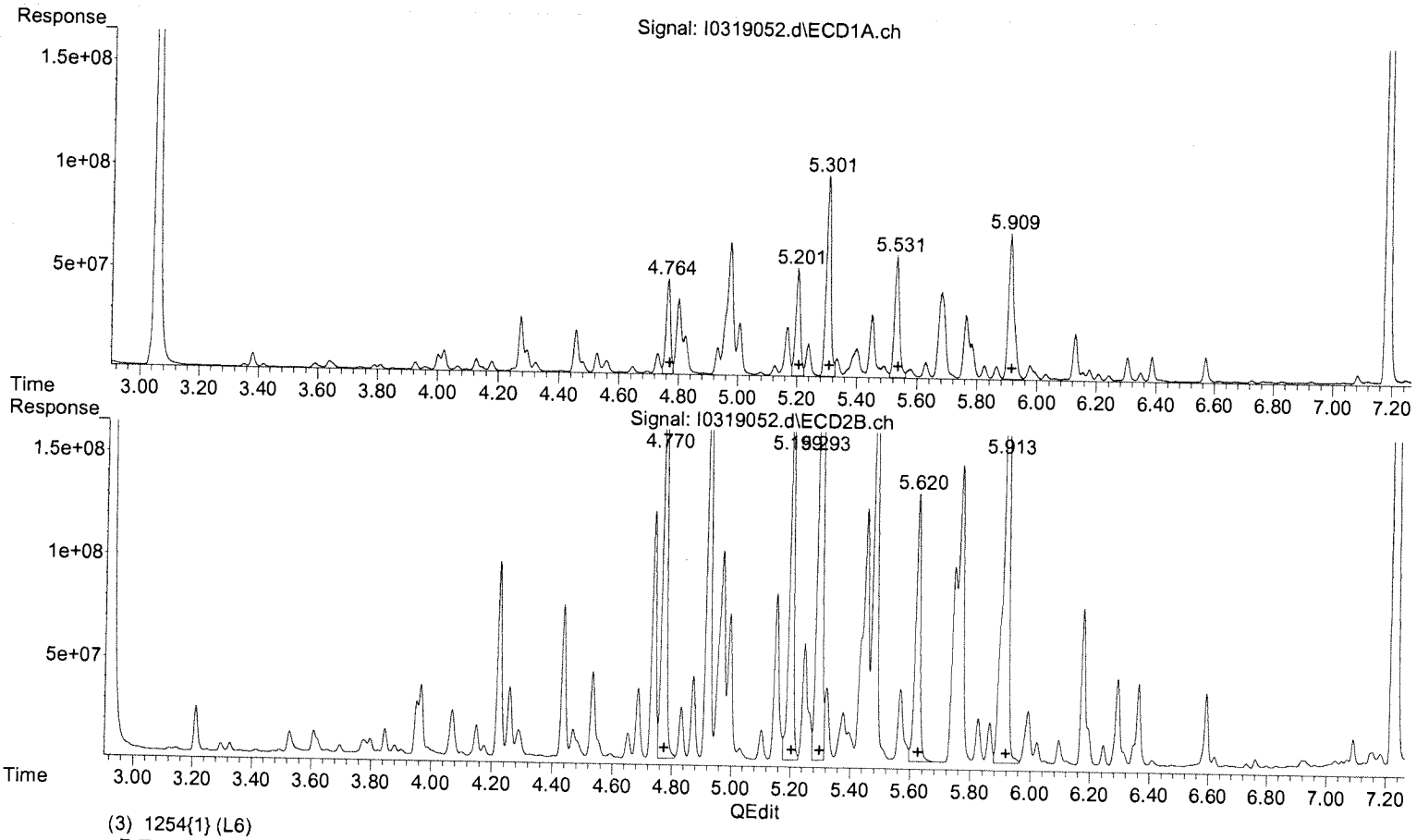
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319052.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 8:57 pm
Operator : JMB
Sample : 21C0909-14@TBA Inst : ECD 9
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:25 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	476217647	444.67
5.20	578812248	491.91
5.30	1057522724	557.18
5.53	693016678	476.85
5.91	939142013	467.86

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	2136448042	519.24
5.20	1926781006	532.83
5.29	3741556084	590.04
5.62	1420301169	451.52
5.91	3284338821	479.53

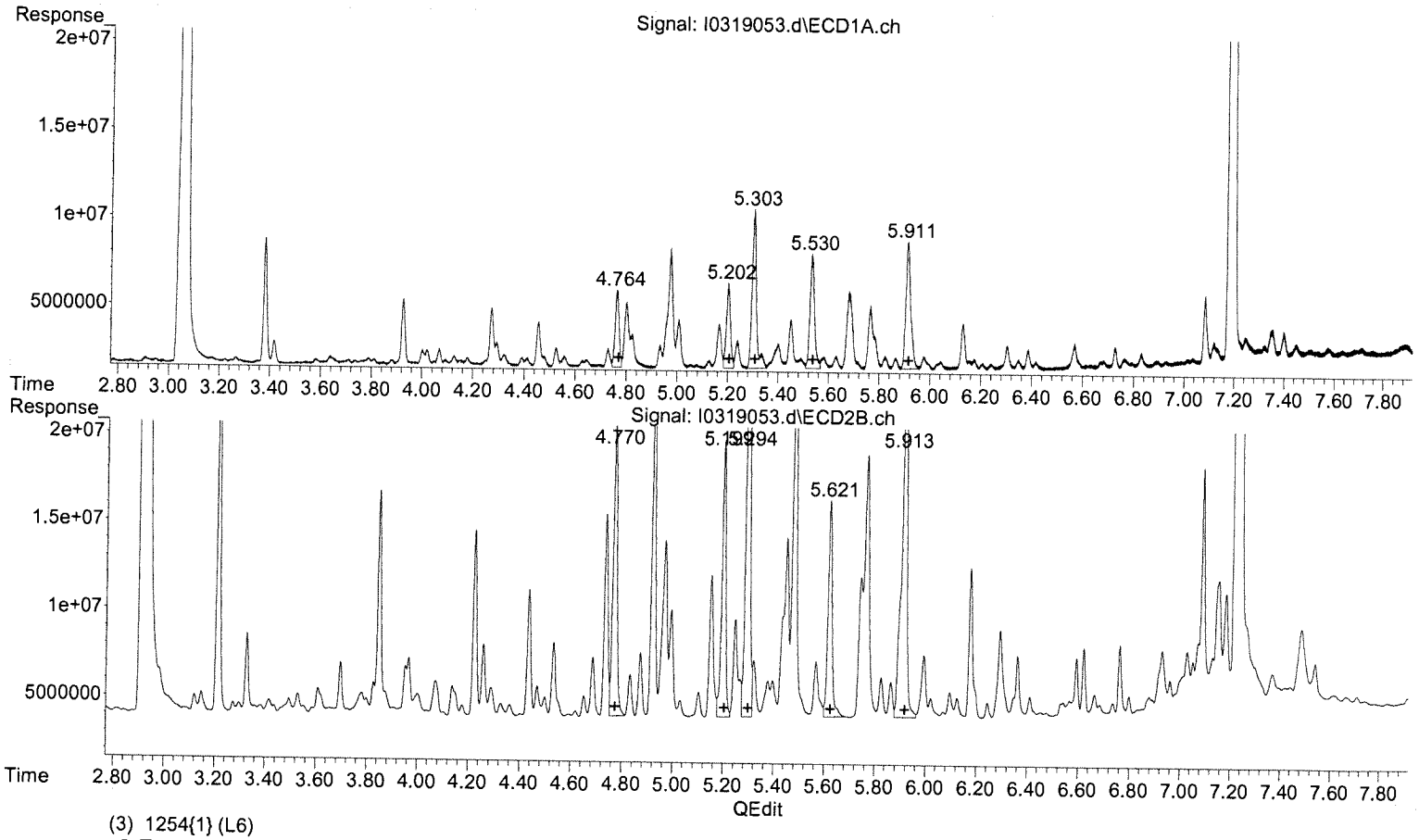
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319053.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 9:14 pm
Operator : JMB
Sample : 21C0909-15@TBA Inst : ECD 9
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:29 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	46408198	43.33
5.20	54155899	46.03
5.30	108988018	57.42
5.53	82201725	56.56
5.91	98486551	49.06

(3) 1254{1} #2 (L6)

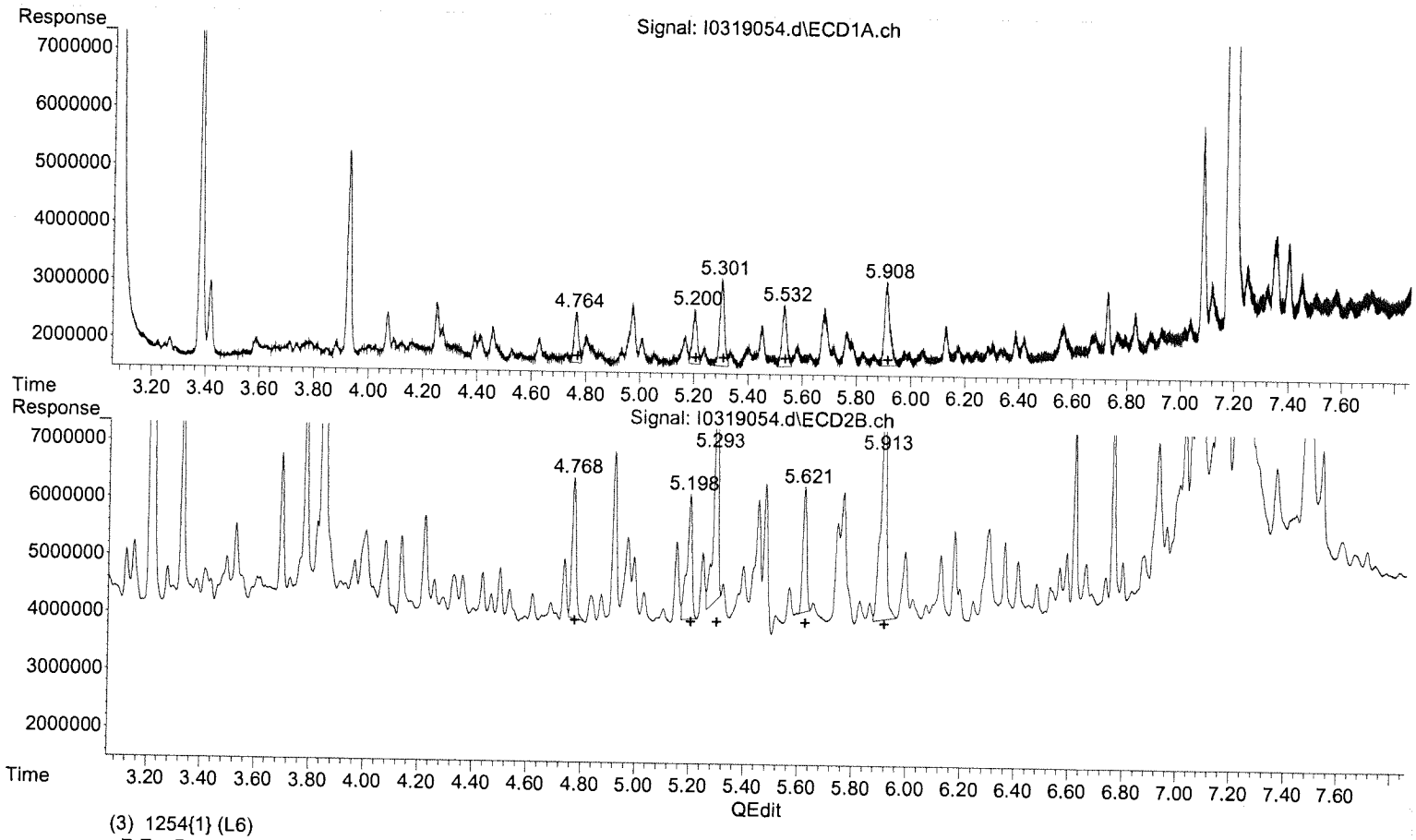
R.T.	Response	Conc
4.77	187482274	45.57
5.20	167878362	46.42
5.29	336266275	53.03
5.62	145205777	46.16
5.91	322395931	47.07

(+) = Expected Retention Time

Data Path : C:\msdchem\1\data\031921\
Data File : I0319054.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 9:32 pm
Operator : JMB
Sample : 21C0909-16@TBA Inst : ECD 9
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:33 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	9831402	9.18
5.20	10976172	9.33
5.30	18453209	9.72
5.53	13843196	9.53
5.91	20389368	10.16

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	25647835	6.23
5.20	28374820	7.85
5.29	48473030	7.64
5.62	21407351	6.81
5.91	60076749	8.77

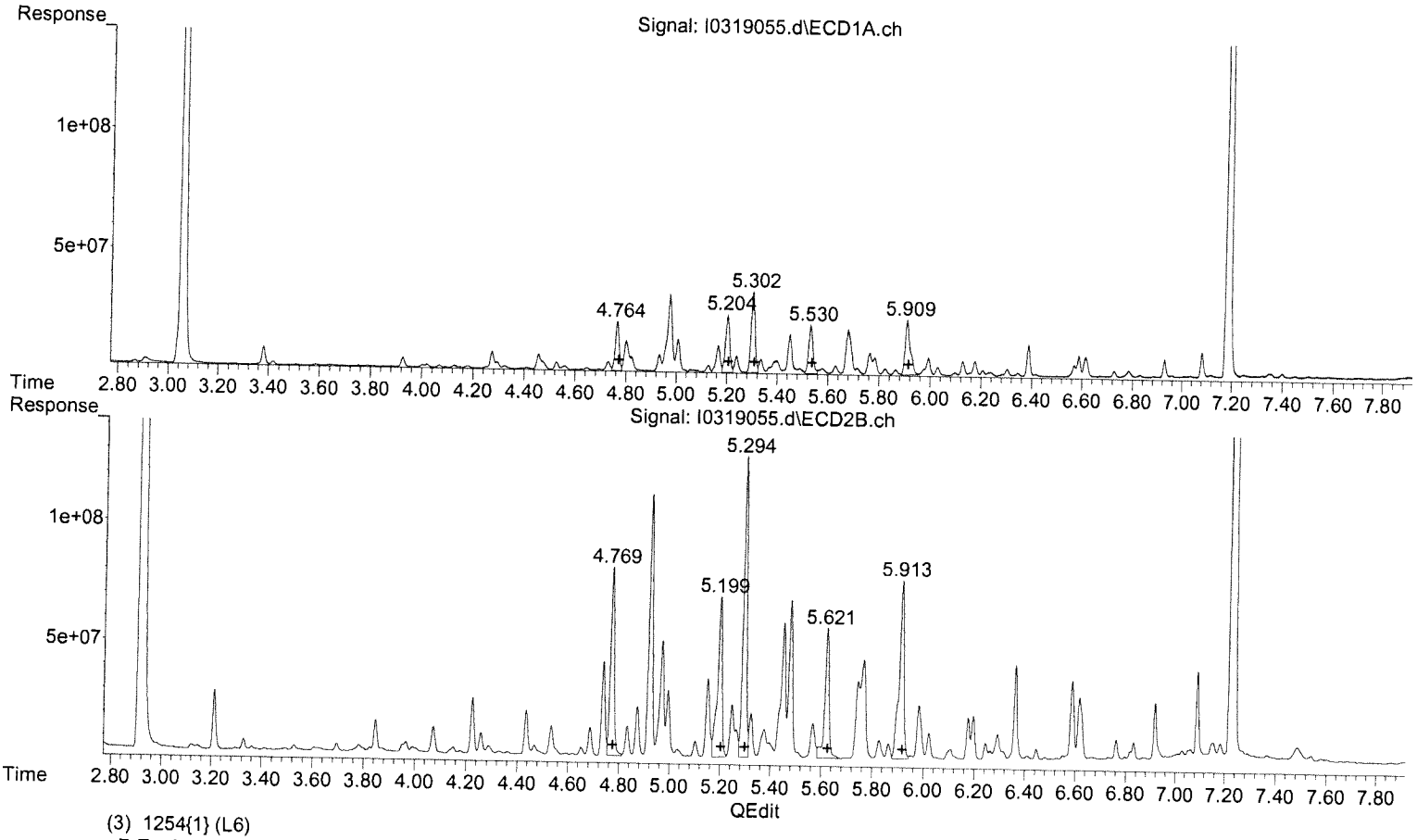
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 06:39:44 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319055.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 9:49 pm
Operator : JMB
Sample : 21C0909-17@TBA Inst : ECD 9
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:37 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	218299782	203.84
5.20	273616832	232.54
5.30	372935528	196.49
5.53	234171797	161.13
5.91	311992323	155.43

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	820583781	199.43
5.20	841502011	232.71
5.29	1228125283	193.67
5.62	633279706	201.32
5.91	976566289	142.58

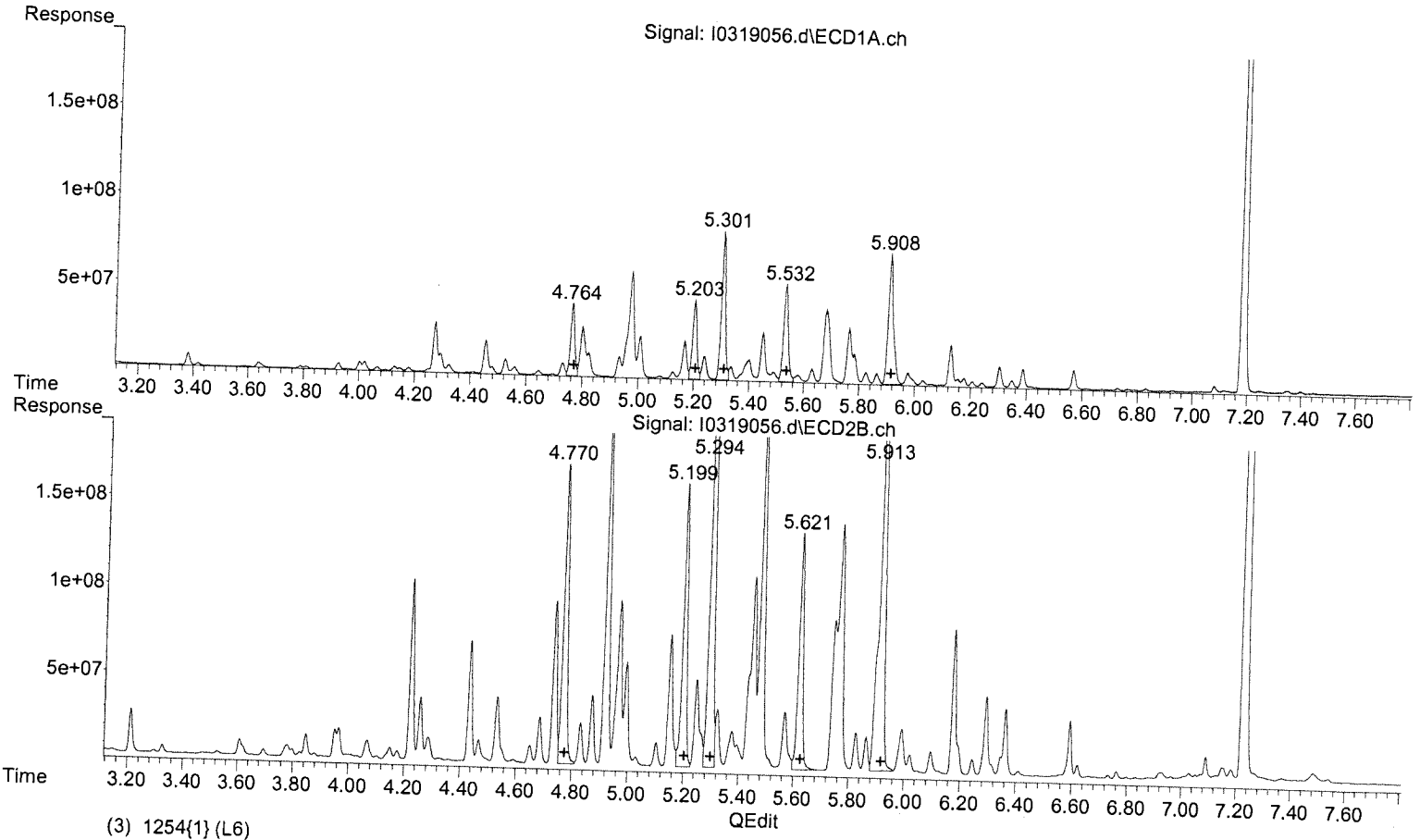
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 06:48:37 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319056.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 10:06 pm
Operator : JMB
Sample : 21C0909-18@TBA
Misc :
Inst : ECD 9
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:41 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	433474920	404.76
5.20	490726677	417.05
5.30	903473527	476.01
5.53	657037061	452.09
5.91	963541690	480.01

(3) 1254{1} #2 (L6)

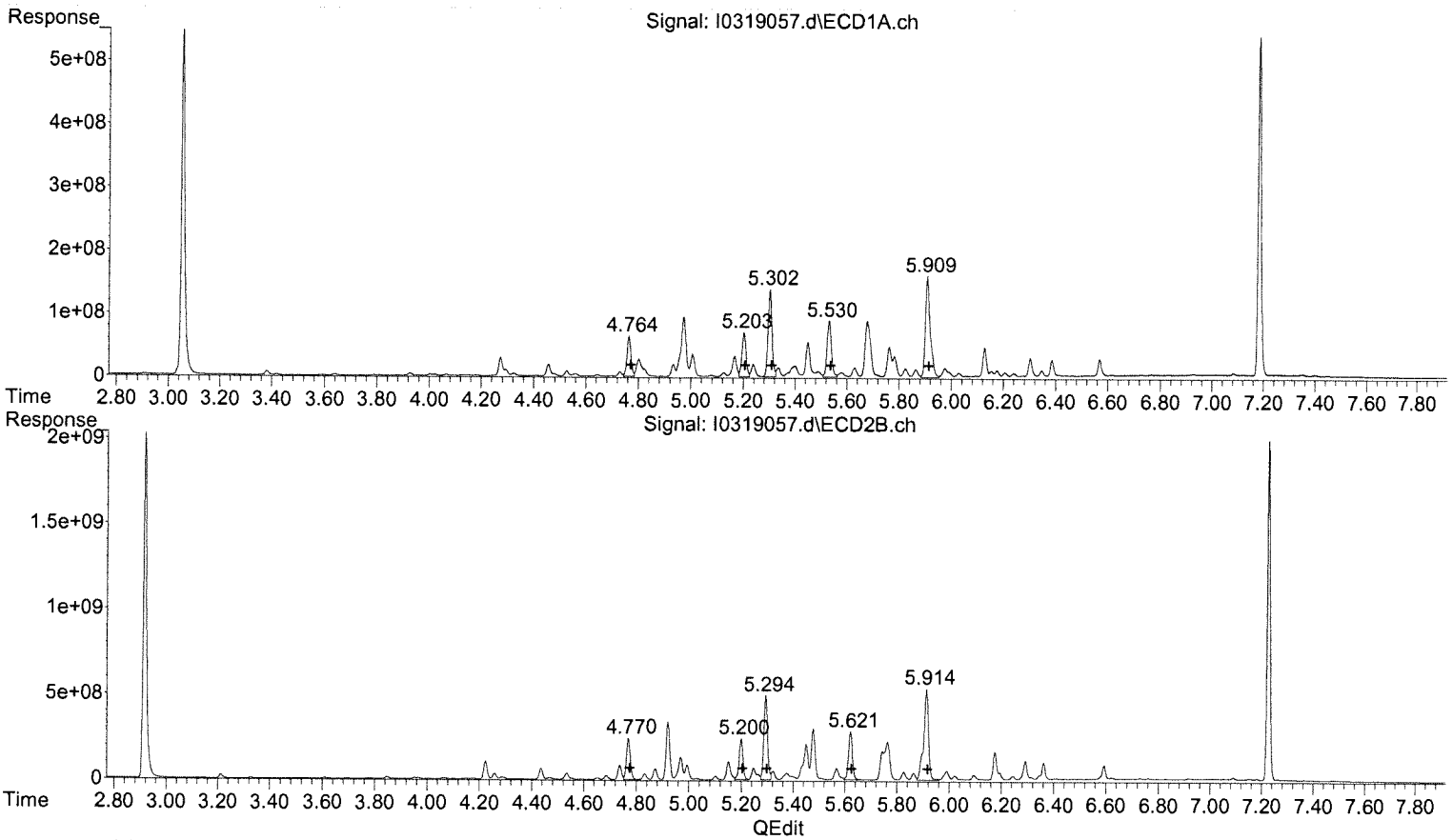
R.T.	Response	Conc
4.77	1811690226	440.31
5.20	1640875779	453.77
5.29	3196372287	504.07
5.62	1445203284	459.44
5.91	3247629812	474.17

(+) = Expected Retention Time

Data Path : C:\msdchem\1\data\031921\
Data File : I0319057.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 10:24 pm
Operator : JMB
Sample : 21C0909-19@TBA Inst : ECD 9
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:45 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	665184351	621.11
5.20	775633500	659.19
5.30	1447623457	762.71
5.53	1026133631	706.06
5.91	2069179638	1030.82

(3) 1254{1} #2 (L6)

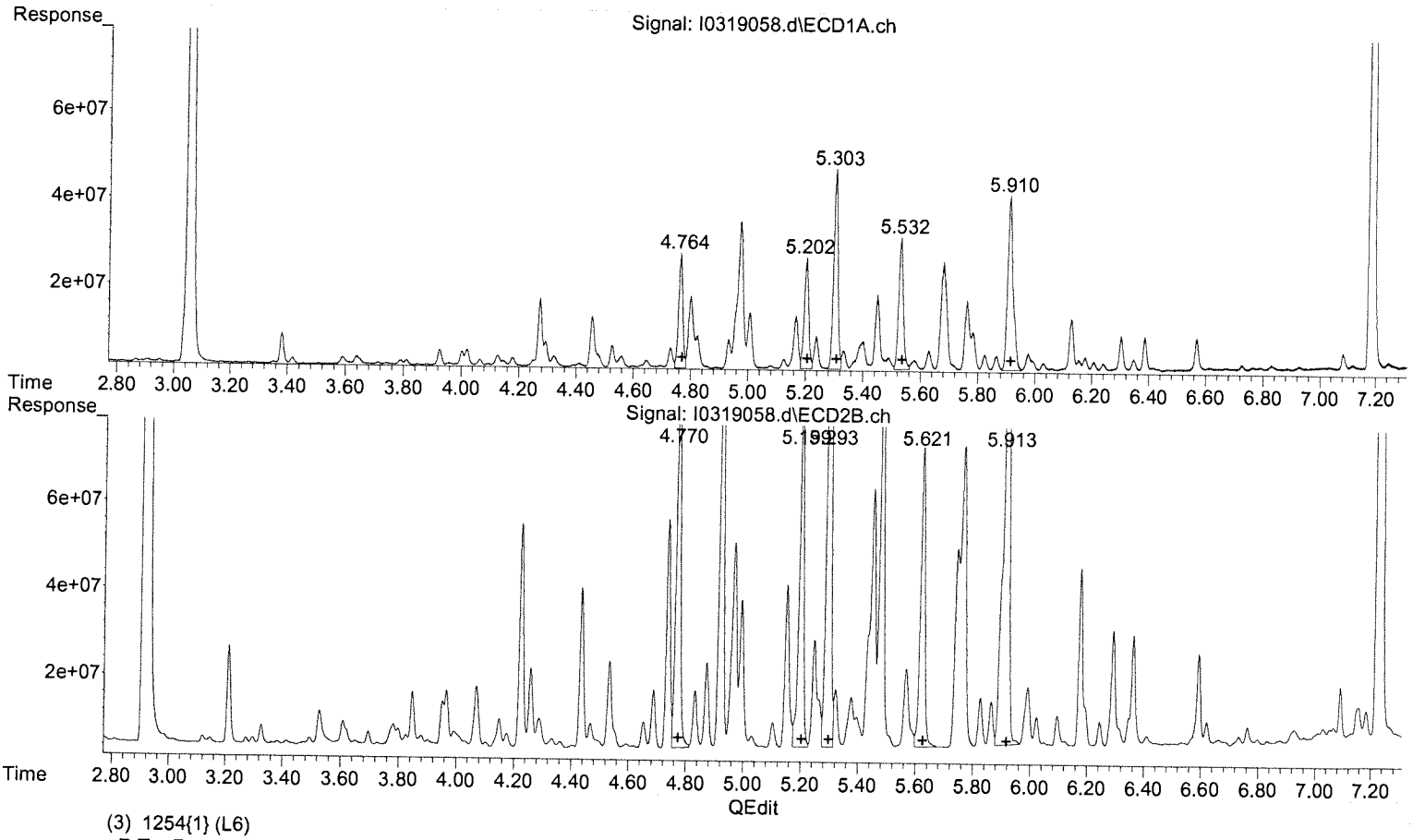
R.T.	Response	Conc
4.77	2493074279	605.91
5.20	2472422391	683.72
5.29	4987896844	786.59
5.62	2989052890	950.24
5.91	6973226306	1018.13

(+) = Expected Retention Time

Data Path : C:\msdchem\1\data\031921\
Data File : I0319058.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 10:41 pm
Operator : JMB
Sample : 21C0909-20@TBA Inst : ECD 9
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:49 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	268709448	250.91
5.20	274245843	233.07
5.30	479869122	252.83
5.53	343333105	236.24
5.91	531120655	264.59

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	960535886	233.45
5.20	876233349	242.31
5.29	1616318355	254.89
5.62	750340514	238.54
5.91	1767831907	258.11

(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 07:04:54 2021

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March 22, 2021

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

Project Location: 52 Institue Rd, Burlington, VT
Client Job Number:
Project Number: 280BS01563 Phase 012
Laboratory Work Order Number: 21C0909

Enclosed are results of analyses for samples received by the laboratory on March 17, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michelle M. Koch
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: Jesse Stratton

REPORT DATE: 3/22/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Phase 012

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21C0909

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

PROJECT LOCATION: 52 Institue Rd, Burlington, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
210315.A68.124-1028	21C0909-01	Bulk		SW-846 8082A	
210315.A60.124-1030	21C0909-02	Bulk		SW-846 8082A	
210315.A43.124-1032	21C0909-03	Bulk		SW-846 8082A	
210315.A2012.124-1034	21C0909-04	Bulk		SW-846 8082A	
210315.A28.124-1036	21C0909-05	Bulk		SW-846 8082A	
210315.A109.124-1038	21C0909-06	Bulk		SW-846 8082A	
210315.A2010.124-1040	21C0909-07	Bulk		SW-846 8082A	
210315.A2008.124-1042	21C0909-08	Bulk		SW-846 8082A	
210315.A135.124-1044	21C0909-09	Bulk		SW-846 8082A	
210316.A30.125-1046	21C0909-10	Bulk		SW-846 8082A	
210316.A32.125-1048	21C0909-11	Bulk		SW-846 8082A	
210316.A100.125-1050	21C0909-12	Bulk		SW-846 8082A	
210316.A142.125-1052	21C0909-13	Bulk		SW-846 8082A	
210316.A40.125-1053	21C0909-14	Bulk		SW-846 8082A	
210316.A138.125-1054	21C0909-15	Bulk		SW-846 8082A	
210316.A140.125-1056	21C0909-16	Bulk		SW-846 8082A	
210316.A2003.125-1058	21C0909-17	Bulk		SW-846 8082A	
210316.A55.125-1061	21C0909-18	Bulk		SW-846 8082A	
210316.A114.125-1063	21C0909-19	Bulk		SW-846 8082A	
210316.A112.125-1065	21C0909-20	Bulk		SW-846 8082A	
210316.A116.125-1069	21C0909-21	Bulk		SW-846 8082A	
210316.A2011.125-1071	21C0909-22	Bulk		SW-846 8082A	
210316.A144.125-1060	21C0909-23	Bulk		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.

REVISED REPORT - per client - correct sample ID for sample -18 3/22/21 mmk

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.

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

Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A68.124-1028 Sampled: 3/15/2021 10:24

Sample ID: 21C0909-01

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.9	30-150		3/19/21 15:03
Decachlorobiphenyl [2]	96.8	30-150		3/19/21 15:03
Tetrachloro-m-xylene [1]	79.8	30-150		3/19/21 15:03
Tetrachloro-m-xylene [2]	86.4	30-150		3/19/21 15:03

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A60.124-1030 Sampled: 3/15/2021 10:52

Sample ID: 21C0909-02

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1221 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1232 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1242 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1248 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1254 [2]	19	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1260 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1262 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1268 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	106	30-150		3/20/21	0:03
Decachlorobiphenyl [2]	107	30-150		3/20/21	0:03
Tetrachloro-m-xylene [1]	92.5	30-150		3/20/21	0:03
Tetrachloro-m-xylene [2]	96.8	30-150		3/20/21	0:03

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

Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A43.124-1032 Sampled: 3/15/2021 11:21

Sample ID: 21C0909-03

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1221 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1232 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1242 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1248 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1254 [2]	9.6	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1260 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1262 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1268 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.2	30-150		3/20/21 0:16
Decachlorobiphenyl [2]	99.7	30-150		3/20/21 0:16
Tetrachloro-m-xylene [1]	90.2	30-150		3/20/21 0:16
Tetrachloro-m-xylene [2]	96.1	30-150		3/20/21 0:16

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A2012.124-1034 Sampled: 3/15/2021 11:42

Sample ID: 21C0909-04

Sample Matrix: Bulk

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	3/18/21	3/20/21 0:28	JMB
Aroclor-1221 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB
Aroclor-1232 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB
Aroclor-1242 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB
Aroclor-1248 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB
Aroclor-1254 [2]	22	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB
Aroclor-1260 [1]	2.9	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB
Aroclor-1262 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB
Aroclor-1268 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	102	30-150		3/20/21	0:28
Decachlorobiphenyl [2]	101	30-150		3/20/21	0:28
Tetrachloro-m-xylene [1]	85.8	30-150		3/20/21	0:28
Tetrachloro-m-xylene [2]	90.6	30-150		3/20/21	0:28

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Project Location: 52 Institue Rd, Burlington, VT | Sample Description: | Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A28.124-1036 | Sampled: 3/15/2021 13:23

Sample ID: 21C0909-05

Sample Matrix: Bulk

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	3/18/21	3/20/21 0:40	JMB
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB
Aroclor-1254 [2]	3.1	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.4	30-150		3/20/21 0:40
Decachlorobiphenyl [2]	99.2	30-150		3/20/21 0:40
Tetrachloro-m-xylene [1]	89.0	30-150		3/20/21 0:40
Tetrachloro-m-xylene [2]	93.5	30-150		3/20/21 0:40

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Project Location: 52 Institue Rd, Burlington, VT | Sample Description: | Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A109.124-1038 | Sampled: 3/15/2021 14:38

Sample ID: 21C0909-06

Sample Matrix: Bulk

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	3/18/21	3/19/21 16:31	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB
Aroclor-1254 [1]	0.50	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.7	30-150		3/19/21 16:31
Decachlorobiphenyl [2]	91.2	30-150		3/19/21 16:31
Tetrachloro-m-xylene [1]	79.4	30-150		3/19/21 16:31
Tetrachloro-m-xylene [2]	84.1	30-150		3/19/21 16:31

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Project Location: 52 Institue Rd, Burlington, VT | Sample Description: | Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A2010.124-1040 | Sampled: 3/15/2021 14:58

Sample ID: 21C0909-07

Sample Matrix: Bulk

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	3/18/21	3/20/21 0:53	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB
Aroclor-1254 [2]	3.3	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	94.2	30-150		3/20/21	0:53
Decachlorobiphenyl [2]	95.7	30-150		3/20/21	0:53
Tetrachloro-m-xylene [1]	85.7	30-150		3/20/21	0:53
Tetrachloro-m-xylene [2]	89.9	30-150		3/20/21	0:53

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Project Location: 52 Institue Rd, Burlington, VT | Sample Description: | Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A2008.124-1042 | Sampled: 3/15/2021 15:18

Sample ID: 21C0909-08

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1254 [1]	0.62	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.6	30-150		3/19/21 17:05
Decachlorobiphenyl [2]	97.0	30-150		3/19/21 17:05
Tetrachloro-m-xylene [1]	84.1	30-150		3/19/21 17:05
Tetrachloro-m-xylene [2]	88.6	30-150		3/19/21 17:05

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Project Location: 52 Institue Rd, Burlington, VT | Sample Description: | Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A135.124-1044 | Sampled: 3/15/2021 15:33

Sample ID: 21C0909-09

Sample Matrix: Bulk

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	3/18/21	3/19/21 17:23	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB
Aroclor-1254 [2]	1.6	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.2	30-150		3/19/21 17:23
Decachlorobiphenyl [2]	103	30-150		3/19/21 17:23
Tetrachloro-m-xylene [1]	86.6	30-150		3/19/21 17:23
Tetrachloro-m-xylene [2]	90.7	30-150		3/19/21 17:23

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Project Location: 52 Institue Rd, Burlington, VT | Sample Description: | Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A30.125-1046 | Sampled: 3/15/2021 08:29

Sample ID: 21C0909-10

Sample Matrix: Bulk

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	3/18/21	3/19/21 17:40	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.6	30-150		3/19/21 17:40
Decachlorobiphenyl [2]	99.9	30-150		3/19/21 17:40
Tetrachloro-m-xylene [1]	81.8	30-150		3/19/21 17:40
Tetrachloro-m-xylene [2]	86.1	30-150		3/19/21 17:40

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Project Location: 52 Institue Rd, Burlington, VT | Sample Description: | Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A32.125-1048 | Sampled: 3/16/2021 08:36

Sample ID: 21C0909-11

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1221 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1232 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1242 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1248 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1254 [2]	8.9	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1260 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1262 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1268 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	98.2	30-150		3/20/21	1:05
Decachlorobiphenyl [2]	99.6	30-150		3/20/21	1:05
Tetrachloro-m-xylene [1]	92.7	30-150		3/20/21	1:05
Tetrachloro-m-xylene [2]	98.8	30-150		3/20/21	1:05

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Project Location: 52 Institue Rd, Burlington, VT | Sample Description: | Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A100.125-1050 | Sampled: 3/16/2021 08:53

Sample ID: 21C0909-12

Sample Matrix: Bulk

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	3/18/21	3/19/21 20:22	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB
Aroclor-1254 [2]	1.4	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		3/19/21 20:22
Decachlorobiphenyl [2]	108	30-150		3/19/21 20:22
Tetrachloro-m-xylene [1]	85.8	30-150		3/19/21 20:22
Tetrachloro-m-xylene [2]	90.7	30-150		3/19/21 20:22

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Project Location: 52 Institue Rd, Burlington, VT | Sample Description: | Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A142.125-1052 | Sampled: 3/16/2021 09:15

Sample ID: 21C0909-13

Sample Matrix: Bulk

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	3/18/21	3/19/21 20:39	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB
Aroclor-1248 [2]	0.44	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB
Aroclor-1254 [2]	1.2	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.5	30-150		3/19/21 20:39
Decachlorobiphenyl [2]	104	30-150		3/19/21 20:39
Tetrachloro-m-xylene [1]	83.0	30-150		3/19/21 20:39
Tetrachloro-m-xylene [2]	87.4	30-150		3/19/21 20:39

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Project Location: 52 Institue Rd, Burlington, VT | Sample Description: | Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A40.125-1053 | Sampled: 3/16/2021 09:18

Sample ID: 21C0909-14

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1248 [2]	1.1	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1254 [2]	2.8	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	101	30-150		3/20/21	2:21
Decachlorobiphenyl [2]	104	30-150		3/20/21	2:21
Tetrachloro-m-xylene [1]	83.5	30-150		3/20/21	2:21
Tetrachloro-m-xylene [2]	87.5	30-150		3/20/21	2:21

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Project Location: 52 Institue Rd, Burlington, VT | Sample Description: | Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A138.125-1054 | Sampled: 3/16/2021 09:22

Sample ID: 21C0909-15

Sample Matrix: Bulk

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	3/18/21	3/19/21 21:14	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB
Aroclor-1248 [2]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB
Aroclor-1254 [1]	0.25	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.2	30-150		3/19/21 21:14
Decachlorobiphenyl [2]	105	30-150		3/19/21 21:14
Tetrachloro-m-xylene [1]	83.5	30-150		3/19/21 21:14
Tetrachloro-m-xylene [2]	88.7	30-150		3/19/21 21:14

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Project Location: 52 Institue Rd, Burlington, VT | Sample Description: | Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A140.125-1056 | Sampled: 3/16/2021 09:43

Sample ID: 21C0909-16

Sample Matrix: Bulk

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	3/18/21	3/19/21 21:32	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.6	30-150		3/19/21 21:32
Decachlorobiphenyl [2]	99.5	30-150		3/19/21 21:32
Tetrachloro-m-xylene [1]	86.3	30-150		3/19/21 21:32
Tetrachloro-m-xylene [2]	90.3	30-150		3/19/21 21:32

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Project Location: 52 Institue Rd, Burlington, VT | Sample Description: | Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A2003.125-1058 | Sampled: 3/16/2021 10:11

Sample ID: 21C0909-17

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1254 [2]	0.95	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1268 [2]	0.12	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	100	30-150		3/19/21 21:49
Decachlorobiphenyl [2]	103	30-150		3/19/21 21:49
Tetrachloro-m-xylene [1]	91.3	30-150		3/19/21 21:49
Tetrachloro-m-xylene [2]	92.7	30-150		3/19/21 21:49

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A55.125-1061 Sampled: 3/16/2021 12:03

Sample ID: 21C0909-18

Sample Matrix: Bulk

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	3/18/21	3/19/21 22:06	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB
Aroclor-1248 [2]	0.81	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB
Aroclor-1254 [2]	2.3	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB
Aroclor-1260 [2]	0.19	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.8	30-150		3/19/21 22:06
Decachlorobiphenyl [2]	101	30-150		3/19/21 22:06
Tetrachloro-m-xylene [1]	89.5	30-150		3/19/21 22:06
Tetrachloro-m-xylene [2]	91.4	30-150		3/19/21 22:06

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A114.125-1063 Sampled: 3/16/2021 12:38

Sample ID: 21C0909-19

Sample Matrix: Bulk

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	3/18/21	3/20/21 2:38	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB
Aroclor-1254 [2]	4.4	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.8	30-150		3/20/21 2:38
Decachlorobiphenyl [2]	96.9	30-150		3/20/21 2:38
Tetrachloro-m-xylene [1]	83.2	30-150		3/20/21 2:38
Tetrachloro-m-xylene [2]	87.6	30-150		3/20/21 2:38

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A112.125-1065 Sampled: 3/16/2021 12:49

Sample ID: 21C0909-20

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1254 [1]	1.2	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.1	30-150		3/19/21 22:41
Decachlorobiphenyl [2]	102	30-150		3/19/21 22:41
Tetrachloro-m-xylene [1]	86.5	30-150		3/19/21 22:41
Tetrachloro-m-xylene [2]	88.1	30-150		3/19/21 22:41

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Project Location: 52 Institue Rd, Burlington, VT | Sample Description: | Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A116.125-1069 | Sampled: 3/16/2021 13:16

Sample ID: 21C0909-21

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1248 [2]	0.44	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1254 [2]	1.1	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.7	30-150		3/19/21 20:25
Decachlorobiphenyl [2]	84.3	30-150		3/19/21 20:25
Tetrachloro-m-xylene [1]	74.1	30-150		3/19/21 20:25
Tetrachloro-m-xylene [2]	72.3	30-150		3/19/21 20:25

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Project Location: 52 Institue Rd, Burlington, VT | Sample Description: | Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A2011.125-1071 | Sampled: 3/16/2021 13:36

Sample ID: 21C0909-22

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1248 [2]	0.24	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1254 [1]	0.24	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.5	30-150		3/19/21 20:43
Decachlorobiphenyl [2]	94.7	30-150		3/19/21 20:43
Tetrachloro-m-xylene [1]	83.9	30-150		3/19/21 20:43
Tetrachloro-m-xylene [2]	79.6	30-150		3/19/21 20:43

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Project Location: 52 Institue Rd, Burlington, VT | Sample Description: | Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A144.125-1060 | Sampled: 3/16/2021 10:58

Sample ID: 21C0909-23

Sample Matrix: Bulk

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	3/18/21	3/19/21 21:00	PJG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG
Aroclor-1248 [2]	0.19	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG
Aroclor-1254 [1]	0.22	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.2	30-150		3/19/21 21:00
Decachlorobiphenyl [2]	73.7	30-150		3/19/21 21:00
Tetrachloro-m-xylene [1]	60.8	30-150		3/19/21 21:00
Tetrachloro-m-xylene [2]	55.8	30-150		3/19/21 21:00

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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
21C0909-21 [210316.A116.125-1069]	B278260	2.10	10.0	03/18/21
21C0909-22 [210316.A2011.125-1071]	B278260	2.06	10.0	03/18/21
21C0909-23 [210316.A144.125-1060]	B278260	2.05	10.0	03/18/21

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21C0909-01 [210315.A68.124-1028]	B278261	2.09	10.0	03/18/21
21C0909-02 [210315.A60.124-1030]	B278261	2.07	10.0	03/18/21
21C0909-03 [210315.A43.124-1032]	B278261	2.09	10.0	03/18/21
21C0909-04 [210315.A2012.124-1034]	B278261	2.01	10.0	03/18/21
21C0909-05 [210315.A28.124-1036]	B278261	2.01	10.0	03/18/21
21C0909-06 [210315.A109.124-1038]	B278261	2.03	10.0	03/18/21
21C0909-07 [210315.A2010.124-1040]	B278261	2.06	10.0	03/18/21
21C0909-08 [210315.A2008.124-1042]	B278261	2.10	10.0	03/18/21
21C0909-09 [210315.A135.124-1044]	B278261	2.04	10.0	03/18/21
21C0909-10 [210316.A30.125-1046]	B278261	2.02	10.0	03/18/21
21C0909-11 [210316.A32.125-1048]	B278261	2.05	10.0	03/18/21
21C0909-12 [210316.A100.125-1050]	B278261	2.03	10.0	03/18/21
21C0909-13 [210316.A142.125-1052]	B278261	2.02	10.0	03/18/21
21C0909-14 [210316.A40.125-1053]	B278261	2.09	10.0	03/18/21
21C0909-15 [210316.A138.125-1054]	B278261	2.02	10.0	03/18/21
21C0909-16 [210316.A140.125-1056]	B278261	2.01	10.0	03/18/21
21C0909-17 [210316.A2003.125-1058]	B278261	2.05	10.0	03/18/21
21C0909-18 [210316.A55.125-1061]	B278261	2.01	10.0	03/18/21
21C0909-19 [210316.A114.125-1063]	B278261	2.06	10.0	03/18/21
21C0909-20 [210316.A112.125-1065]	B278261	2.06	10.0	03/18/21

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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 B278260 - SW-846 3540C										
Blank (B278260-BLK1)				Prepared: 03/18/21 Analyzed: 03/19/21						
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	*0.899*		mg/Kg	1.00		89.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.906*		mg/Kg	1.00		90.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.814*		mg/Kg	1.00		81.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.837*		mg/Kg	1.00		83.7	30-150			
LCS (B278260-BS1)				Prepared: 03/18/21 Analyzed: 03/19/21						
Aroclor-1016	0.85	0.10	mg/Kg	1.00		84.5	40-140			
Aroclor-1016 [2C]	0.76	0.10	mg/Kg	1.00		76.2	40-140			
Aroclor-1260	0.81	0.10	mg/Kg	1.00		80.6	40-140			
Aroclor-1260 [2C]	0.78	0.10	mg/Kg	1.00		77.5	40-140			
Surrogate: Decachlorobiphenyl	*0.936*		mg/Kg	1.00		93.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.943*		mg/Kg	1.00		94.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.844*		mg/Kg	1.00		84.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.830*		mg/Kg	1.00		83.0	30-150			
LCS Dup (B278260-BSD1)				Prepared: 03/18/21 Analyzed: 03/19/21						
Aroclor-1016	0.94	0.10	mg/Kg	1.00		93.9	40-140	10.5	30	
Aroclor-1016 [2C]	0.84	0.10	mg/Kg	1.00		84.1	40-140	9.82	30	
Aroclor-1260	0.88	0.10	mg/Kg	1.00		88.3	40-140	9.13	30	
Aroclor-1260 [2C]	0.83	0.10	mg/Kg	1.00		83.3	40-140	7.18	30	
Surrogate: Decachlorobiphenyl	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.991*		mg/Kg	1.00		99.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.952*		mg/Kg	1.00		95.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.943*		mg/Kg	1.00		94.3	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 B278261 - SW-846 3540C										
Blank (B278261-BLK1)				Prepared: 03/18/21 Analyzed: 03/19/21						
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	*0.895*		mg/Kg	1.00		89.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.992*		mg/Kg	1.00		99.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.732*		mg/Kg	1.00		73.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.802*		mg/Kg	1.00		80.2	30-150			
LCS (B278261-BS1)				Prepared: 03/18/21 Analyzed: 03/19/21						
Aroclor-1016	0.73	0.10	mg/Kg	1.00		72.7	40-140			
Aroclor-1016 [2C]	0.74	0.10	mg/Kg	1.00		73.8	40-140			
Aroclor-1260	0.72	0.10	mg/Kg	1.00		72.1	40-140			
Aroclor-1260 [2C]	0.75	0.10	mg/Kg	1.00		75.4	40-140			
Surrogate: Decachlorobiphenyl	*0.913*		mg/Kg	1.00		91.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.745*		mg/Kg	1.00		74.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.802*		mg/Kg	1.00		80.2	30-150			
LCS Dup (B278261-BSD1)				Prepared: 03/18/21 Analyzed: 03/19/21						
Aroclor-1016	0.72	0.10	mg/Kg	1.00		72.1	40-140	0.742	30	
Aroclor-1016 [2C]	0.73	0.10	mg/Kg	1.00		73.4	40-140	0.653	30	
Aroclor-1260	0.70	0.10	mg/Kg	1.00		70.1	40-140	2.85	30	
Aroclor-1260 [2C]	0.73	0.10	mg/Kg	1.00		72.7	40-140	3.60	30	
Surrogate: Decachlorobiphenyl	*0.870*		mg/Kg	1.00		87.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.954*		mg/Kg	1.00		95.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.754*		mg/Kg	1.00		75.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.828*		mg/Kg	1.00		82.8	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A60.124-1030

Lab Sample ID: 21C0909-02 Date(s) Analyzed: 03/20/2021 03/20/2021

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-1254	1	0.000	0.000	0.000	17	
	2	0.000	0.000	0.000	19	11.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A43.124-1032

Lab Sample ID: 21C0909-03 Date(s) Analyzed: 03/20/2021 03/20/2021

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-1254	1	0.000	0.000	0.000	9.0	
	2	0.000	0.000	0.000	9.6	6.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A2012.124-1034

Lab Sample ID: 21C0909-04 Date(s) Analyzed: 03/20/2021 03/20/2021

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-1254	1	0.000	0.000	0.000	20	
	2	0.000	0.000	0.000	22	9.5
Aroclor-1260	1	0.000	0.000	0.000	2.9	
	2	0.000	0.000	0.000	2.9	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A28.124-1036

Lab Sample ID: 21C0909-05 Date(s) Analyzed: 03/20/2021 03/20/2021

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-1254	1	0.000	0.000	0.000	3.0	
	2	0.000	0.000	0.000	3.1	3.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A109.124-1038

Lab Sample ID: 21C0909-06 Date(s) Analyzed: 03/19/2021 03/19/2021

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-1254	1	0.000	0.000	0.000	0.50	
	2	0.000	0.000	0.000	0.47	6.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A2010.124-1040

Lab Sample ID: 21C0909-07 Date(s) Analyzed: 03/20/2021 03/20/2021

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-1254	1	0.000	0.000	0.000	3.0	
	2	0.000	0.000	0.000	3.3	9.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A2008.124-1042

Lab Sample ID: 21C0909-08 Date(s) Analyzed: 03/19/2021 03/19/2021

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-1254	1	0.000	0.000	0.000	0.62	
	2	0.000	0.000	0.000	0.60	3.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A135.124-1044

Lab Sample ID: 21C0909-09 Date(s) Analyzed: 03/19/2021 03/19/2021

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-1254	1	0.000	0.000	0.000	1.6	
	2	0.000	0.000	0.000	1.6	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A32.125-1048

Lab Sample ID: 21C0909-11

Date(s) Analyzed: 03/20/2021 03/20/2021

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-1254	1	0.000	0.000	0.000	8.8	
	2	0.000	0.000	0.000	8.9	1.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A100.125-1050

Lab Sample ID: 21C0909-12 Date(s) Analyzed: 03/19/2021 03/19/2021

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-1254	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.4	7.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A142.125-1052

Lab Sample ID: 21C0909-13 Date(s) Analyzed: 03/19/2021 03/19/2021

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-1248	1	0.000	0.000	0.000	0.39	
	2	0.000	0.000	0.000	0.44	12.0
Aroclor-1254	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

210316.A40.125-1053

Lab Sample ID: 21C0909-14 Date(s) Analyzed: 03/20/2021 03/20/2021

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-1248	1	0.000	0.000	0.000	0.95	
	2	0.000	0.000	0.000	1.1	14.6
Aroclor-1254	1	0.000	0.000	0.000	2.7	
	2	0.000	0.000	0.000	2.8	3.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A138.125-1054

Lab Sample ID: 21C0909-15 Date(s) Analyzed: 03/19/2021 03/19/2021

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-1254	1	0.000	0.000	0.000	0.25	
	2	0.000	0.000	0.000	0.24	4.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A2003.125-1058

Lab Sample ID: 21C0909-17 Date(s) Analyzed: 03/19/2021 03/19/2021

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-1254	1	0.000	0.000	0.000	0.93	
	2	0.000	0.000	0.000	0.95	2.1
Aroclor-1268	1	0.000	0.000	0.000	0.11	
	2	0.000	0.000	0.000	0.12	8.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A33.125-1061

Lab Sample ID: 21C0909-18 Date(s) Analyzed: 03/19/2021 03/19/2021

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-1248	1	0.000	0.000	0.000	0.67	
	2	0.000	0.000	0.000	0.81	18.9
Aroclor-1254	1	0.000	0.000	0.000	2.2	
	2	0.000	0.000	0.000	2.3	4.4
Aroclor-1260	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.19	30.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A114.125-1063

Lab Sample ID: 21C0909-19 Date(s) Analyzed: 03/20/2021 03/20/2021

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-1254	1	0.000	0.000	0.000	4.1	
	2	0.000	0.000	0.000	4.4	7.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A112.125-1065

Lab Sample ID: 21C0909-20 Date(s) Analyzed: 03/19/2021 03/19/2021

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-1254	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

210316.A116.125-1069

Lab Sample ID: 21C0909-21 Date(s) Analyzed: 03/19/2021 03/19/2021

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-1248	1	0.000	0.000	0.000	0.36	
	2	0.000	0.000	0.000	0.44	20.0
Aroclor-1254	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.1	0.0

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A2011.125-1071

Lab Sample ID: 21C0909-22 Date(s) Analyzed: 03/19/2021 03/19/2021

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-1248	1	0.000	0.000	0.000	0.21	
	2	0.000	0.000	0.000	0.24	8.7
Aroclor-1254	1	0.000	0.000	0.000	0.24	
	2	0.000	0.000	0.000	0.21	13.3

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A144.125-1060

Lab Sample ID: 21C0909-23 Date(s) Analyzed: 03/19/2021 03/19/2021

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-1248	1	0.000	0.000	0.000	0.18	
	2	0.000	0.000	0.000	0.19	5.4
Aroclor-1254	1	0.000	0.000	0.000	0.22	
	2	0.000	0.000	0.000	0.18	20.0

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A Pace Analytical® Laboratory

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

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.

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	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2021
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2021
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2021
FL	Florida Department of Health	E871027 NELAP	06/30/2021
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2021
ME	State of Maine	MA00100	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2021
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2021
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

21C0909

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: [redacted]
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980
Project Name: [redacted]
Project Location: 52 Institue Road, Burlington, Vermont
Project Number: 280BS01563 Phase 012
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: N. Amato, J. Adams, K. Paritz

Requested Turnaround Time
7-Day (5 Day) ☑ | 10-Day ☐
PFAS 10-Day (std) ☐ | Due Date:

Rush Approval Required
1-Day ☐ | 3-Day ☐
2-Day ☐ | 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

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 Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082									
1	210315.A68.124-1028	3/15/21	1024	Grab	O	U		1				✓	✓									
2	210315.A60.124-1030		1052	Grab	O	U		1				✓	✓									
3	210315.A43.124-1032		11:21	Grab	O	U		1				✓	✓									
4	210315.A2012.124-1034		11:42	Grab	O	U		1				✓	✓									
5	210315.A28.124-1036		13:23	Grab	O	U		1				✓	✓									
6	210315.A109.124-1038		14:38	Grab	O	U		1				✓	✓									
7	210315.A206.124-1040		14:58	Grab	O	U		1				✓	✓									
8	210315.A208.124-1042		15:18	Grab	O	U		1				✓	✓									
9	210315.A135.124-1044		15:33	Grab	O	U		1				✓	✓									
10	210316.A30.125-1046	3/16/21	08:29	Grab	O	U		1				✓	✓									

Relinquished by: (signature) | Date/Time: 3/16/21 1500
Received by: (signature) | Date/Time:
Relinquished by: (signature) | Date/Time:
Received by: (signature) | Date/Time:
Relinquished by: (signature) | Date/Time:
Received by: (signature) 3.1 | Date/Time: 3/17/21 1900
Relinquished by: (signature) | Date/Time:
Received by: (signature) | Date/Time:

Client Comments: 5 day turnaround time

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab 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.

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS 23
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)

Table of Contents

2104909

con-test ANALYTICAL LABORATORY

http://www.contestlabs.com

Doc # 381 Rev 2_06262019

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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980

Project Name:
Project Location: 52 Institute Road, Burlington, Vermont
Project Number: 280BS01563 Phase 012
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: N. Amato, J. Adams, K. Paritz

Requested Turnaround Time
7-Day (5 Day) ☑ 10-Day ☐
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Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date	Beginning Time	Ending Date	Ending Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	EPA Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
11	210316.A32.125-1048	3/16/21		08:36		Grab	O	U		1				✓	✓
12	210316.A100-125-1050			08:53		Grab	O	U		1				✓	✓
13	210316.A142.125-1052			09:15		Grab	O	U		1				✓	✓
14	210316.A40.125-1053			09:18		Grab	O	U		1				✓	✓
15	210316.A138.125-1054			09:22		Grab	O	U		1				✓	✓
16	210316.A140.125-1056			09:43		Grab	O	U		1				✓	✓
17	210316.A2003.125-1058			10:11		Grab	O	U		1				✓	✓
18	210316.A55.125-1061			12:03		Grab	O	U		1				✓	✓
19	210316.A114.125-1063			12:38		Grab	O	U		1				✓	✓
20	210316.A112.125-1065			12:49		Grab	O	U		1				✓	✓

Relinquished by: (signature)	Date/Time:
	3/16/21 1500
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments: 5 day turnaround time

Detection Limit Requirements
MA
CT

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required

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

Other: 0.5 parts per million (ppm) PWSID #

Project Entity

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

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments:

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BACTERIA
ENCORE

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Prepackaged Cooler (Y) N
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[1] **Matrix Codes:**
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DW = Drinking Water
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SOL = Solid
O = Other (please define) ____Bulk ____

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21C0909

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○ Field Filtered
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○ Field Filtered
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PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	EPA Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
~~(1)~~	~~210316.A116.125-1065~~	~~3/16/21~~	~~1249~~	Grab	O	U		1				✓	✓
21	210316.A116.125-1069		13:16	Grab	O	U		1				✓	✓
22	210316.A2011.125-1071		13:36	Grab	O	U		1				✓	✓
23	210316.A144.125-1060		10:58	Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS 23
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)

Relinquished by: (signature)	Date/Time:
	3/16/21 1500
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments: 5 day turnaround time

Detection Limit Requirements
MA
CT

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required

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

Other: 0.5 parts per million (ppm) PWSID #

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab Comments:

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Table of Contents

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

con-test® ANALYTICAL LABORATORY

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 [illegible] Date 3/17/21 Time 1800

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

Direct from Sampling _____ Ambient _____ Melted Ice _____

By Gun # 2 Actual Temp - 3.1

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

Was Custody Seal Intact? NA Were Samples Tampered with? NR

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 Project T Analysis T ID's T Sampler Name 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? NA 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? NA Acid _____ Base _____

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	23
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:

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B278260

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 3/18/2021 2:04:12PM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B278260-BLK1	Blank			LG 3/19/21	#26	2.00	10.0		1000		
B278260-BS1	LCS							1000	1000		
B278260-BSD1	LCS Dup							1000	1000		
21C0875-01	210315.A68.124-1029 30-4E	03/24/21	03/29/21			2.38			1000	EXTRACT & HOLD, RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-02	210315.A60.124-1031	03/24/21	03/29/21			2.40			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-03	210315.A43.124-1033	03/24/21	03/29/21			2.30			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-04	210315.A2012.124-1035	03/24/21	03/29/21			2.27			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-05	210315.A28.124-1037	03/24/21	03/29/21			2.41			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-06	210315.A109.124-1039	03/24/21	03/29/21	LG 3/19/21	#26	2.35	10.0		1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-07	210315.A2010.124-1041	03/24/21	03/29/21			2.16			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-08	210315.A2008.124-1043	03/24/21	03/29/21			2.37			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5

WIT CAH SPK DMP 3/18/21
Spikedby/Witnessed By Date

DMP 3/18/21
Extracted By Date

*sample burn out AVF 3.19.21 need re-extract.

C:\ELMNT\Print\bch_DEF_EXT_TAT.rpt

ran 3/19/21 #5 AMC

plapped 03192 1 JM

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B278260

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 3/18/2021 2:04:12PM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
21C0875-09	210315.A135.124-1045	03/24/21	03/29/21	LG 3/19/21	# 26	2.13	10.0		1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-10	210315.A30.124-1047	03/24/21	03/30/21			2.12			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-11	210315.A32.125-1049	03/24/21	03/30/21			2.09			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-12	210315.A100.125-1051	03/24/21	03/30/21			2.16			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-13	210315.A138.125-1055	03/24/21	03/30/21			2.19			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-14	210315.A140.125-1057	03/24/21	03/30/21	LG	#87	2.13	10.0		1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-15	210315.A2003.125-1059	03/24/21	03/30/21			2.01			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-16	210315.A55.125-1062	03/24/21	03/30/21			2.07			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-17	210315.A114.125-1064	03/24/21	03/30/21			2.04			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5

Spikedby/Witnessed By Date

Extracted By Date

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B278260

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 3/18/2021 2:04:12PM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
21C0909-21	210316.A116.125-1069	03/24/21	03/30/21			2.10			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0909-22	210316.A2011.125-1071	03/24/21	03/30/21			2.06			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0909-23	210316.A144.125-1060	03/24/21	03/30/21			2.05			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5

START DATE/TIME:
END DATE/TIME:
SPK Start Date/Time 3/18/21 @ 15:15
WIT:
StopDate/Time 3/19/21 07:27

Standard ID#	Description	Manufacture Lot#
2007070	Sodium Sulfate (Drum 45.5kg)	0000240206
2102079	Acetone	EA362-US
2102208	Methylene Chloride (200 L Drum)	EA414-US
2102275	Hexanes	60311
2102300	Filter Paper (VWR 043) Fluted	A29495172
2103038	Filter Paper (VWR 121) 15.0cm	17184076
2103253	Sodium Sulfate (Baked)	Sodium Sulfate/2
2103299	Distilled Solvent - MeCl2	DCM/ACE

balance S/N: 525973

Spikedby/Witnessed By Date

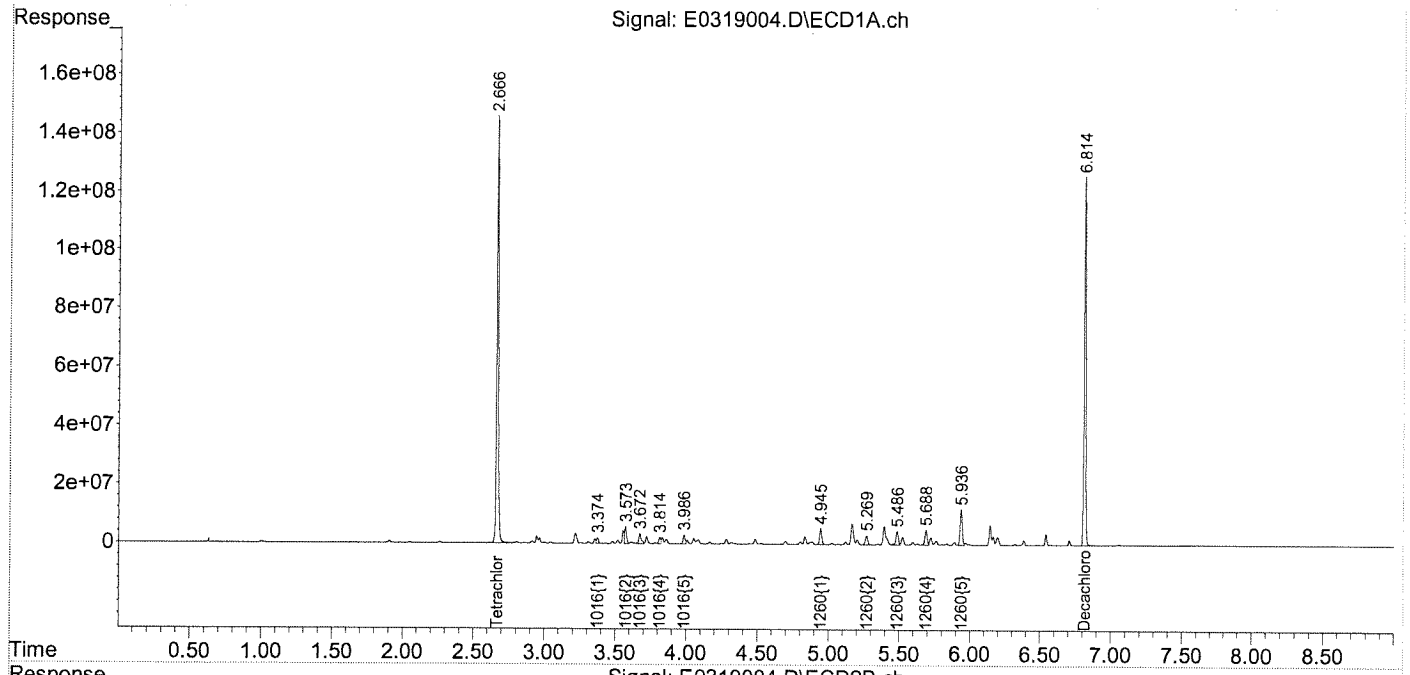
Extracted By Date

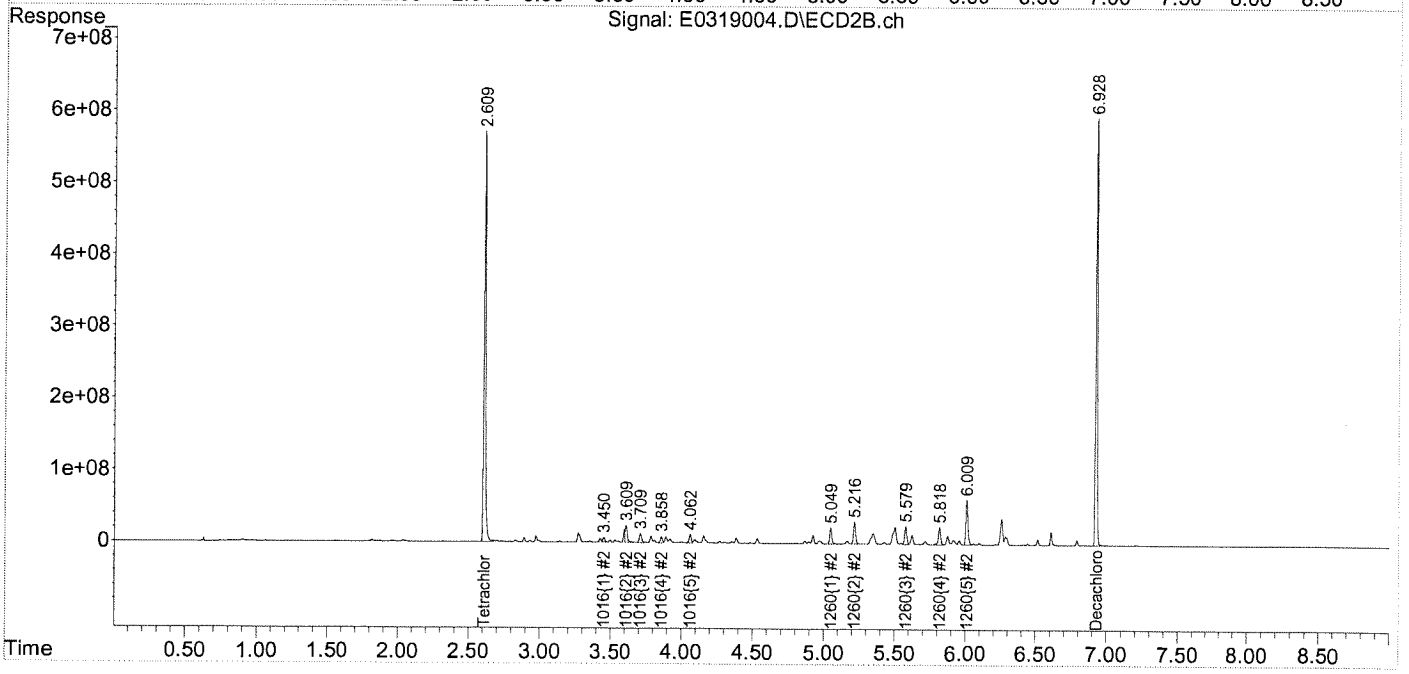
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 5:31 pm
Operator : JMB
Sample : 1260/1016 100 2102019 Inst : ECD 5
Misc : mix[s,11,17]
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 19:24:33 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



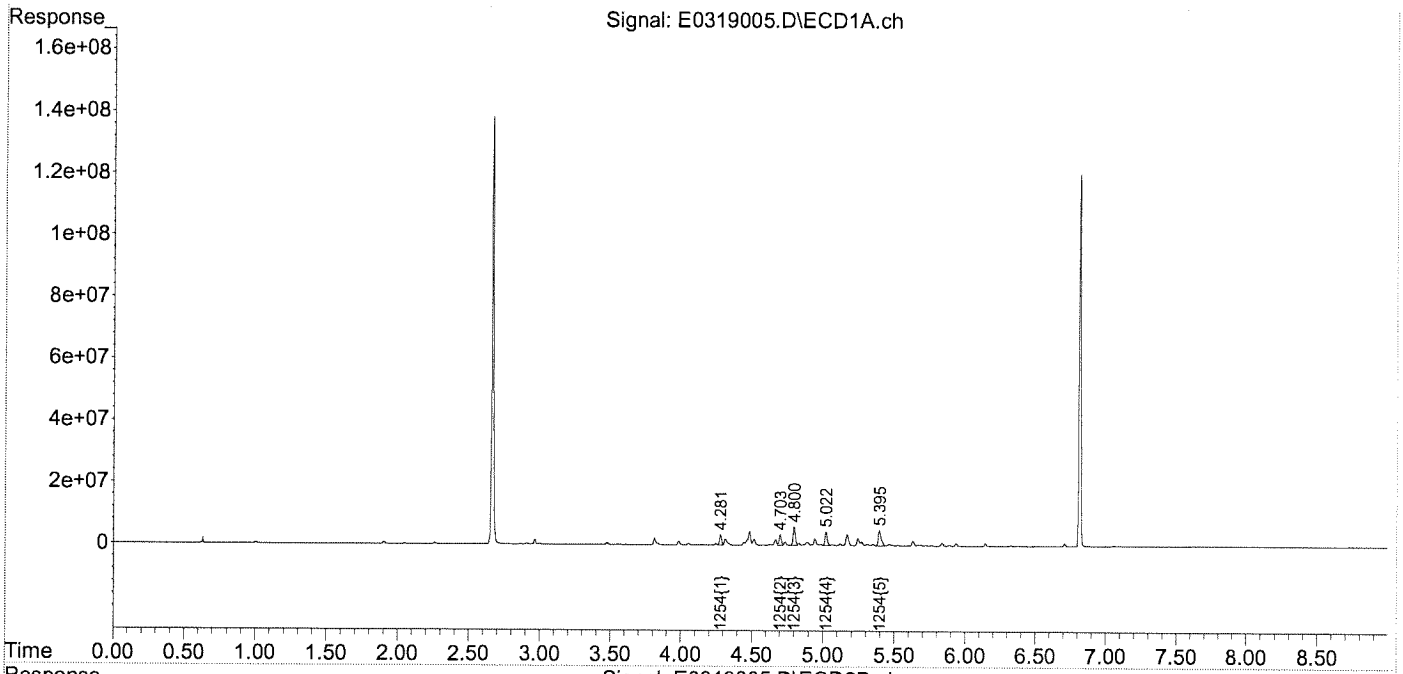


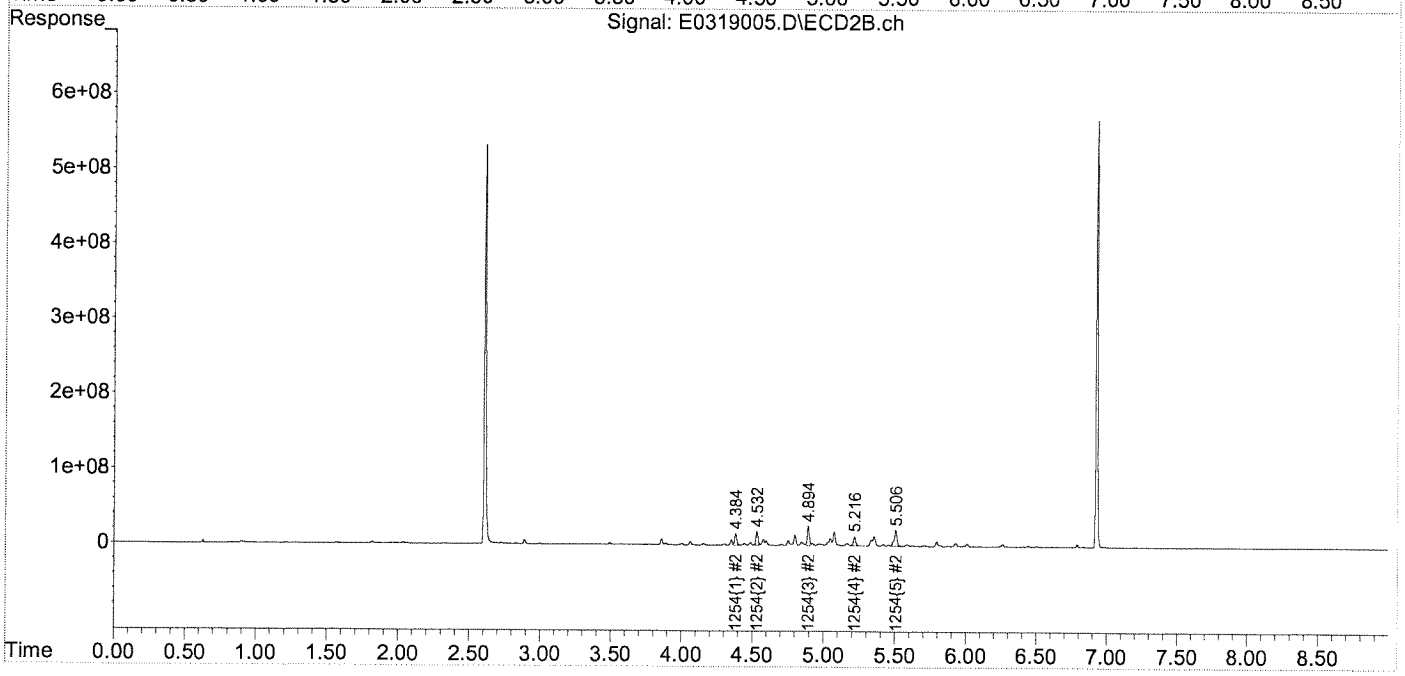
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 5:44 pm
Operator : JMB
Sample : 1254 100 2010265 Inst : ECD 5
Misc : mix[16]
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 19:24:36 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



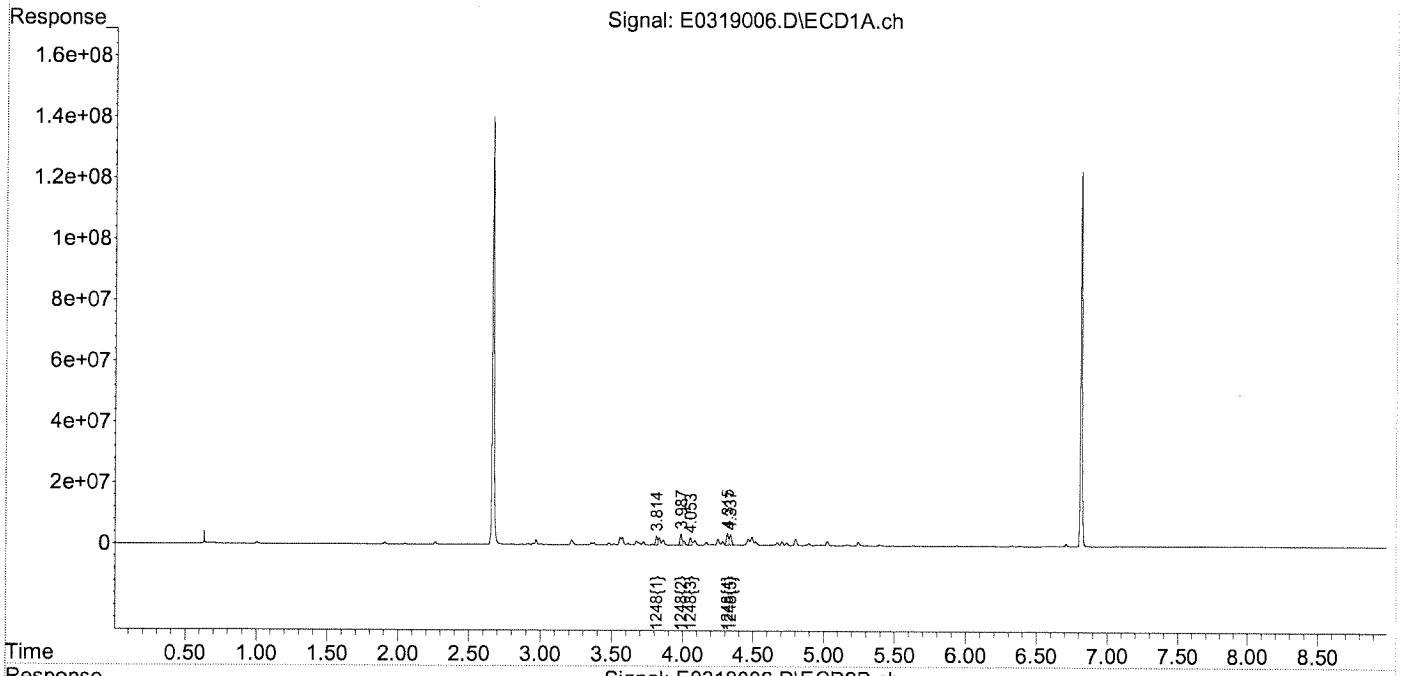


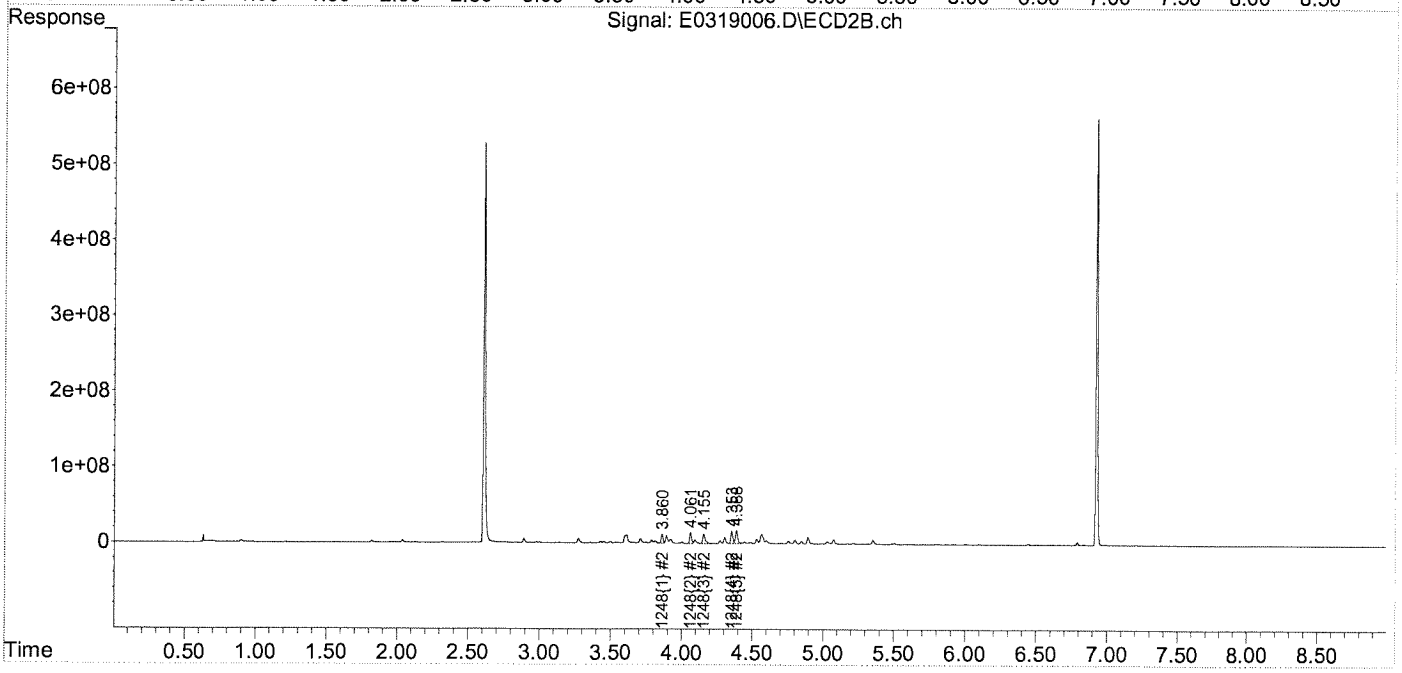
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 5:56 pm
Operator : JMB
Sample : 1248 100 2010210 Inst : ECD 5
Misc : mix[15]
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 19:24:39 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



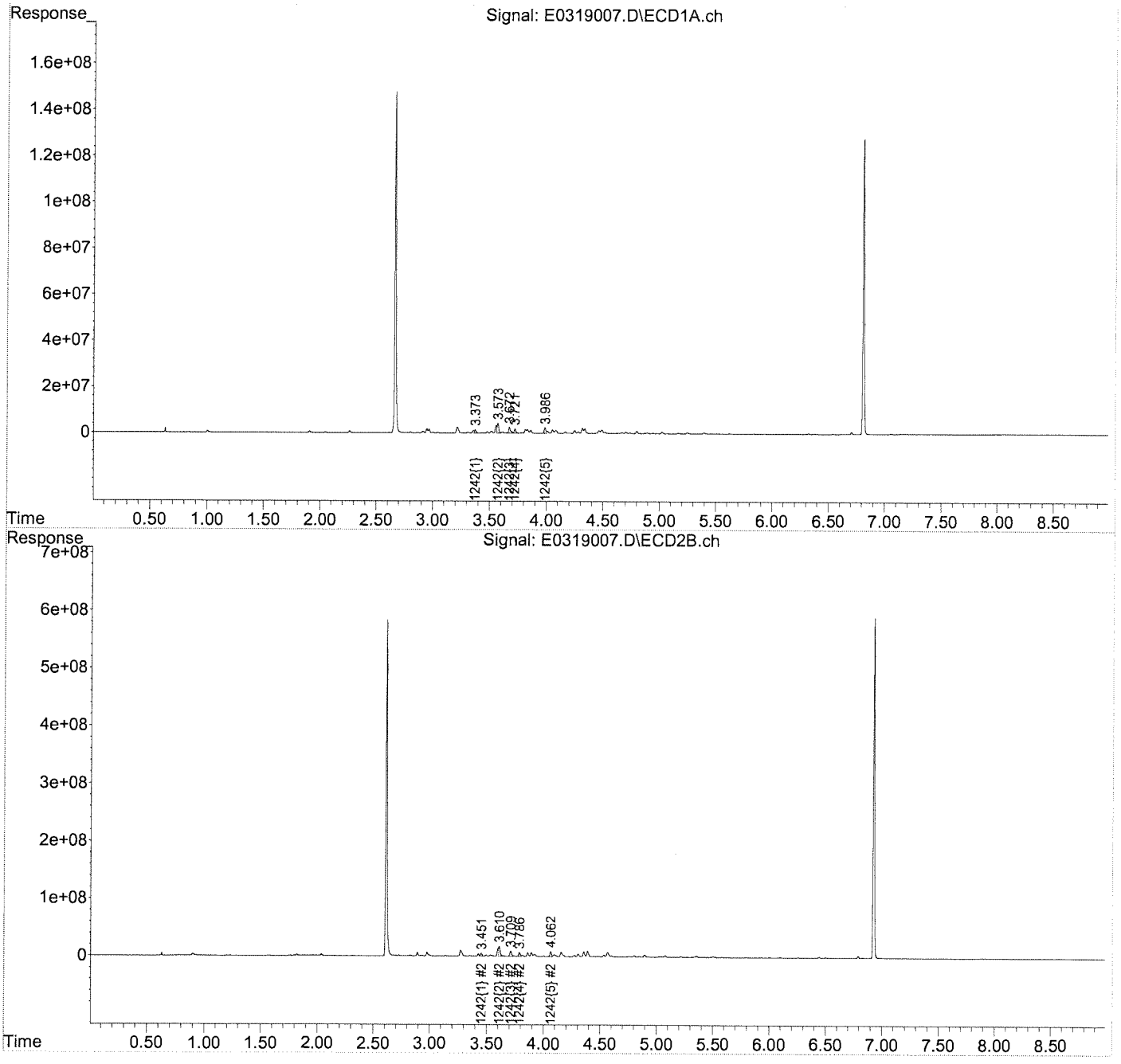


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 6:08 pm
Operator : JMB
Sample : 1242 100 2009334 Inst : ECD 5
Misc : mix[l4]
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 19:24:42 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

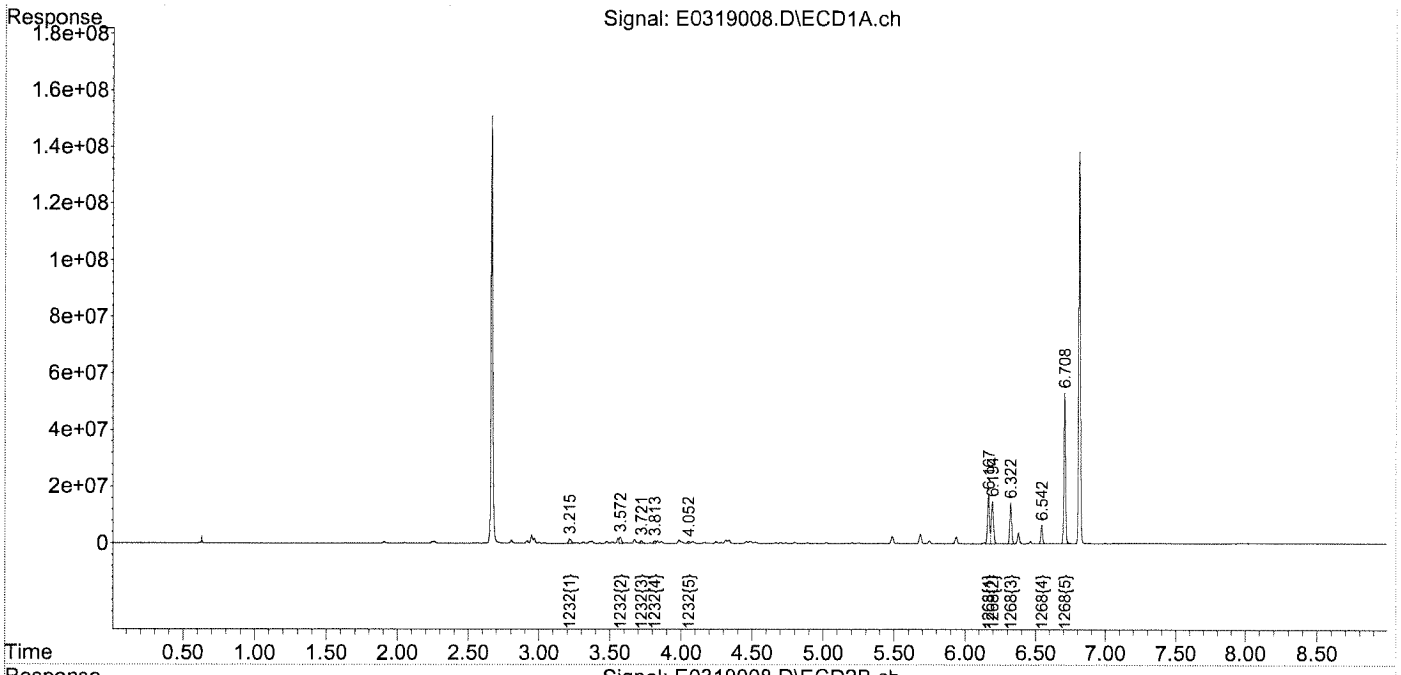


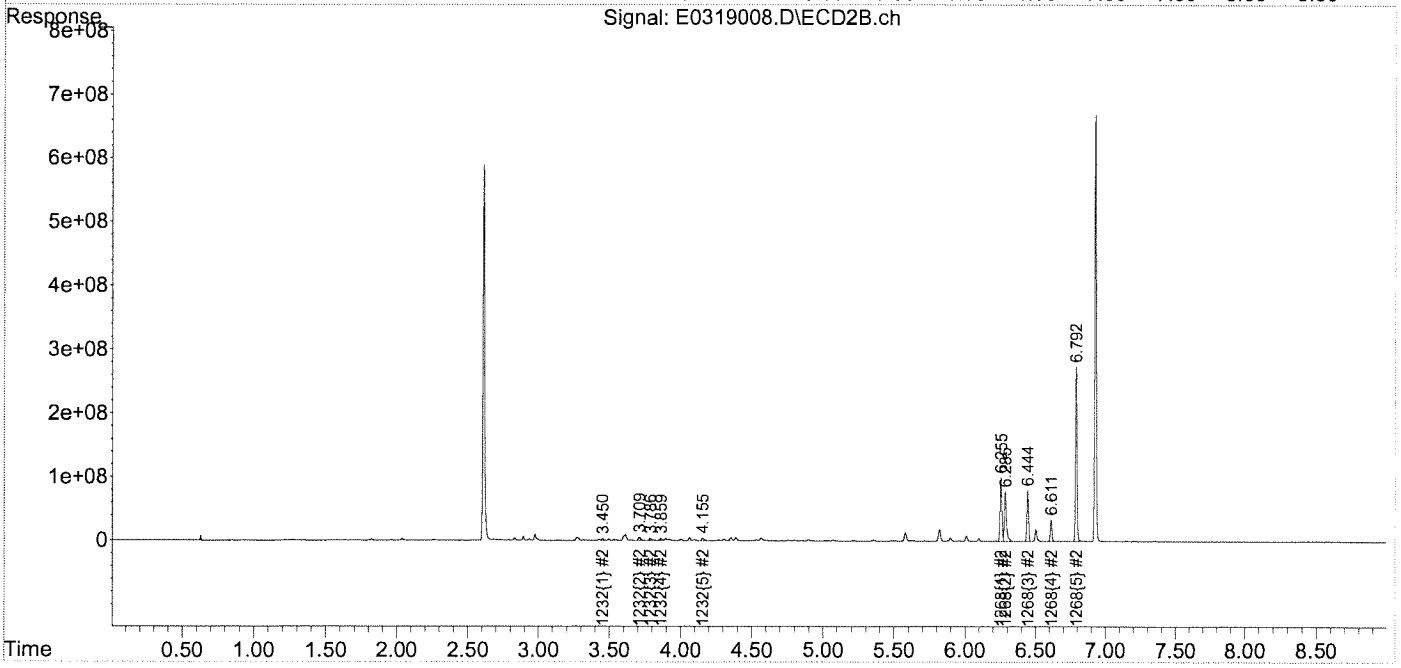
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 6:21 pm
Operator : JMB
Sample : 1232/1268 100 2012310 Inst : ECD 5
Misc : mix[13,19]
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 19:24:45 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



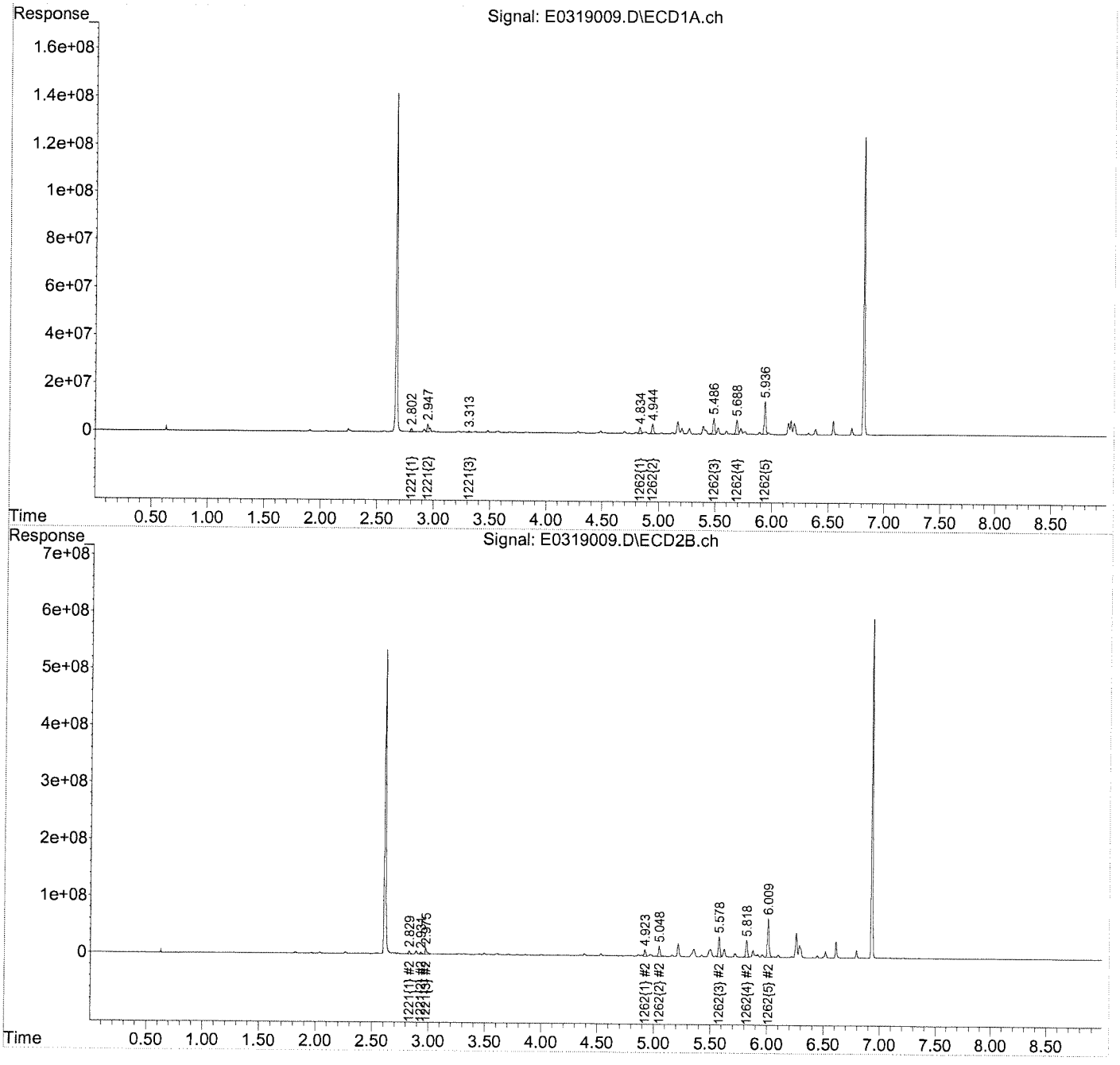


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 6:33 pm
Operator : JMB
Sample : 1221/1262 100 2012379 Inst : ECD 5
Misc : mix[12,18]
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 19:24:48 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

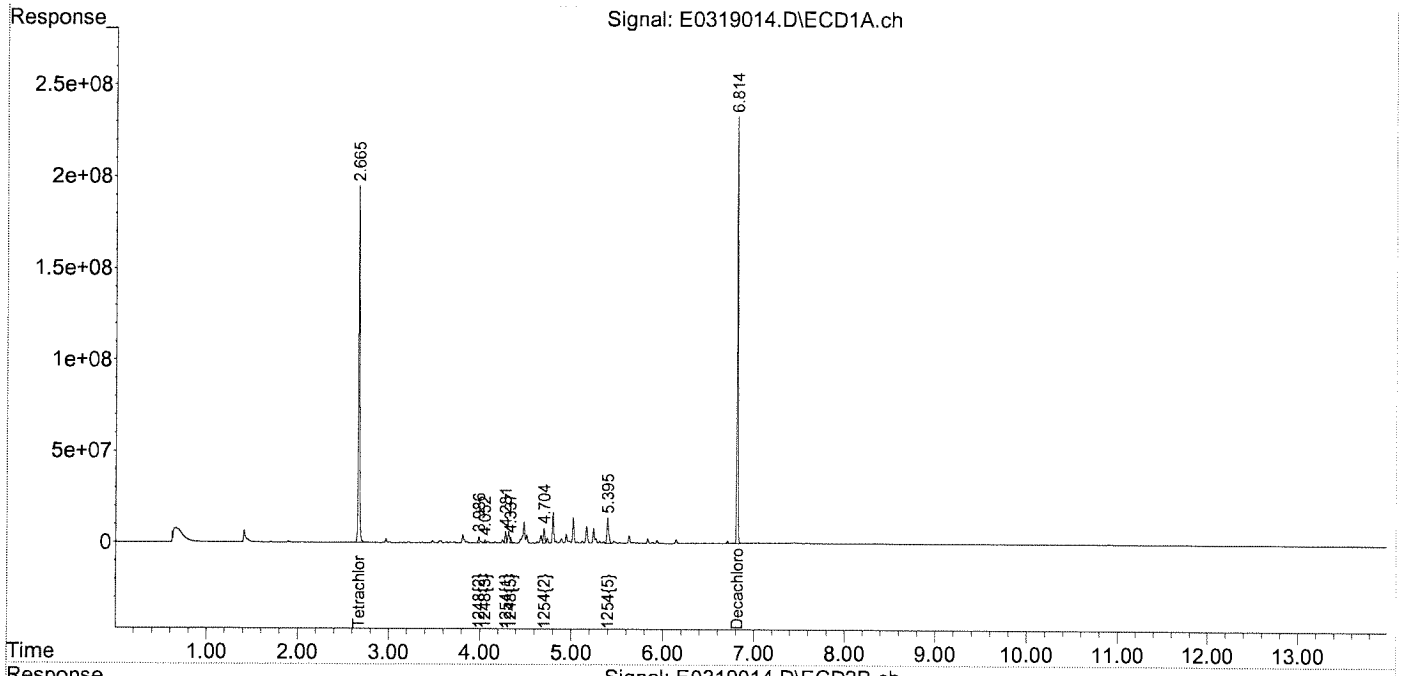


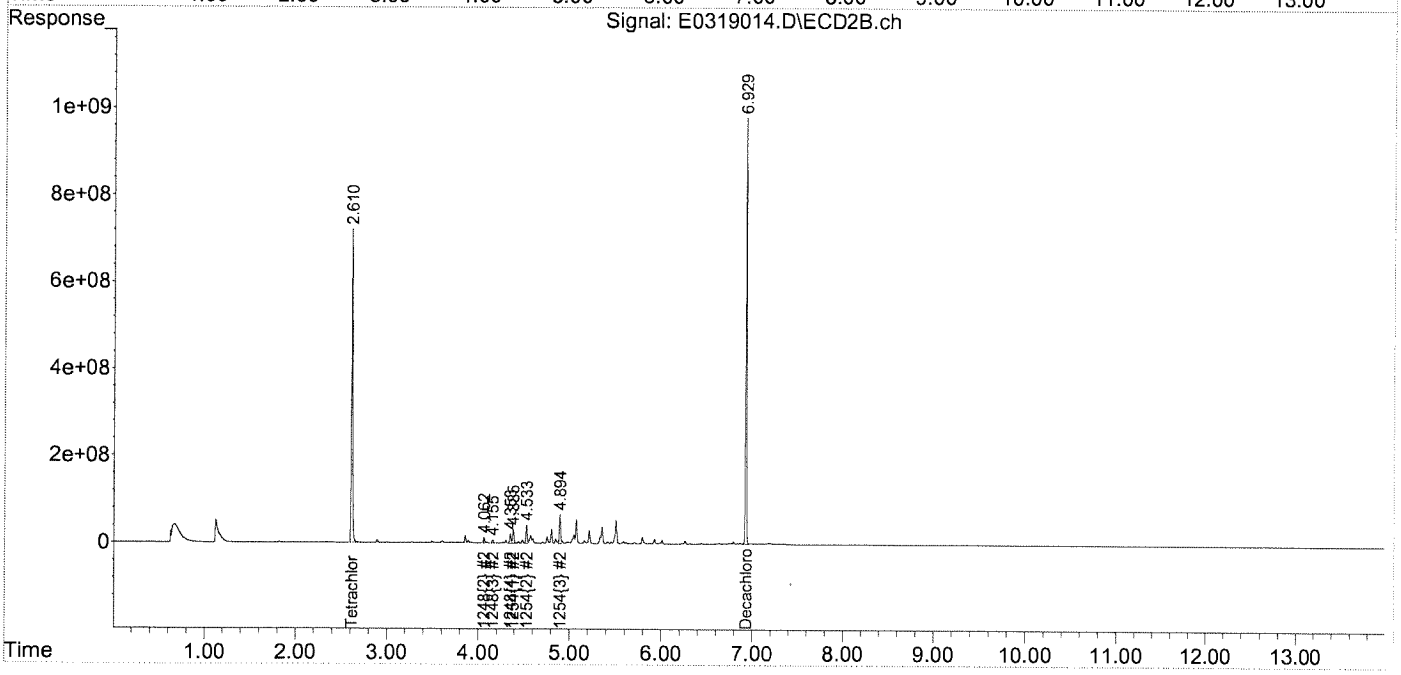
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 8:25 pm
Operator : JMB
Sample : 21C0909-21@TBA Inst : ECD 5
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 21:30:48 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



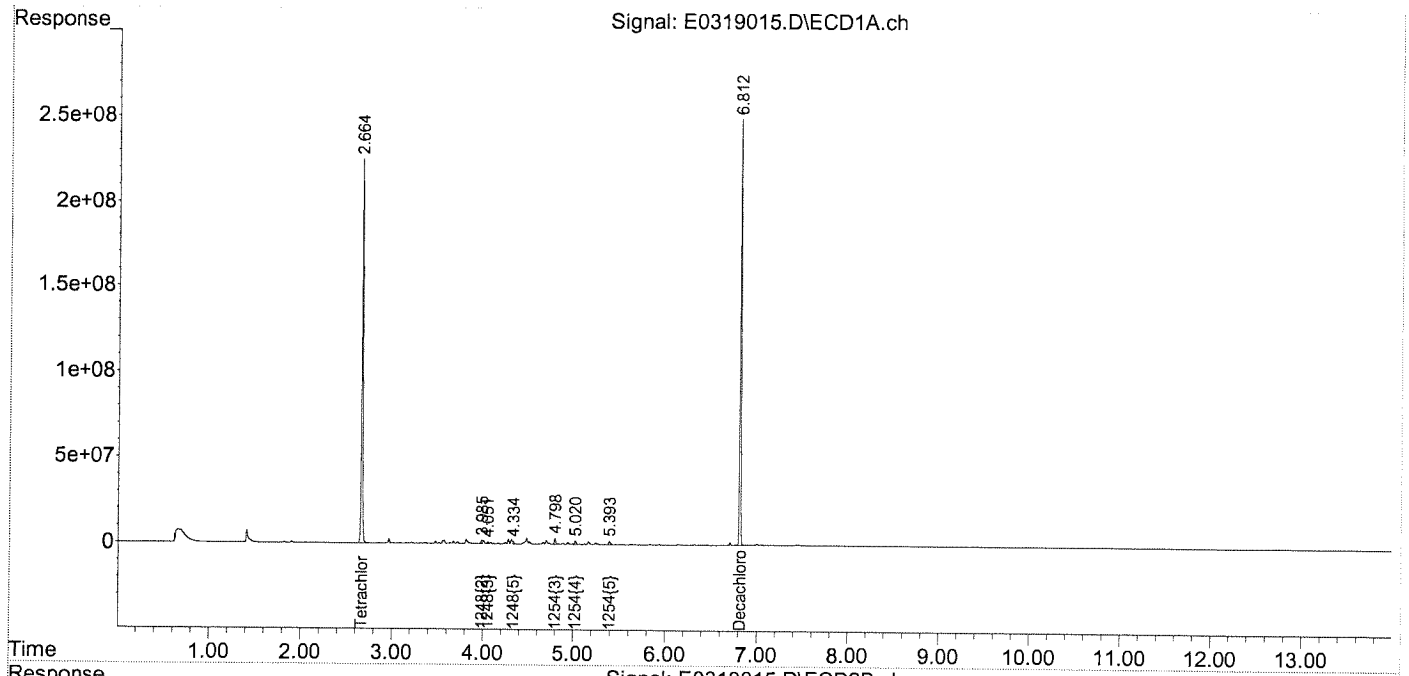


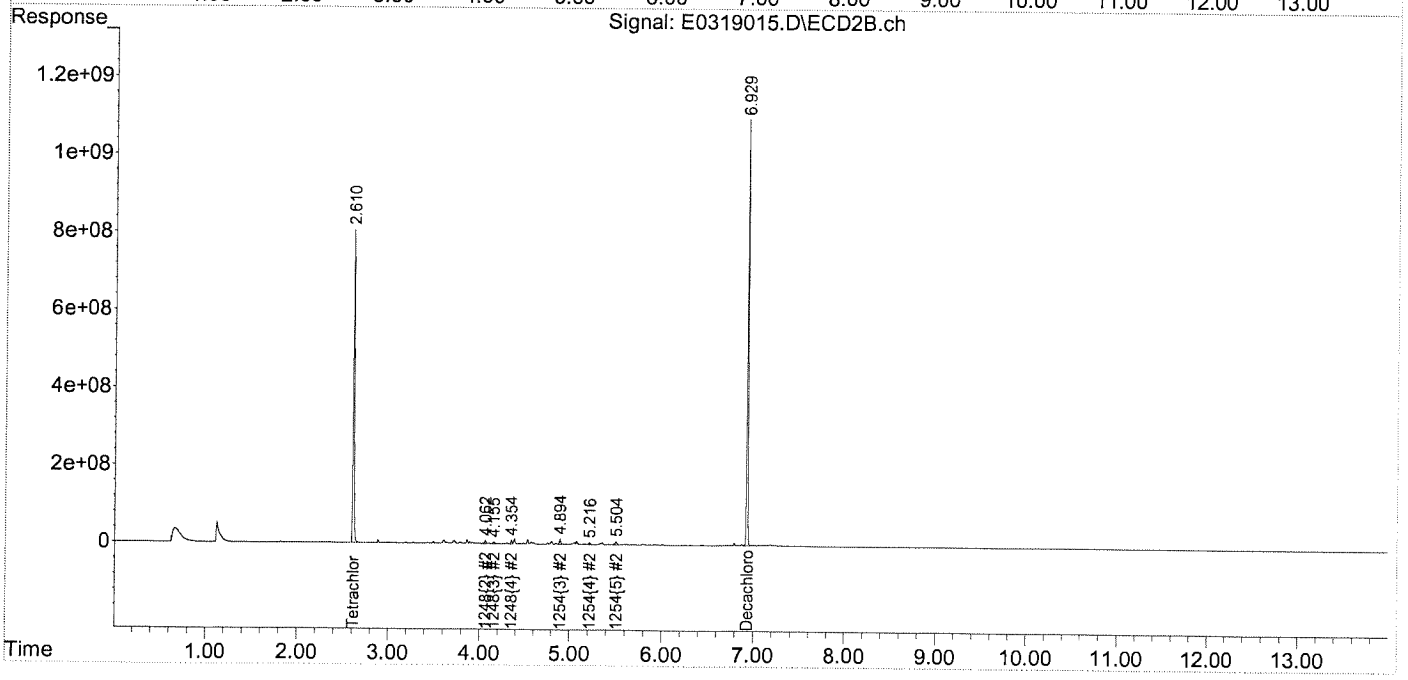
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 8:43 pm
Operator : JMB
Sample : 21C0909-22@TBA Inst : ECD 5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 21:30:51 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



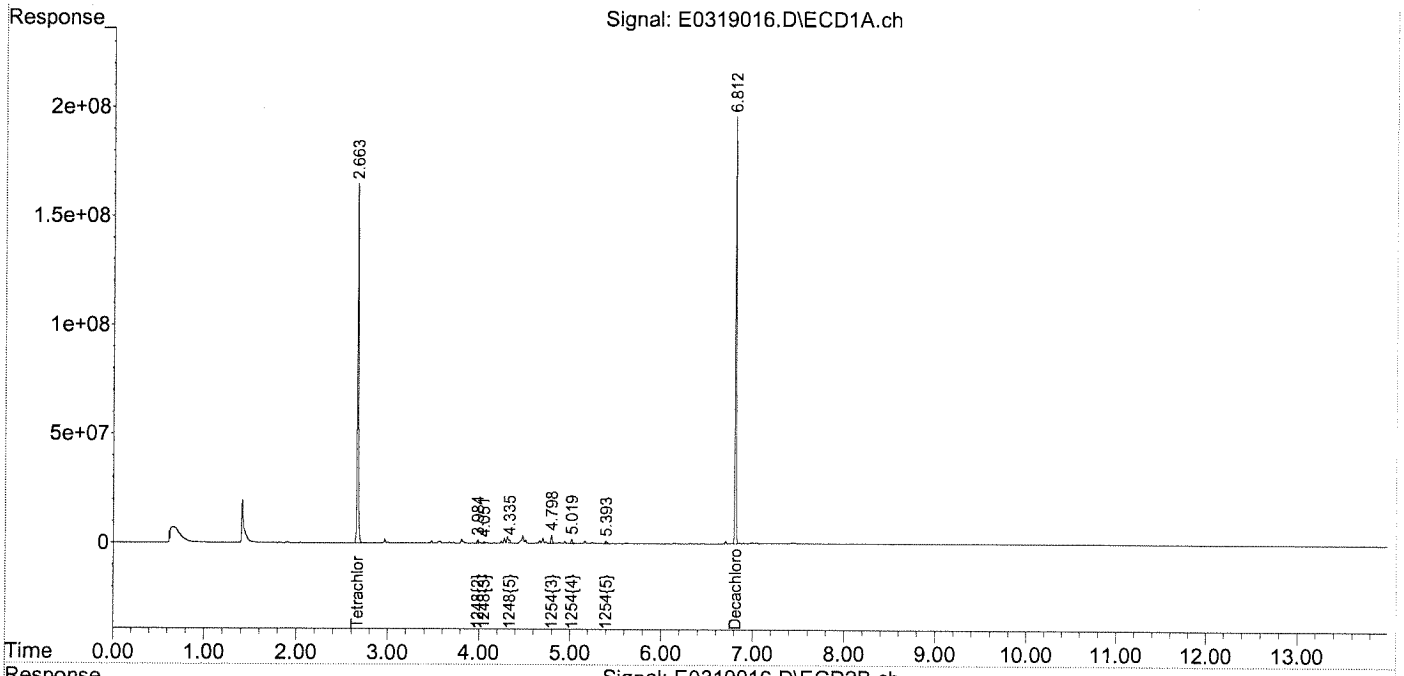


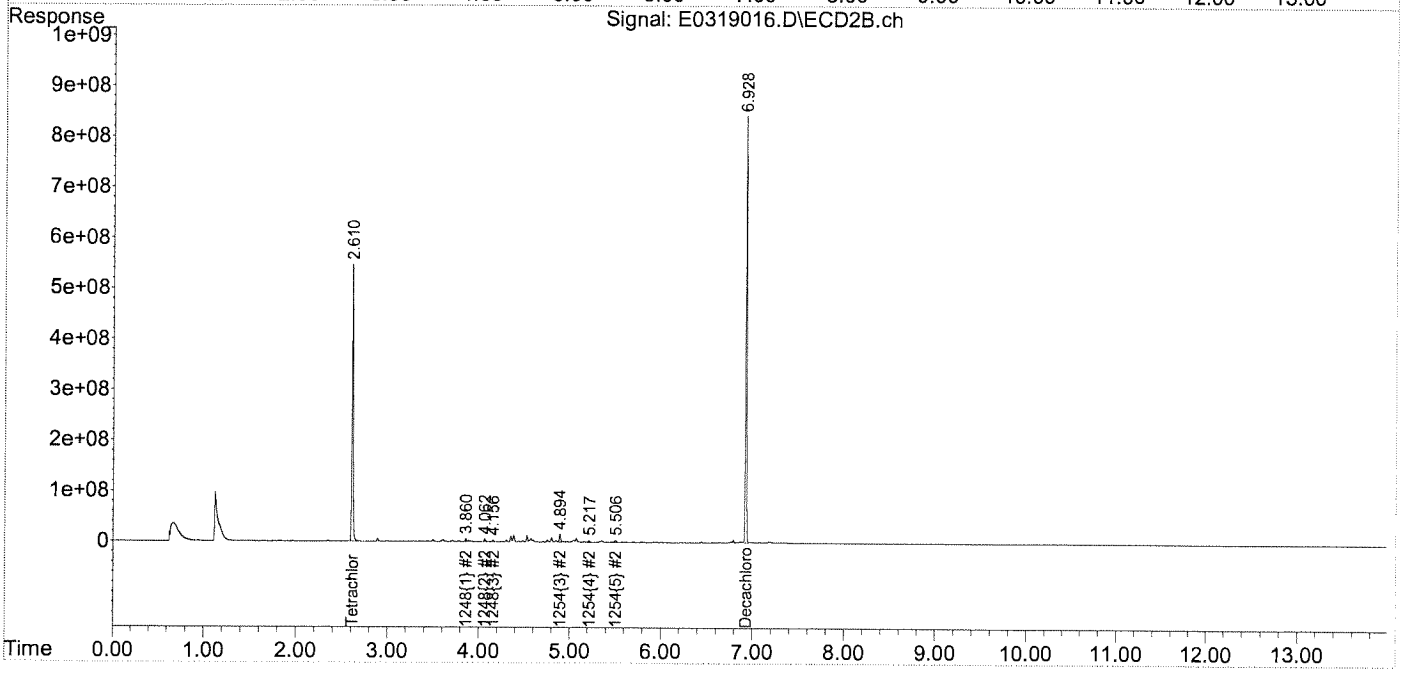
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 9:00 pm
Operator : JMB
Sample : 21C0909-23@TBA Inst : ECD 5
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 21:30:55 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B278261

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 3/18/2021 8:35:19AM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

2.00

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
B278261-BLK1	Blank			LG 3/19/21	*2C	2.00	10.0		1000	
B278261-BS1	LCS					2.00		1000	1000	
B278261-BSD1	LCS Dup					2.00		1000	1000	
21C0909-01	210315.A68.124-1028 30 4E	03/24/21	03/29/21			2.0944			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-02	210315.A60.124-1030 4 oz	03/24/21	03/29/21			2.0680			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-03	210315.A43.124-1032	03/24/21	03/29/21			2.0940			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-04	210315.A2012.124-1034	03/24/21	03/29/21			2.0125			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-05	210315.A28.124-1036	03/24/21	03/29/21			2.0142			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-06	210315.A109.124-1038	03/24/21	03/29/21			2.0280			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-07	210315.A2010.124-1040	03/24/21	03/29/21			2.0575			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-08	210315.A2008.124-1042	03/24/21	03/29/21		2.0996 *2C	AJH ~~2.0576~~			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-09	210315.A135.124-1044	03/24/21	03/29/21			2.0393			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-10	210316.A30.125-1046	03/24/21	03/29/21			2.0152			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor

Page 70 of 98

(S) AJH 3/18/21
Spikedby/Witnessed By Date

AJH 3/18/21
Extracted By Date

ran 03/19/21 #9 AMC
prepped 031921 JR

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B278261

Con-Test, a Pace Analytical Laboratory

Printed: 3/18/2021 8:35:19AM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Prepared using: SW-846 3540C

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
21C0909-11	210316.A32.125-1048	03/24/21	03/30/21	LG 3/19/21	#26	2.0547	10.0		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-12	210316.A100.125-1050	03/24/21	03/30/21			2.0315			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-13	210316.A142.125-1052	03/24/21	03/30/21			2.0157			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-14	210316.A40.125-1053	03/24/21	03/30/21			2.0867			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-15	210316.A138.125-1054	03/24/21	03/30/21			2.0153			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-16	210316.A140.125-1056	03/24/21	03/30/21			2.0076			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-17	210316.A2003.125-1058	03/24/21	03/30/21			2.0513			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-18	210316.A33.125-1061	03/24/21	03/30/21			2.0085			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-19	210316.A114.125-1063	03/24/21	03/30/21			2.0518			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-20	210316.A112.125-1065	03/24/21	03/30/21			2.0263			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor

Scale: 525973

ikedby/Witnessed By Date

Extracted By Date

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B278261

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 3/18/2021 8:35:19AM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

START DATE/TIME:
END DATE/TIME:
SPK Start Date/Time 3/18/21 @ 12:40
WIT:
StopDate/Time 3/19/21 07:27

Standard ID#	Description	Manufacture Lot#
2007070	Sodium Sulfate (Drum 45.5kg)	0000240206
2102079	Acetone	EA362-US
2102208	Methylene Chloride (200 L Drum)	EA414-US
2102275	Hexanes	60311
2102300	Filter Paper (VWR 043) Fluted	A29495172
2103038	Filter Paper (VWR 121) 15.0cm	17184076
2103253	Sodium Sulfate (Baked)	Sodium Sulfate/2
2103299	Distilled Solvent - MeCl2	DCM/ACE

edby/Witnessed By Date

Extracted By Date

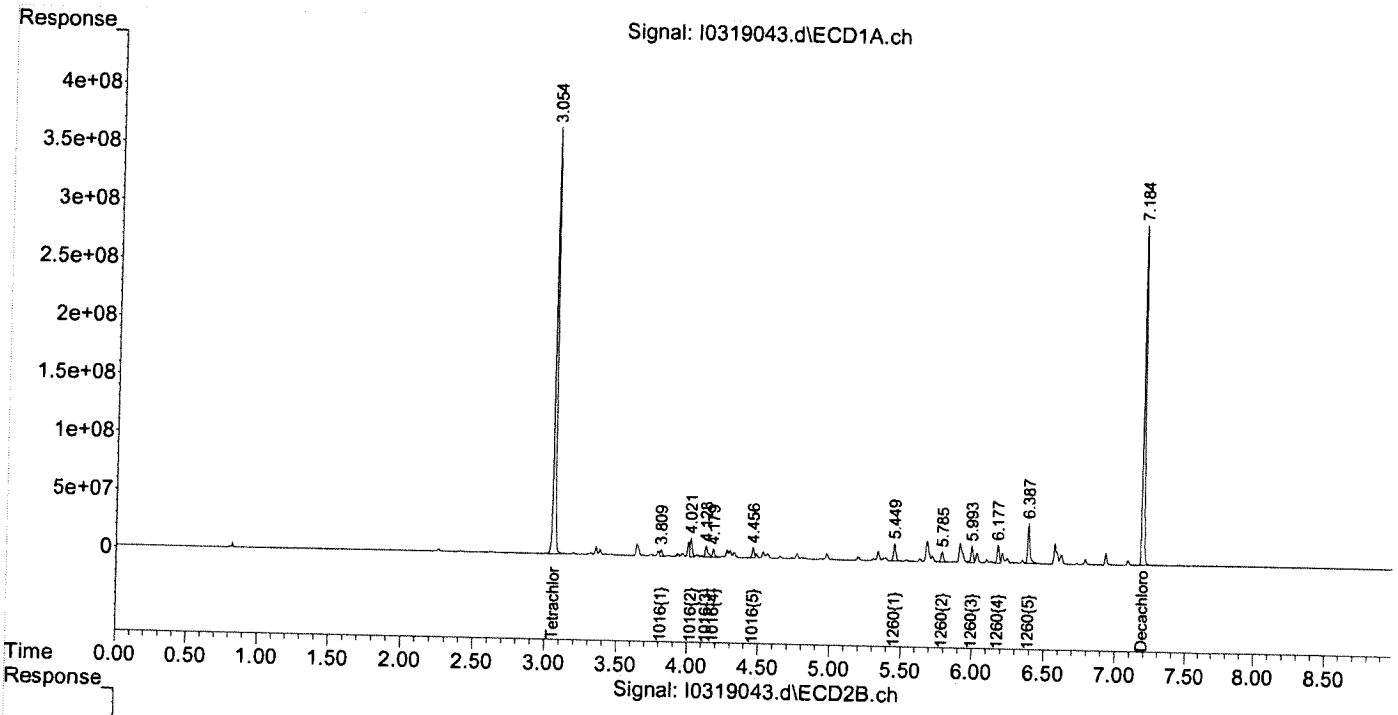
Data Path : C:\msdchem\1\data\031921\
Data File : I0319043.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 6:50 pm
Operator : JMB
Sample : 1260/1016 100
Misc :
ALS Vial : 43 Sample Multiplier: 1

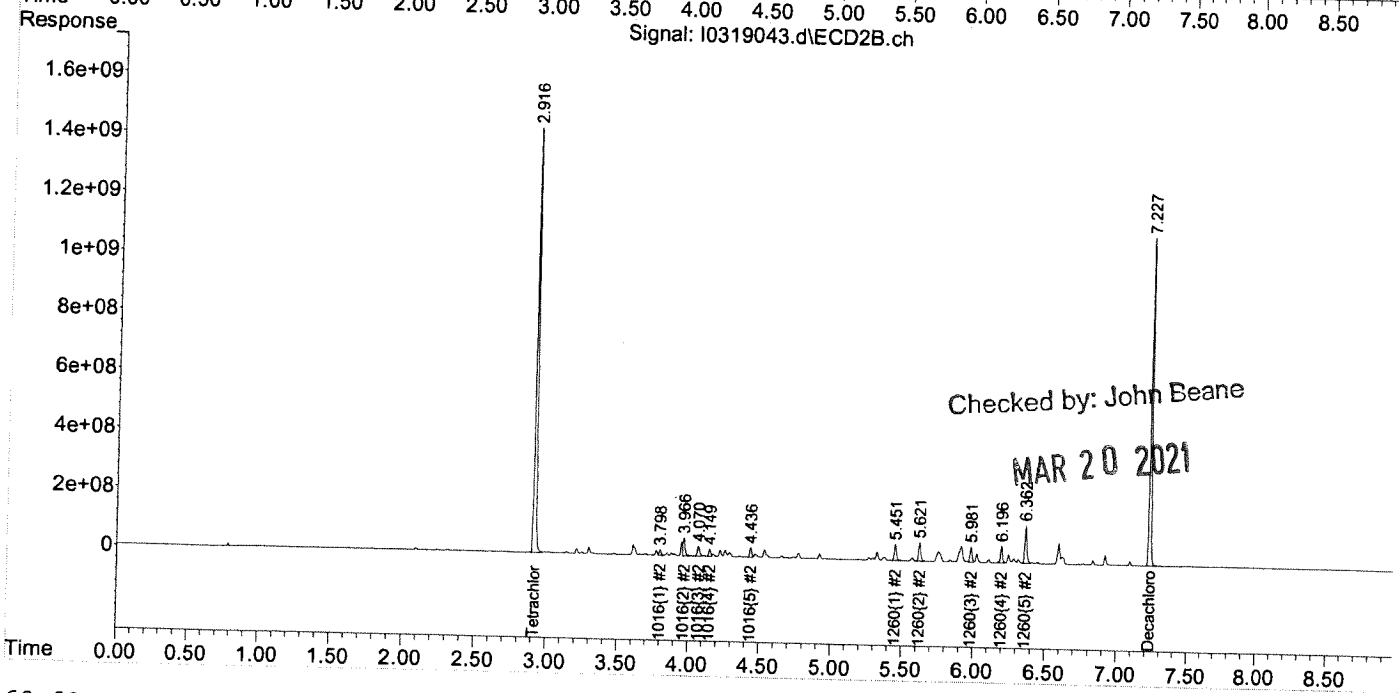
Inst : ECD 9

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Mar 19 20:00:42 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-031121.M
Quant Title : 1260/1016 02/23/21 02/02/21 ICAL 2100053
QLast Update : Wed Feb 24 09:46:40 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :

Signal #2 Phase:
Signal #2 Info :



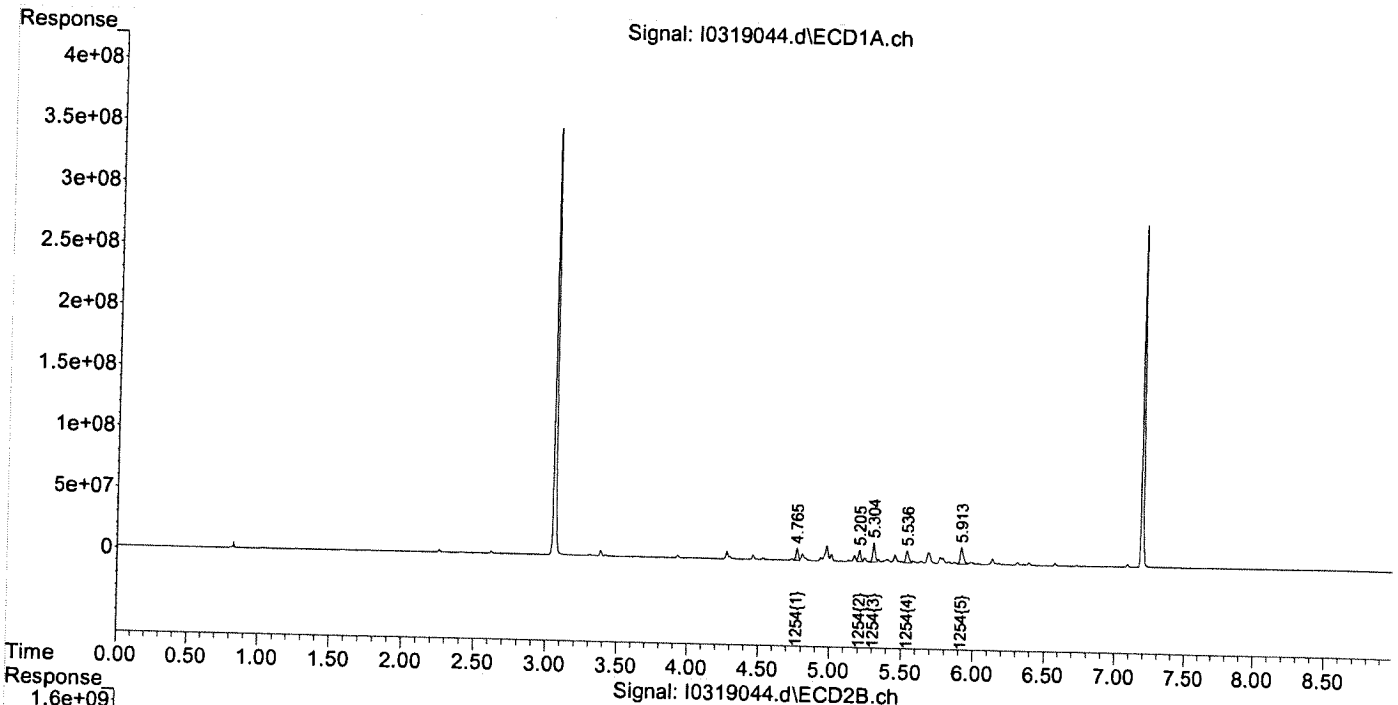


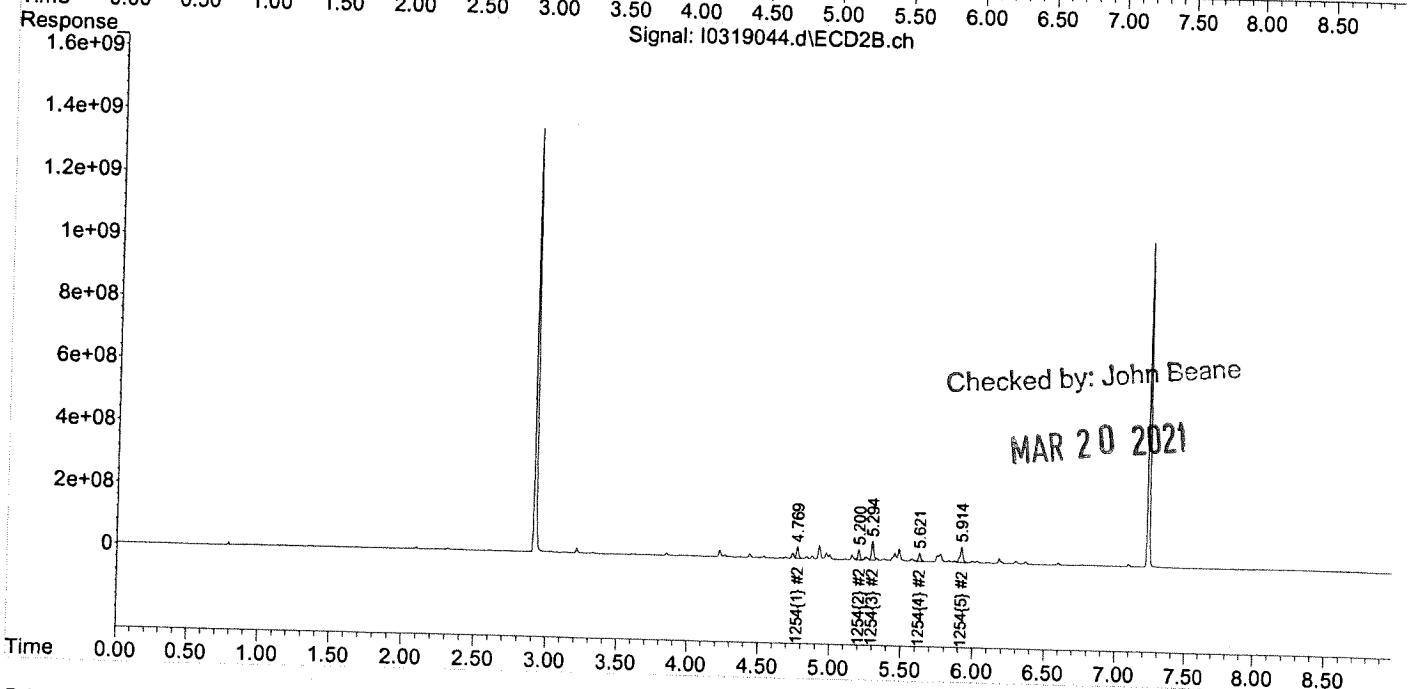
Checked by: John Beane
MAR 20 2021

Data Path : C:\msdchem\1\data\031921\
Data File : I0319044.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 7:02 pm
Operator : JMB
Sample : 1254 100
Misc :
Inst : ECD 9
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 21:20:19 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





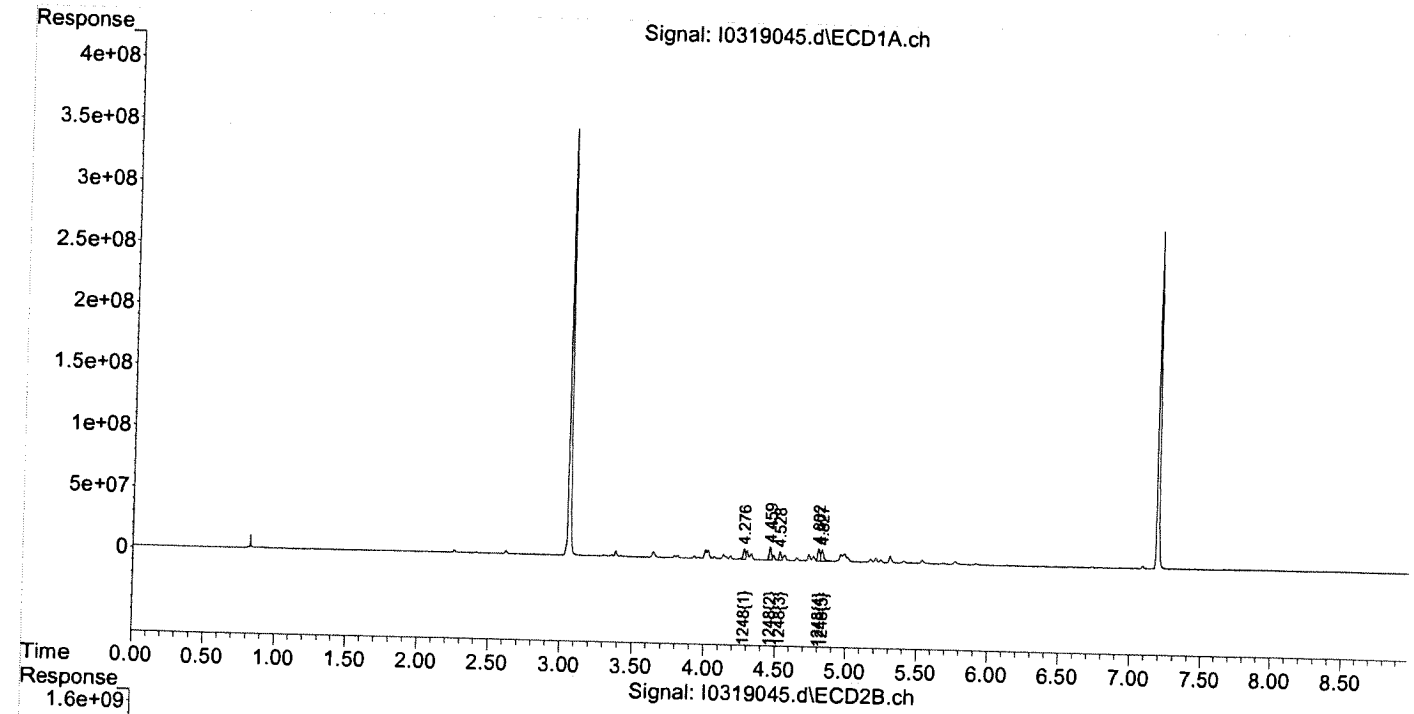
Checked by: John Beane

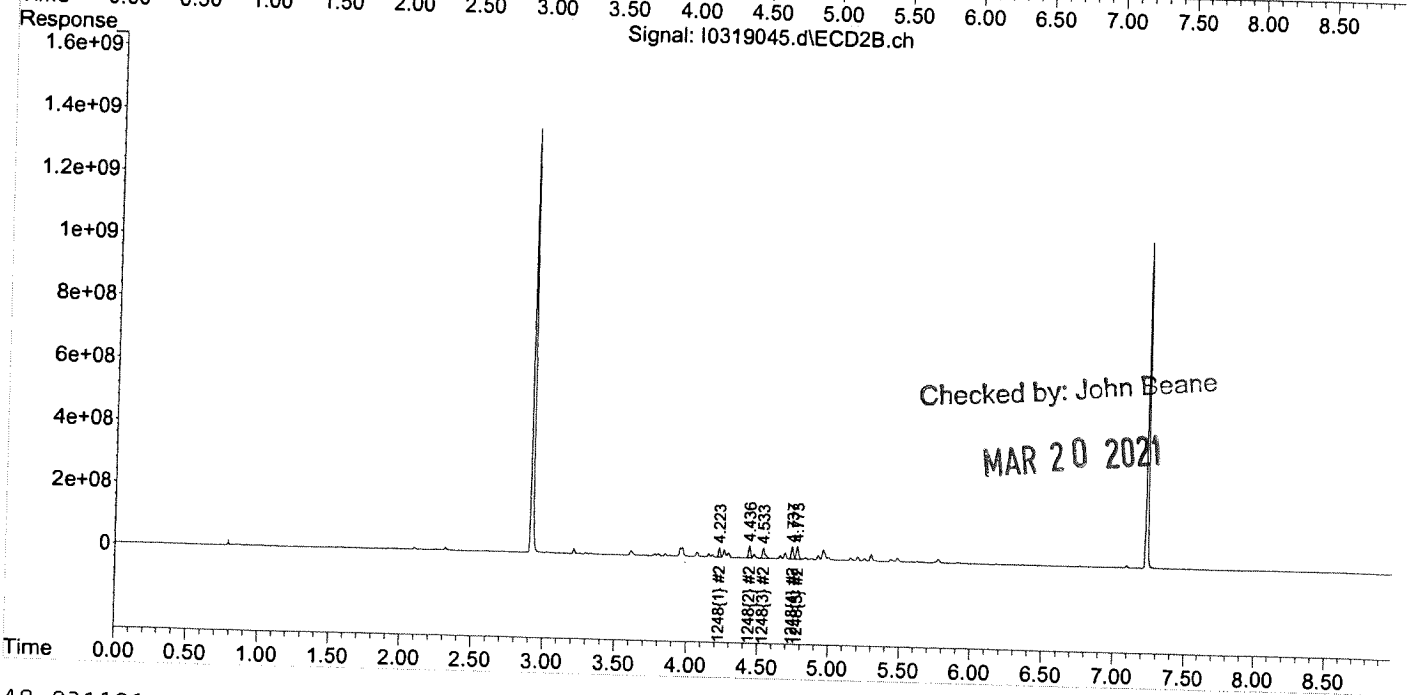
MAR 20 2021

Data Path : C:\msdchem\1\data\031921\
Data File : I0319045.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 7:15 pm
Operator : JMB
Sample : 1248 100
Misc :
Inst : ECD 9
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: F-1248.E
Integration File signal 2: B-1248.E
Quant Time: Mar 19 21:20:30 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1248-031121.M
Quant Title : 1248 02/22/21 10/14/20 ICAL 2100053
QLast Update : Tue Feb 23 11:56:44 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





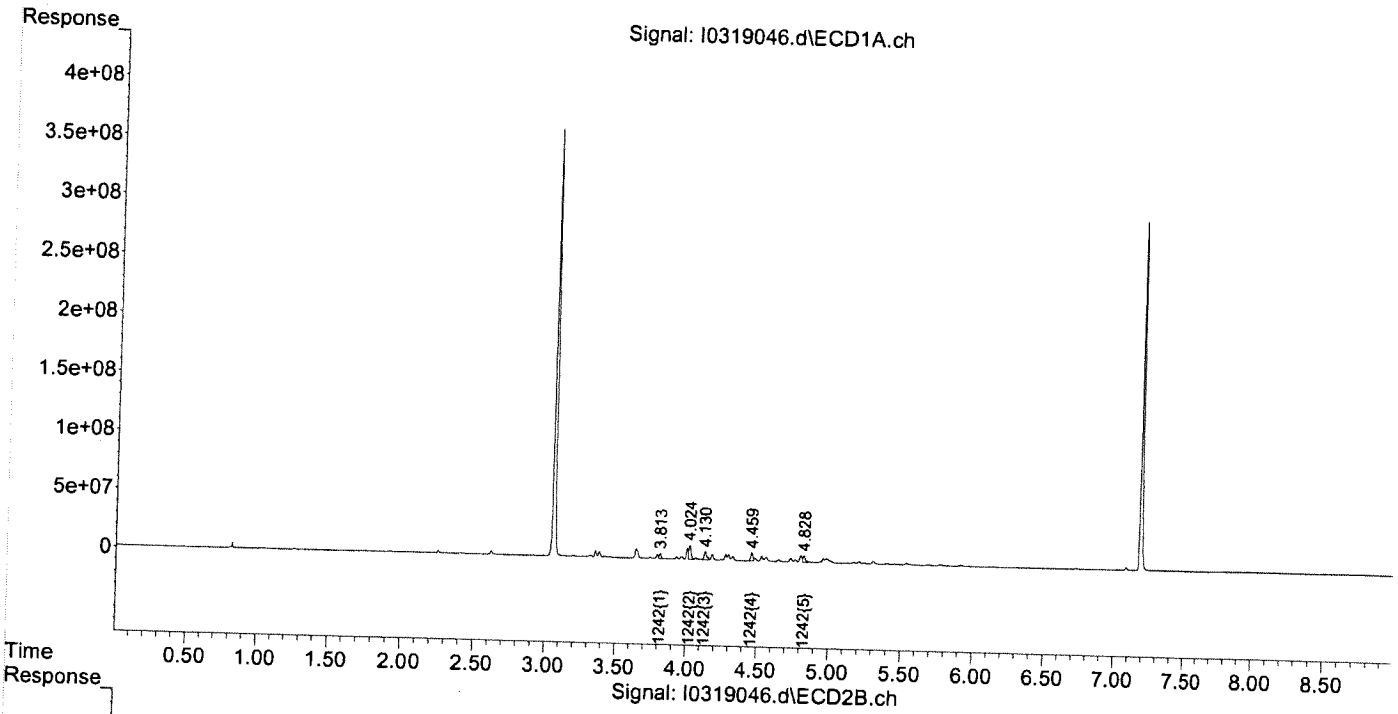
Checked by: John Beane

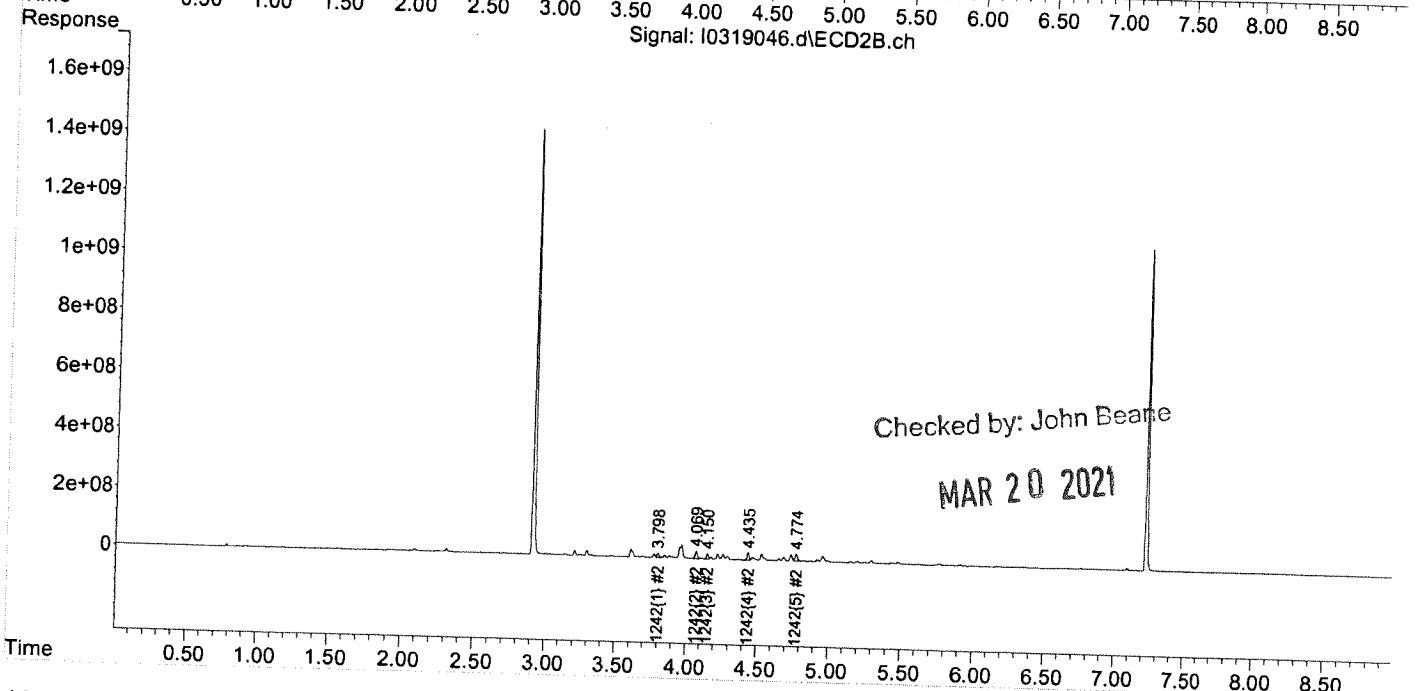
MAR 20 2021

Data Path : C:\msdchem\1\data\031921\
Data File : I0319046.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 7:27 pm
Operator : JMB
Sample : 1242 100
Misc :
Inst : ECD 9
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: F-1242.E
Integration File signal 2: B-1242.E
Quant Time: Mar 19 21:20:40 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1242-031121.M
Quant Title : 1242 02/22/21 09/28/20 ICAL 2100053
QLast Update : Tue Feb 23 12:00:11 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





Checked by: John Beane

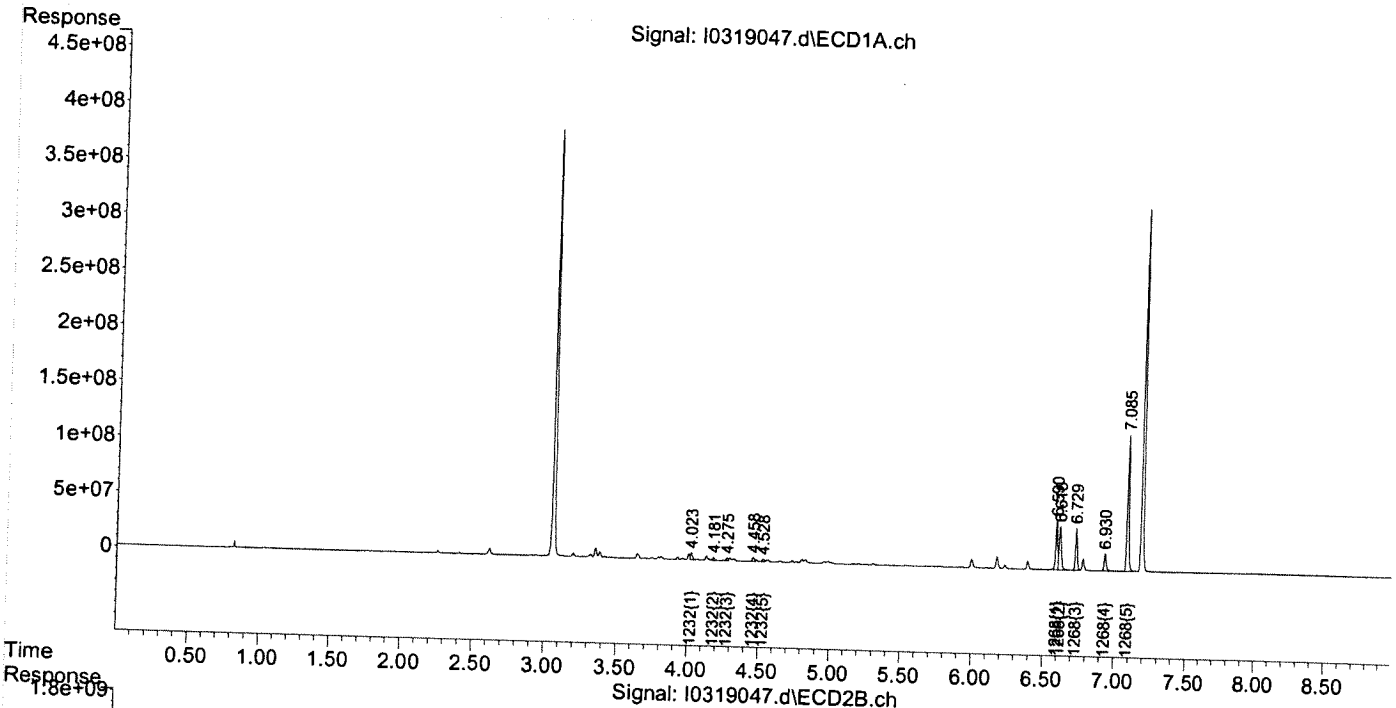
MAR 20 2021

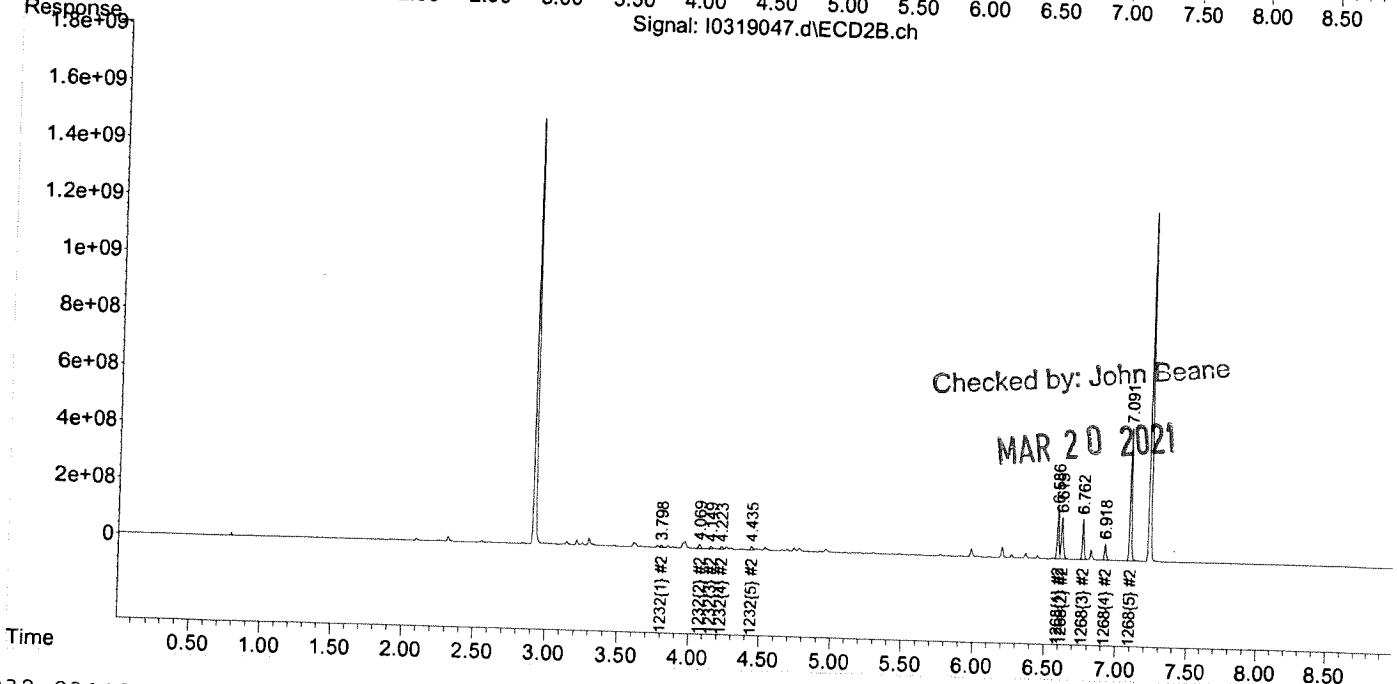
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319047.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 7:40 pm
Operator : JMB
Sample : 1232/1268 100
Misc :
Inst : ECD 9
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: F-1232.E
Integration File signal 2: B-1232.E
Quant Time: Mar 19 21:20:51 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1232-031121.M
Quant Title : 1232/1268 02/22/21 12/22/20 ICAL 2100053
QLast Update : Tue Feb 23 14:59:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





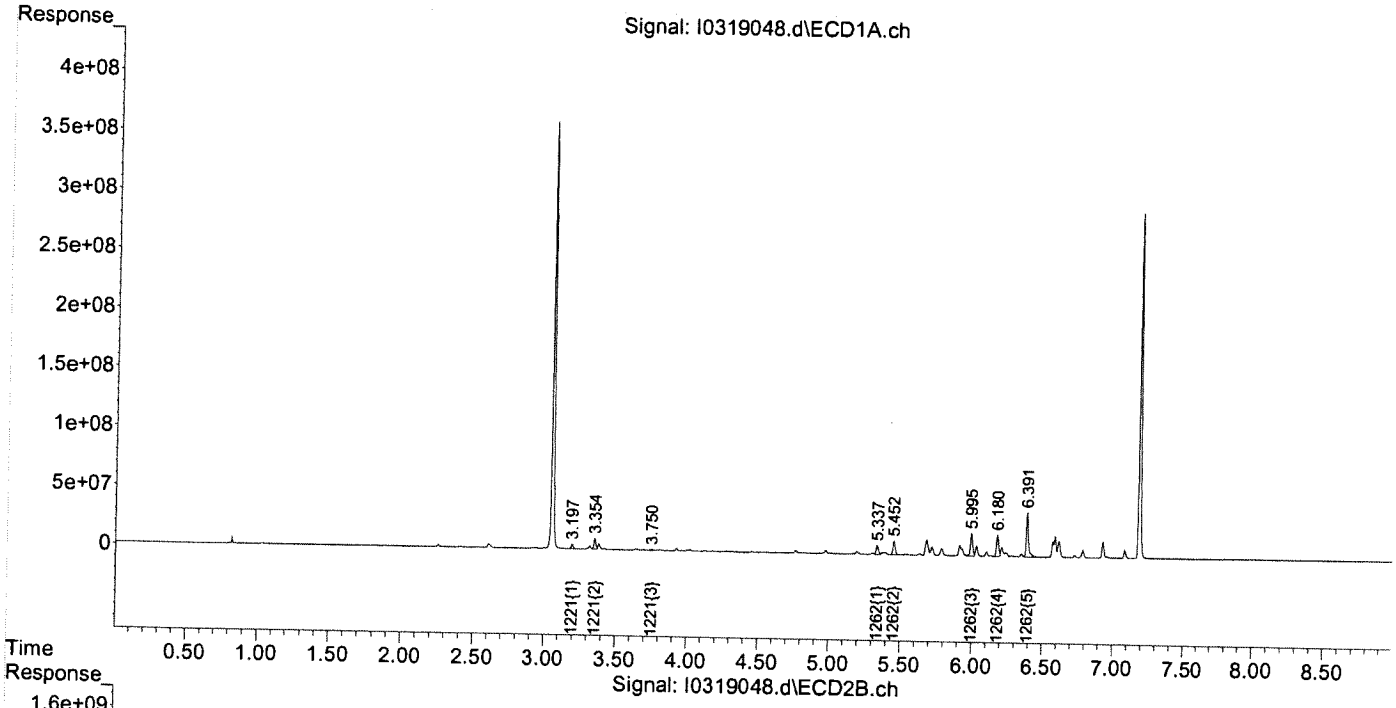
Checked by: John Beane
MAR 20 2021

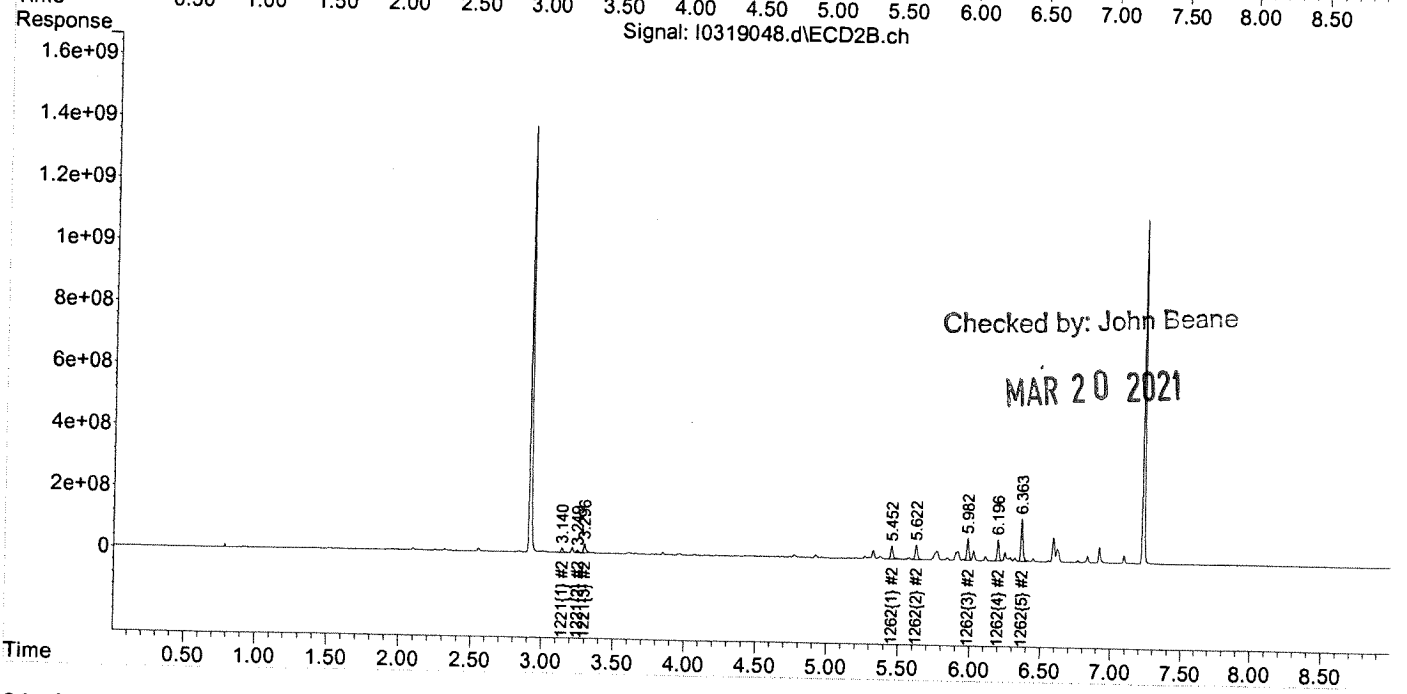
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319048.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 7:52 pm
Operator : JMB
Sample : 1221/1262 100 Inst : ECD 9
Misc :
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: F-1221.E
Integration File signal 2: B-1221.E
Quant Time: Mar 19 21:21:10 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1221-031121.M
Quant Title : 1221/1262 02/23/21 12/29/20 ICAL 2100053
QLast Update : Wed Feb 24 09:48:50 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





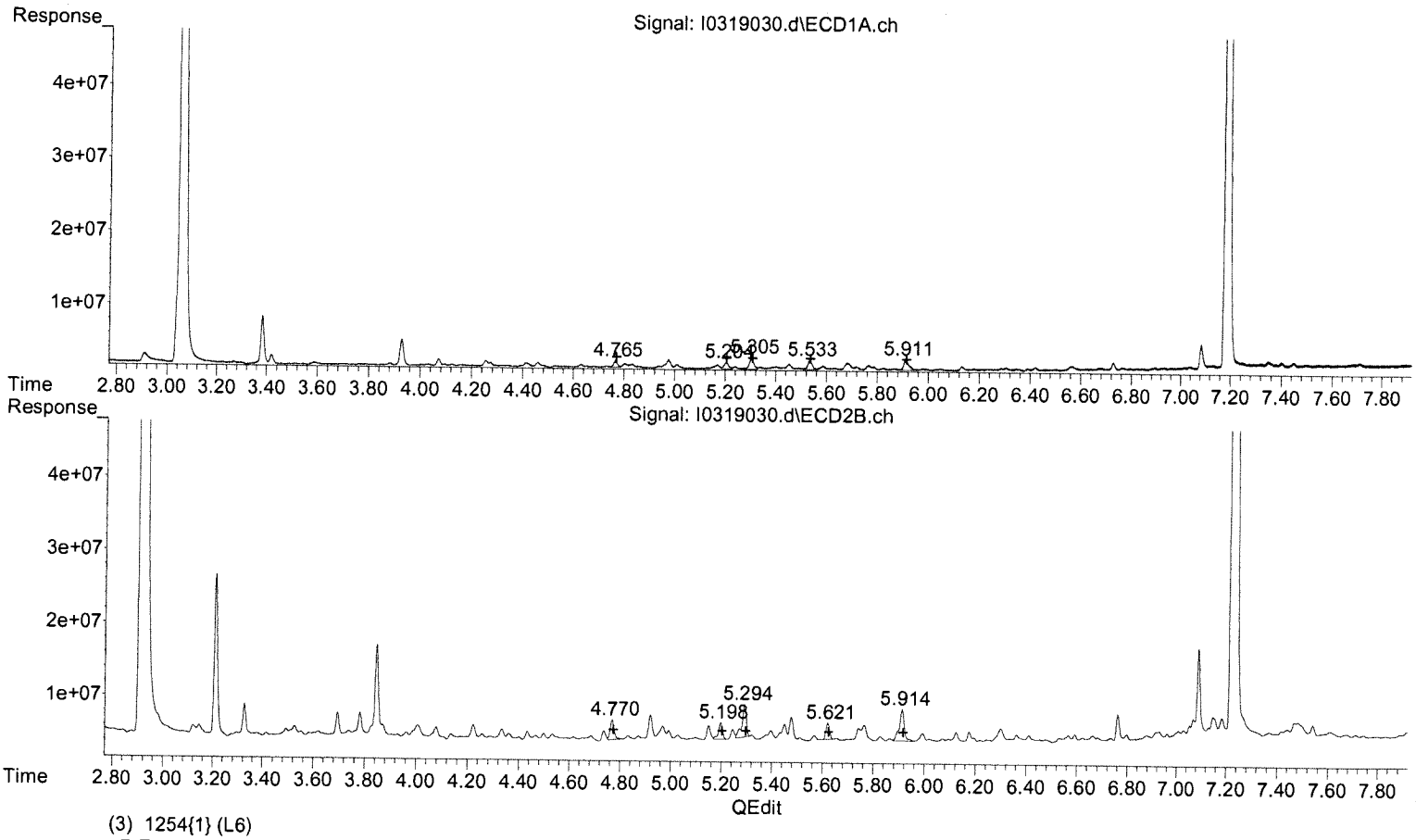
Checked by: John Beane

MAR 20 2021

Data Path : C:\msdchem\1\data\031921\
Data File : I0319030.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 3:03 pm
Operator : JMB
Sample : 21C0909-01@TBA Inst : ECD 9
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:55:30 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.77	10222576	9.55
5.20	11750009	9.99
5.30	20687428	10.90
5.53	16329417	11.24
5.91	21287643	10.60

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	30983855	7.53
5.20	25640215	7.09
5.29	56017452	8.83
5.62	22852942	7.27
5.91	59294325	8.66

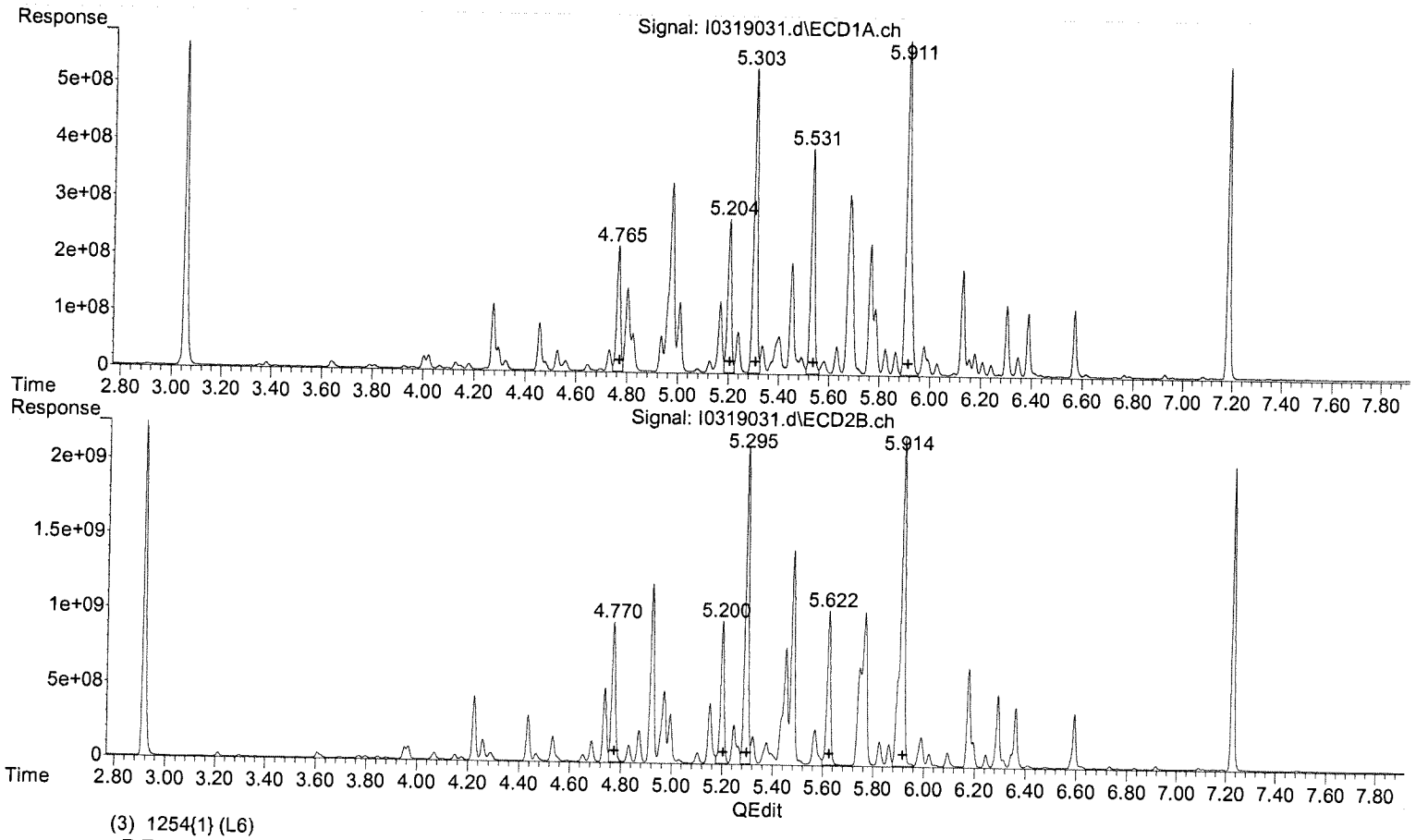
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 05:14:21 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319031.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 3:21 pm
Operator : JMB
Sample : 21C0909-02@TBA Inst : ECD 9
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 17:20:20 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.77	2236558128	2088.38
5.20	2862008824	2432.33
5.30	5418798583	2855.00
5.53	4169441035	2868.90
5.91	7549462038	3760.96

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	9601935669	2333.65
5.20	9393521002	2597.67
5.30	20013629095	3156.14
5.62	10558121666	3356.48
5.92	27039604015	3947.94

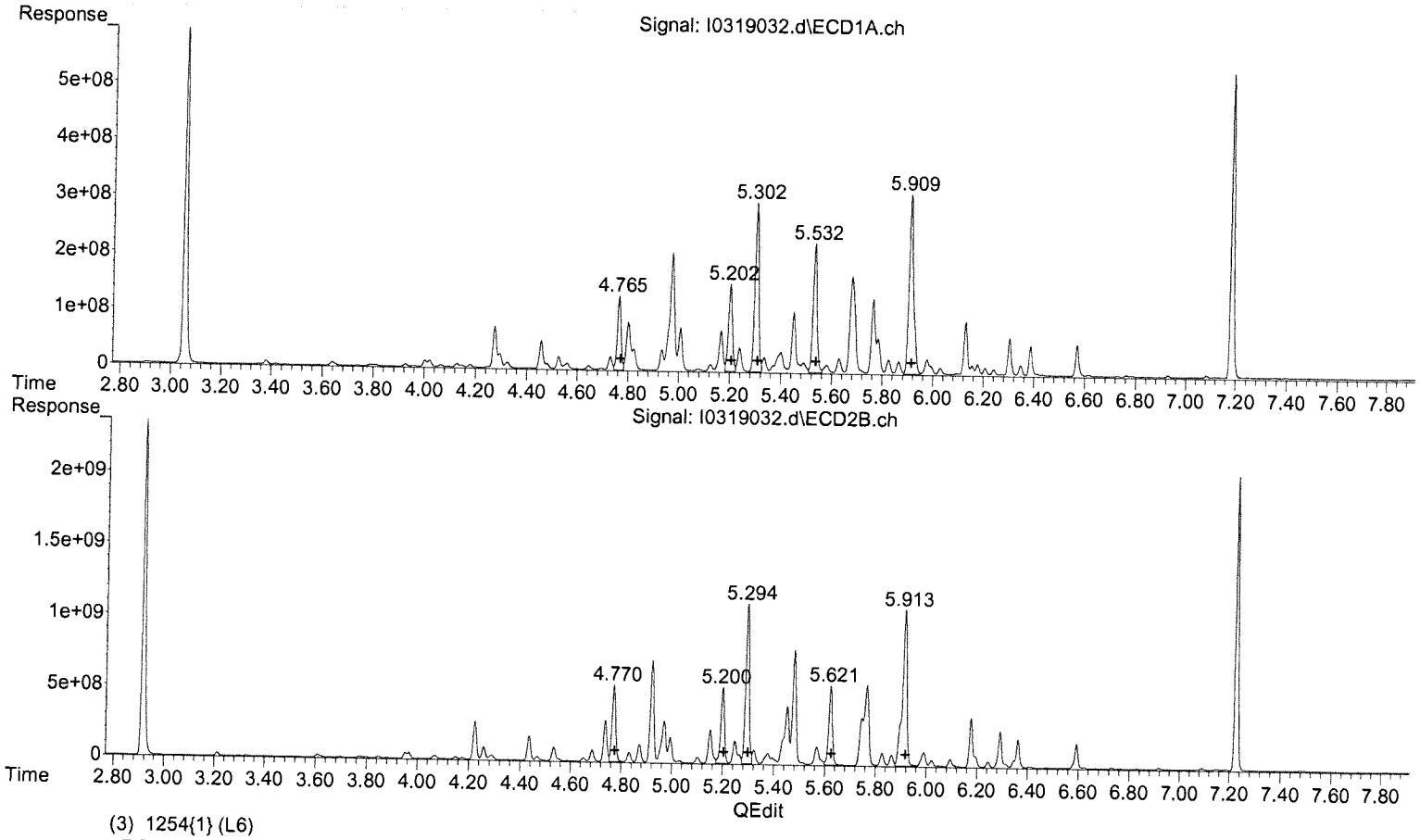
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 05:15:27 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319032.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 3:38 pm
Operator : JMB
Sample : 21C0909-03@TBA Inst : ECD 9
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 17:21:55 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	1313666360	1226.63
5.20	1649084816	1401.51
5.30	3065642284	1615.19
5.53	2461702650	1693.85
5.91	4006181378	1995.78

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	5565304020	1352.59
5.20	5451094221	1507.44
5.29	10938488902	1724.99
5.62	5787207833	1839.78
5.91	13930446202	2033.93

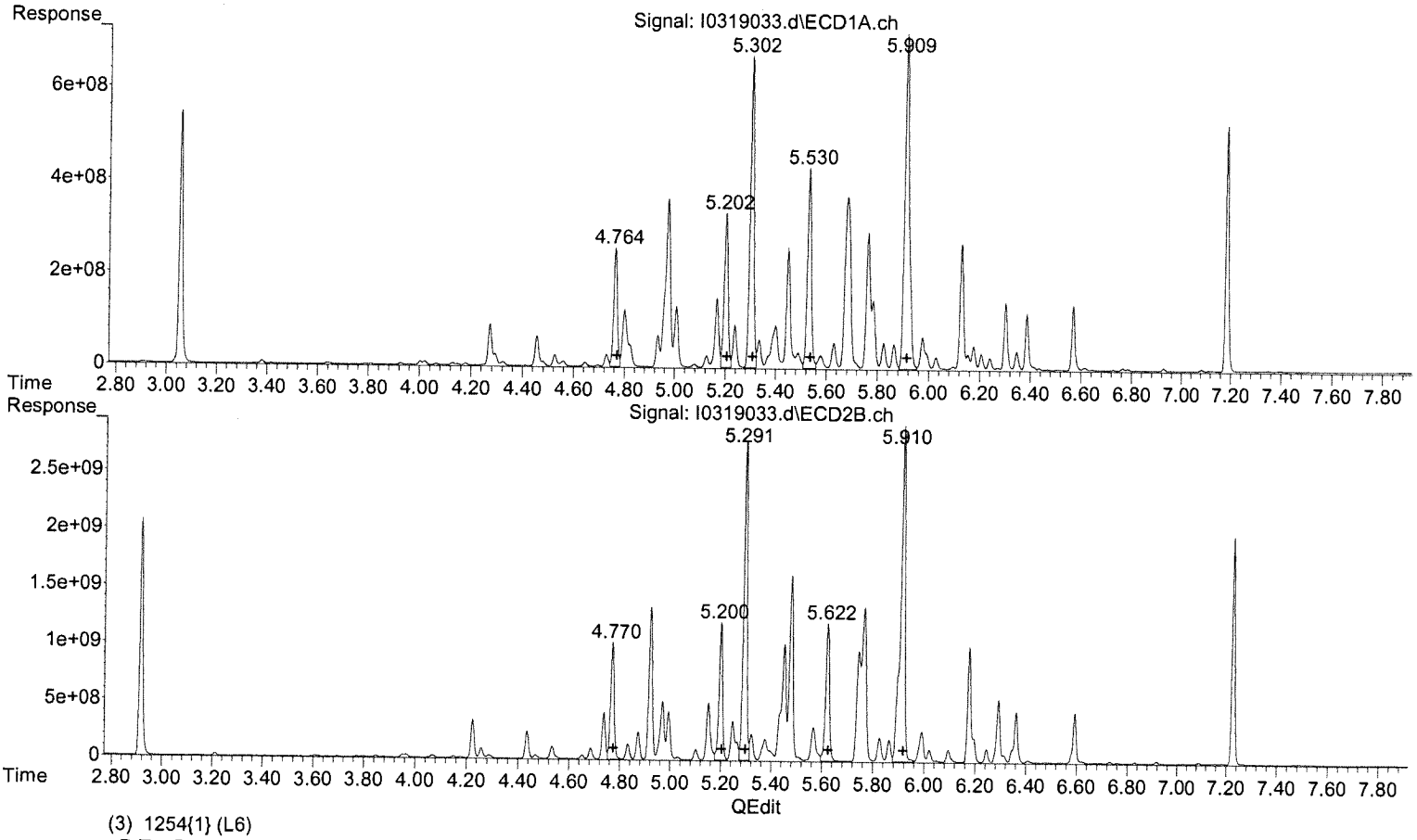
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 05:16:05 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319033.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 3:56 pm
Operator : JMB
Sample : 21C0909-04@TBA Inst : ECD 9
Misc :
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 17:22:51 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	2560713662	2391.06
5.20	3577451931	3040.36
5.30	6936424555	3654.59
5.53	4683191734	3222.41
5.91	9398144578	4681.93

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	10183124485	2474.90
5.20	11884651316	3286.56
5.30	24494727407	3862.81
5.62	12582191862	3999.94
5.92	32685716689	4772.31

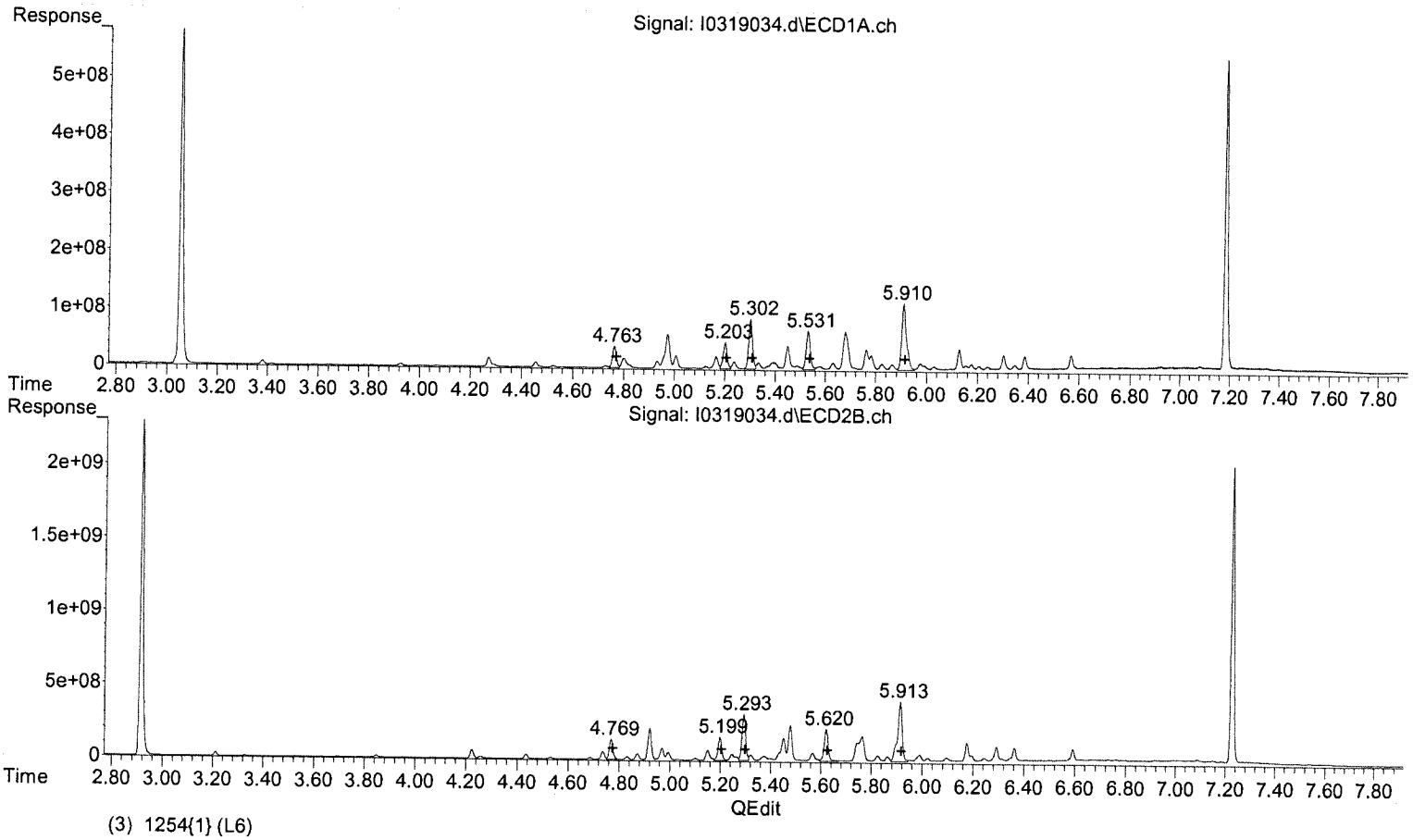
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 05:16:42 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319034.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 4:13 pm
Operator : JMB
Sample : 21C0909-05@TBA Inst : ECD 9
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 17:36:12 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	390823369	364.93
5.20	500899834	425.70
5.30	904187199	476.39
5.53	763868167	525.60
5.91	1533294935	763.85

(3) 1254{1}#2 (L6)

R.T.	Response	Conc
4.77	1382153316	335.92
5.20	1601887329	442.98
5.29	3180454617	501.56
5.62	2344450885	745.31
5.91	5318102849	776.47

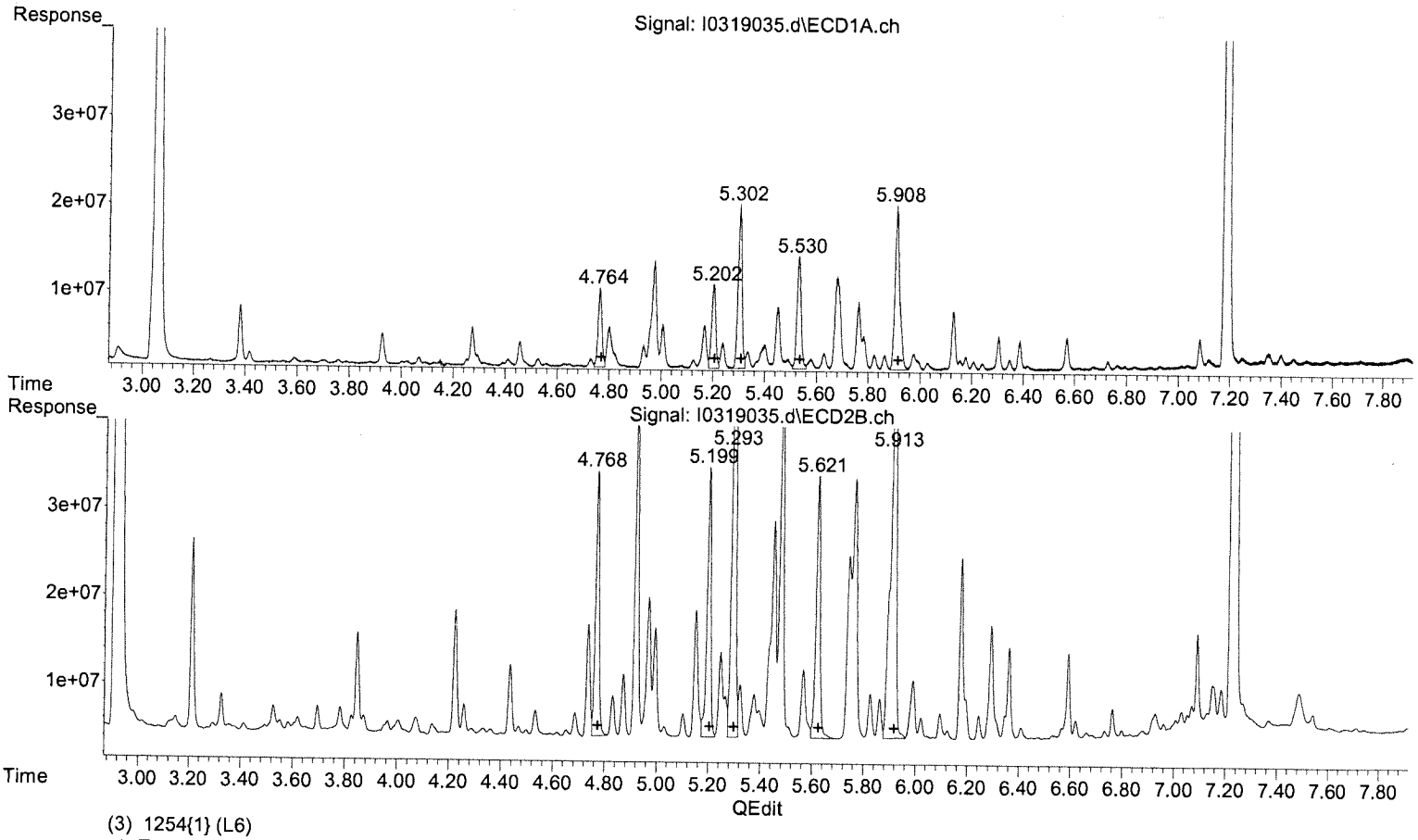
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319035.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 4:31 pm
Operator : JMB
Sample : 21C0909-06@TBA Inst : ECD 9
Misc :
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 19:55:37 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	94575752	88.31
5.20	107958778	91.75
5.30	198664586	104.67
5.53	145694528	100.25
5.91	240735031	119.93

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	304640492	74.04
5.20	316092372	87.41
5.29	659051297	103.93
5.62	325453193	103.46
5.91	758228250	110.71

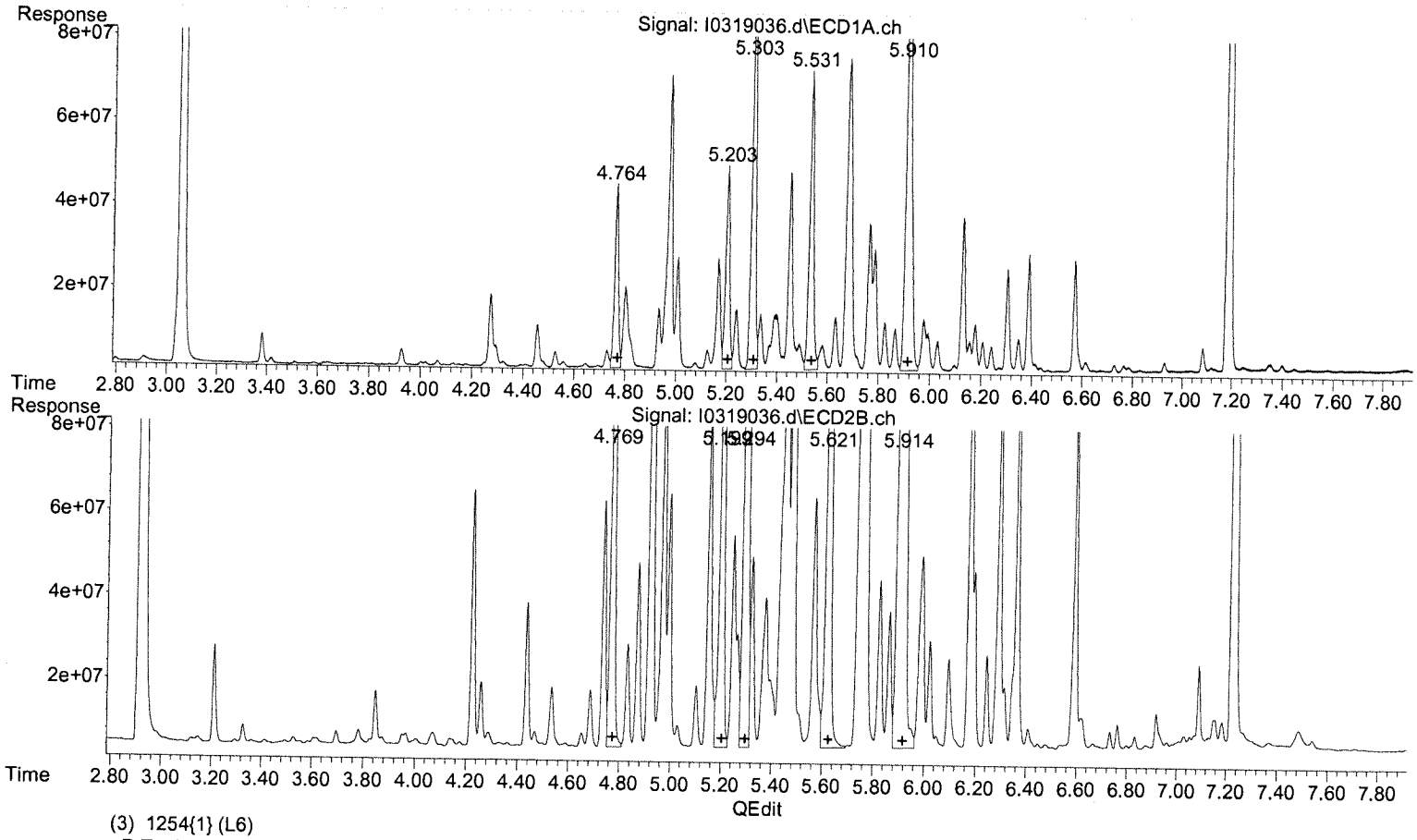
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319036.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 4:48 pm
Operator : JMB
Sample : 21C0909-07@TBA Inst : ECD 9
Misc :
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 19:55:41 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	450303968	420.47
5.20	532168868	452.27
5.30	1038604577	547.21
5.53	796424054	548.00
5.91	1655077357	824.52

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	1623889252	394.67
5.20	1809880077	500.50
5.29	3709286272	584.95
5.62	2580388080	820.32
5.91	5751234469	839.71

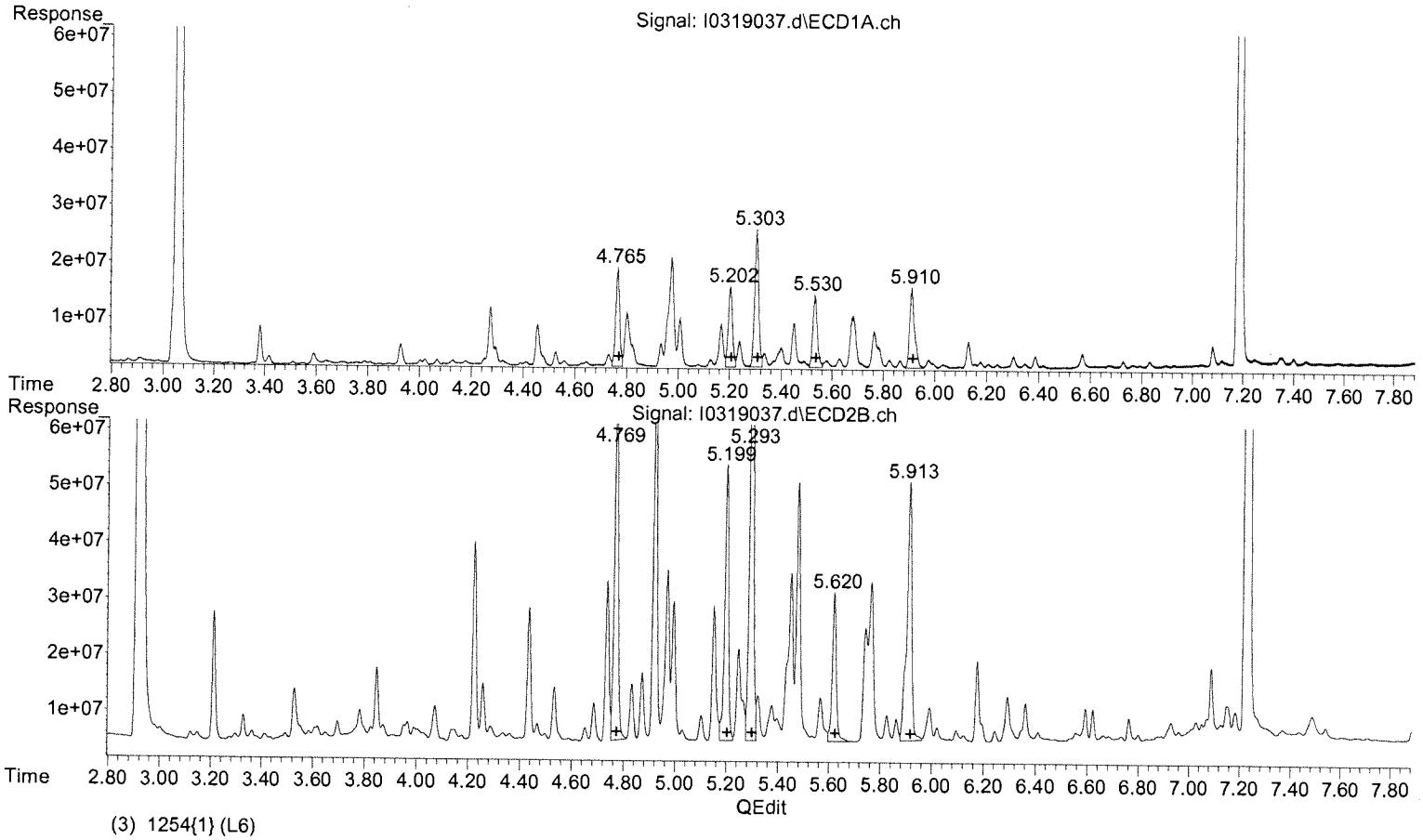
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319037.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 5:05 pm
Operator : JMB
Sample : 21C0909-08@TBA Inst : ECD 9
Misc :
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 10:24:09 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	184725438	172.49
5.20	161406228	137.17
5.30	267733353	141.06
5.53	155463240	106.97
5.91	187004148	93.16

(3) 1254{1}#2 (L6)

R.T.	Response	Conc
4.77	658230791	159.98
5.20	511412383	141.43
5.29	933040471	147.14
5.62	296462171	94.25
5.91	620647114	90.62

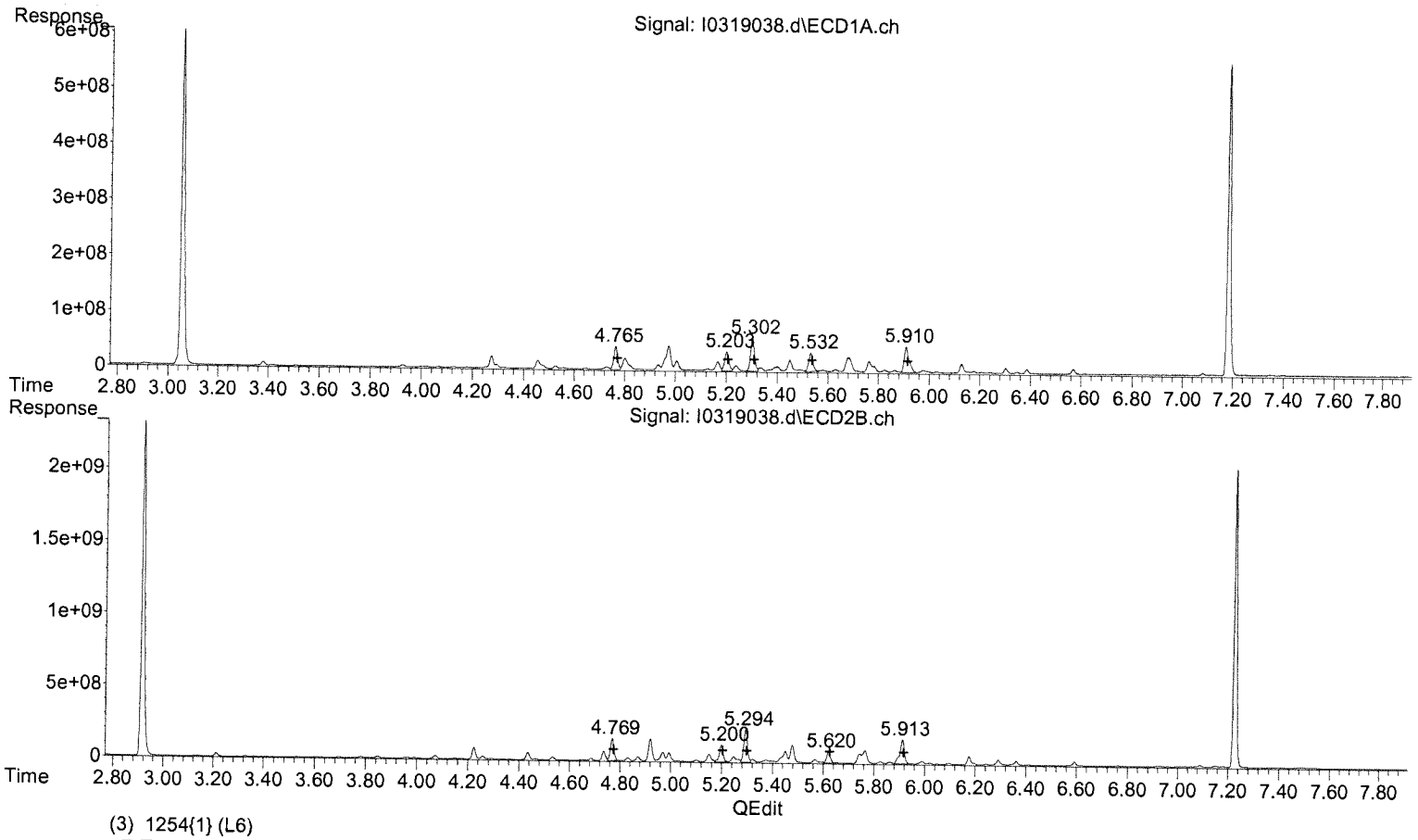
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319038.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 5:23 pm
Operator : JMB
Sample : 21C0909-09@TBA Inst : ECD 9
Misc :
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 10:34:15 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	435963896	407.08
5.20	396224933	336.74
5.30	637456476	335.86
5.53	396197799	272.62
5.91	610960355	304.37

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	1554865005	377.89
5.20	1226264896	339.11
5.29	2242060113	353.57
5.62	872584541	277.40
5.91	2133599988	311.52

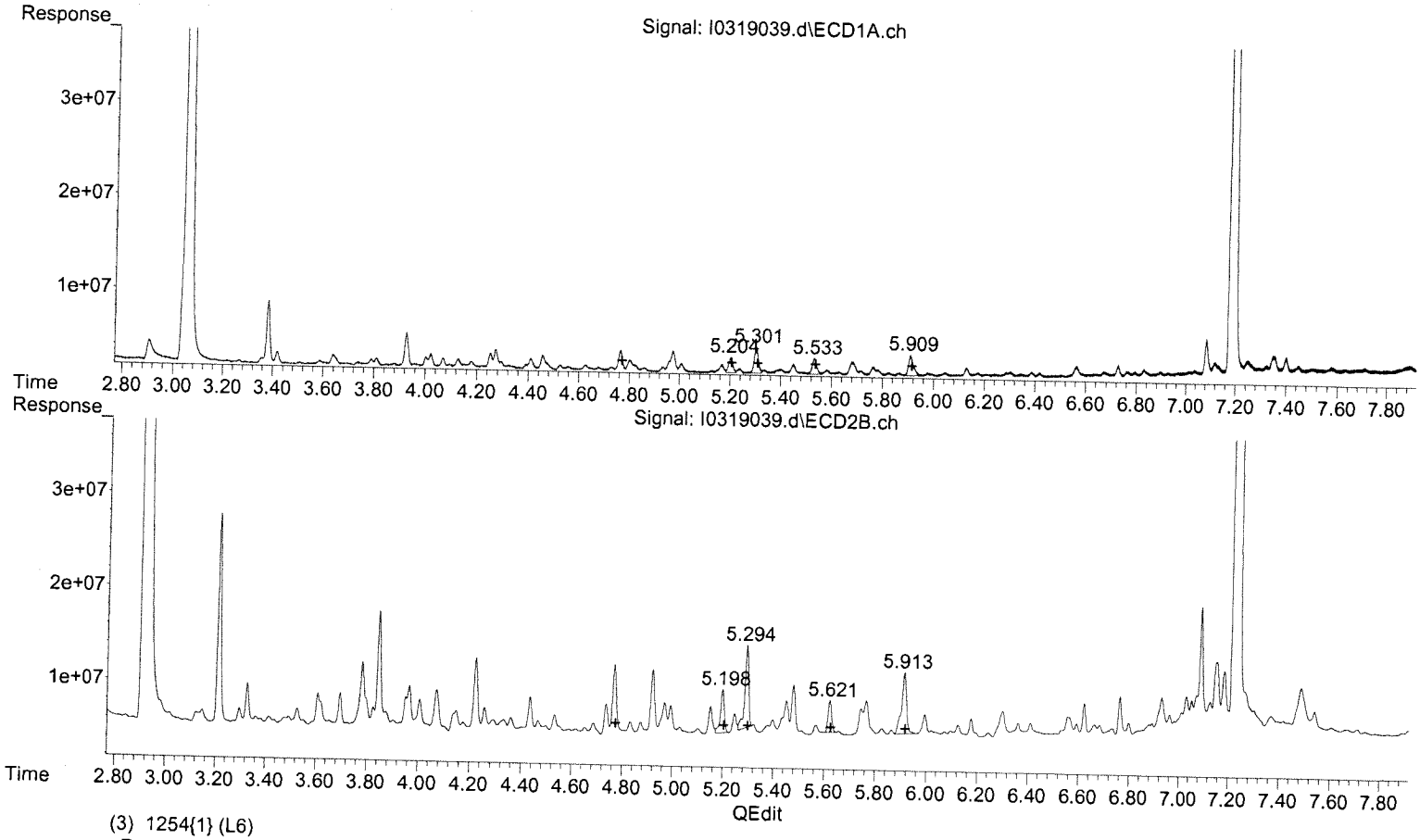
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 10:35:52 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319039.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 5:40 pm
Operator : JMB
Sample : 21C0909-10@TBA Inst : ECD 9
Misc :
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 05:38:33 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
0.00	0	0.00
5.20	18571439	15.78
5.30	31161410	16.42
5.53	20783556	14.30
5.91	29743061	14.82

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
0.00	0	0.00
5.20	51548513	14.26
5.29	94472435	14.90
5.62	32694636	10.39
5.91	88434771	12.91

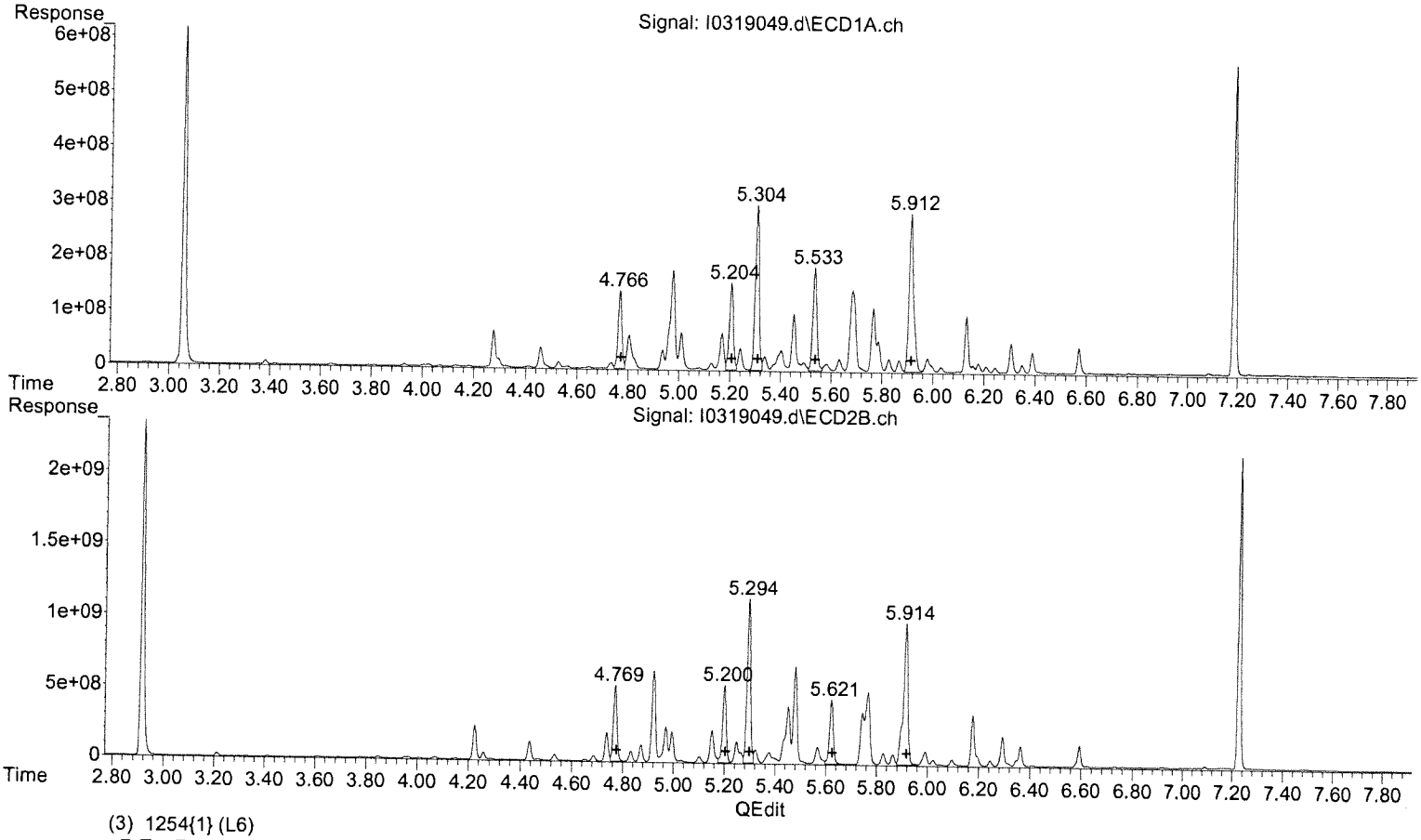
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319049.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 8:05 pm
Operator : JMB
Sample : 21C0909-11@TBA Inst : ECD 9
Misc :
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 21:24:15 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.77	1476211559	1378.41
5.21	1698997663	1443.93
5.30	3132158327	1650.24
5.53	2092346181	1439.70
5.91	3648047731	1817.37

(3) 1254{1}#2 (L6)

R.T.	Response	Conc
4.77	5317933158	1292.47
5.20	5466631305	1511.73
5.29	11177890769	1762.75
5.62	4737095399	1505.95
5.91	12658997562	1848.29

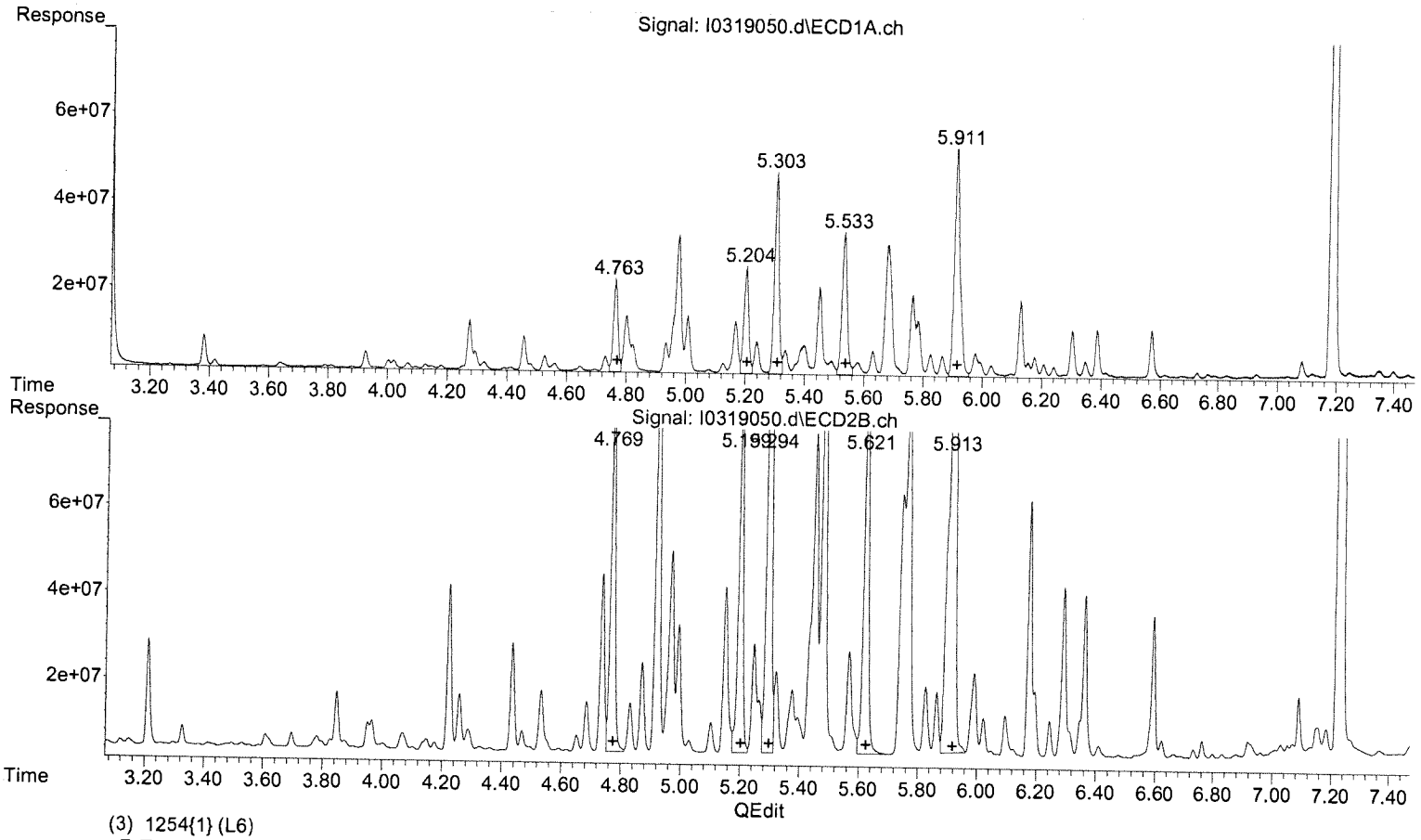
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 06:23:31 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319050.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 8:22 pm
Operator : JMB
Sample : 21C0909-12@TBA Inst : ECD 9
Misc :
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 21:45:32 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	224641505	209.76
5.20	276792023	235.24
5.30	499339516	263.09
5.53	397524563	273.53
5.91	710951997	354.18

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	877865010	213.36
5.20	870251011	240.66
5.29	1744212497	275.06
5.62	1047864101	333.12
5.91	2391703118	349.20

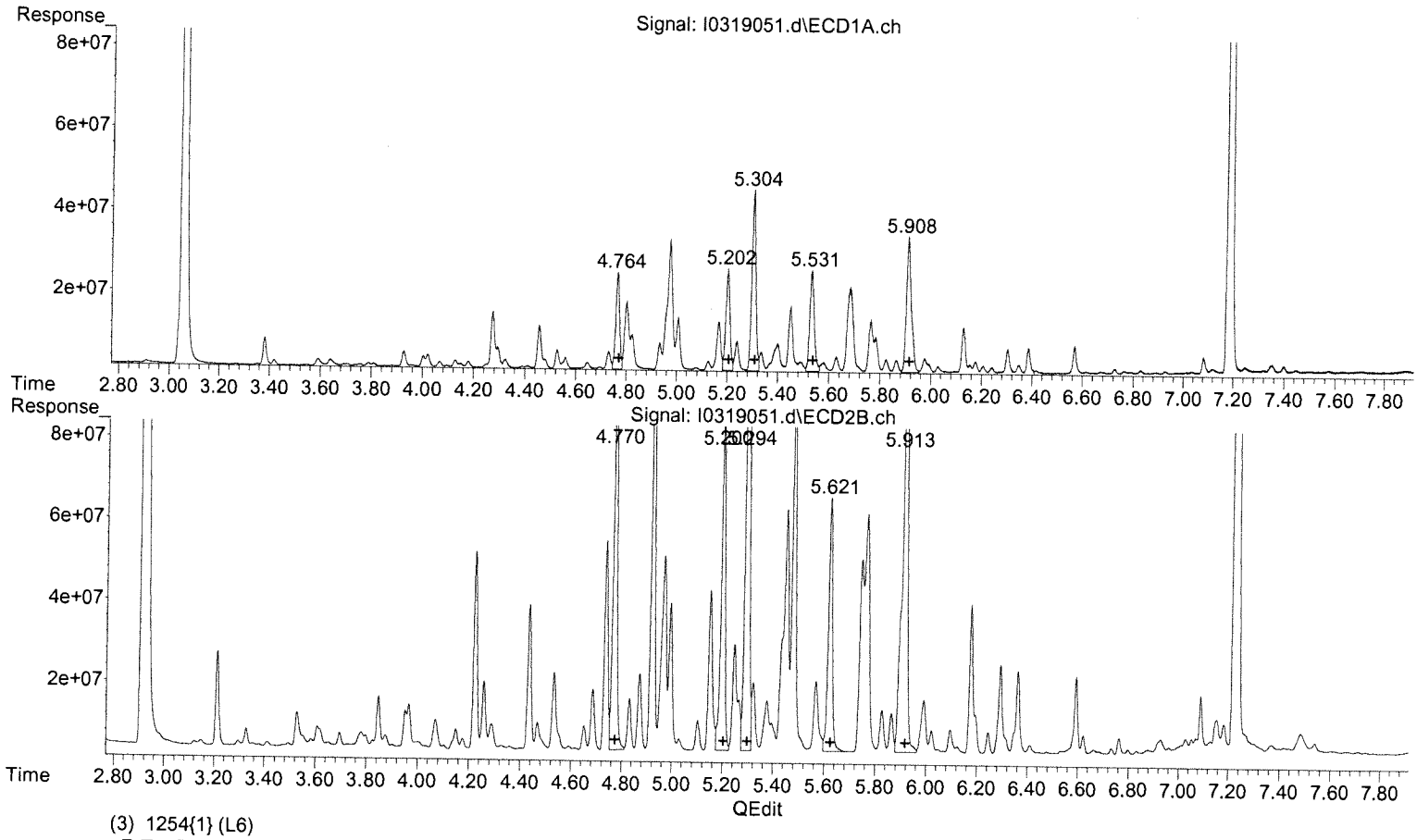
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 06:24:51 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319051.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 8:39 pm
Operator : JMB
Sample : 21C0909-13@TBA Inst : ECD 9
Misc :
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:21 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	252362927	235.64
5.20	281816226	239.51
5.30	485786518	255.95
5.53	300887496	207.03
5.91	451637124	224.99

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	1029938223	250.32
5.20	910703959	251.84
5.29	1730385429	272.88
5.62	686378433	218.20
5.91	1543874743	225.41

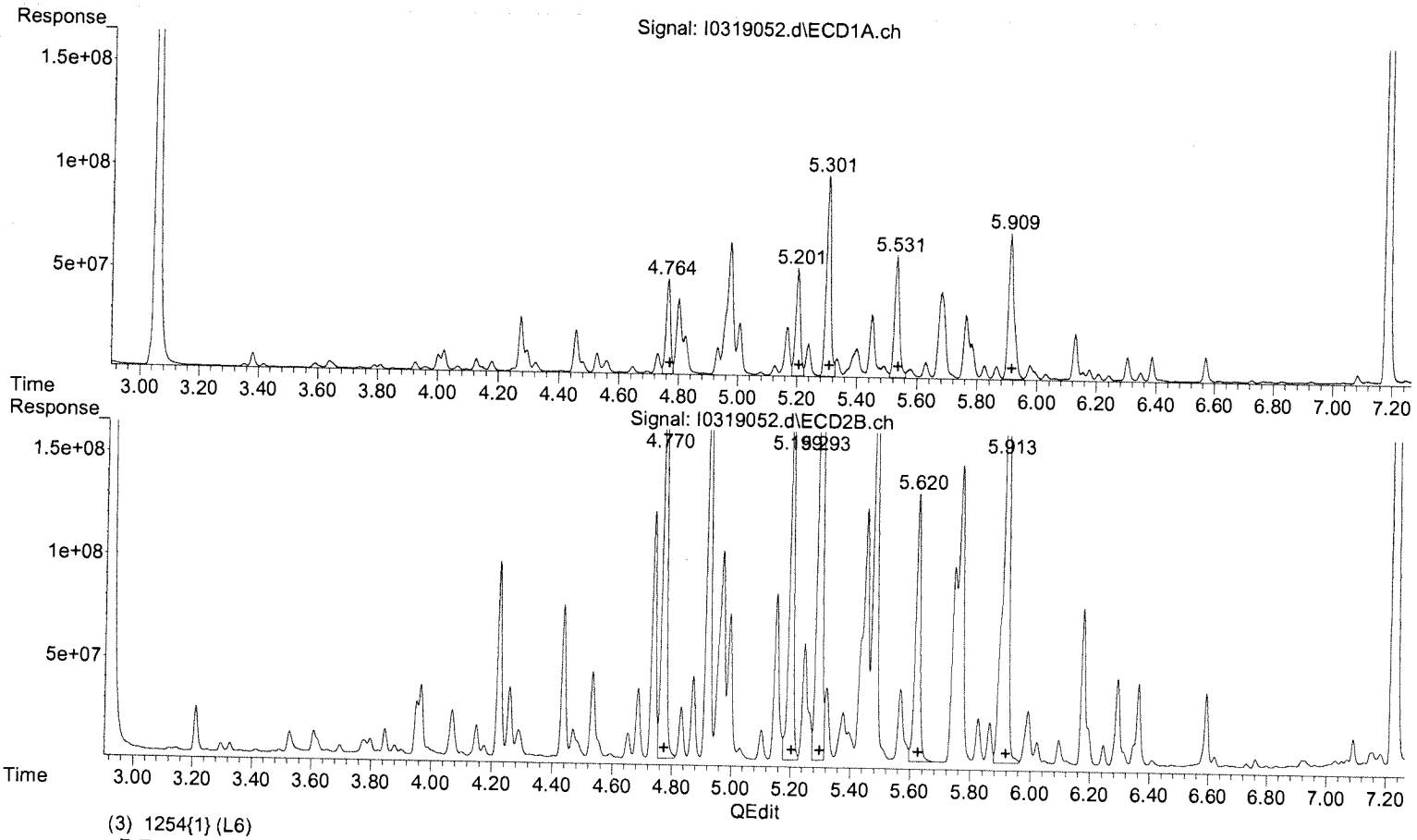
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 06:30:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319052.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 8:57 pm
Operator : JMB
Sample : 21C0909-14@TBA Inst : ECD 9
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:25 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	476217647	444.67
5.20	578812248	491.91
5.30	1057522724	557.18
5.53	693016678	476.85
5.91	939142013	467.86

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	2136448042	519.24
5.20	1926781006	532.83
5.29	3741556084	590.04
5.62	1420301169	451.52
5.91	3284338821	479.53

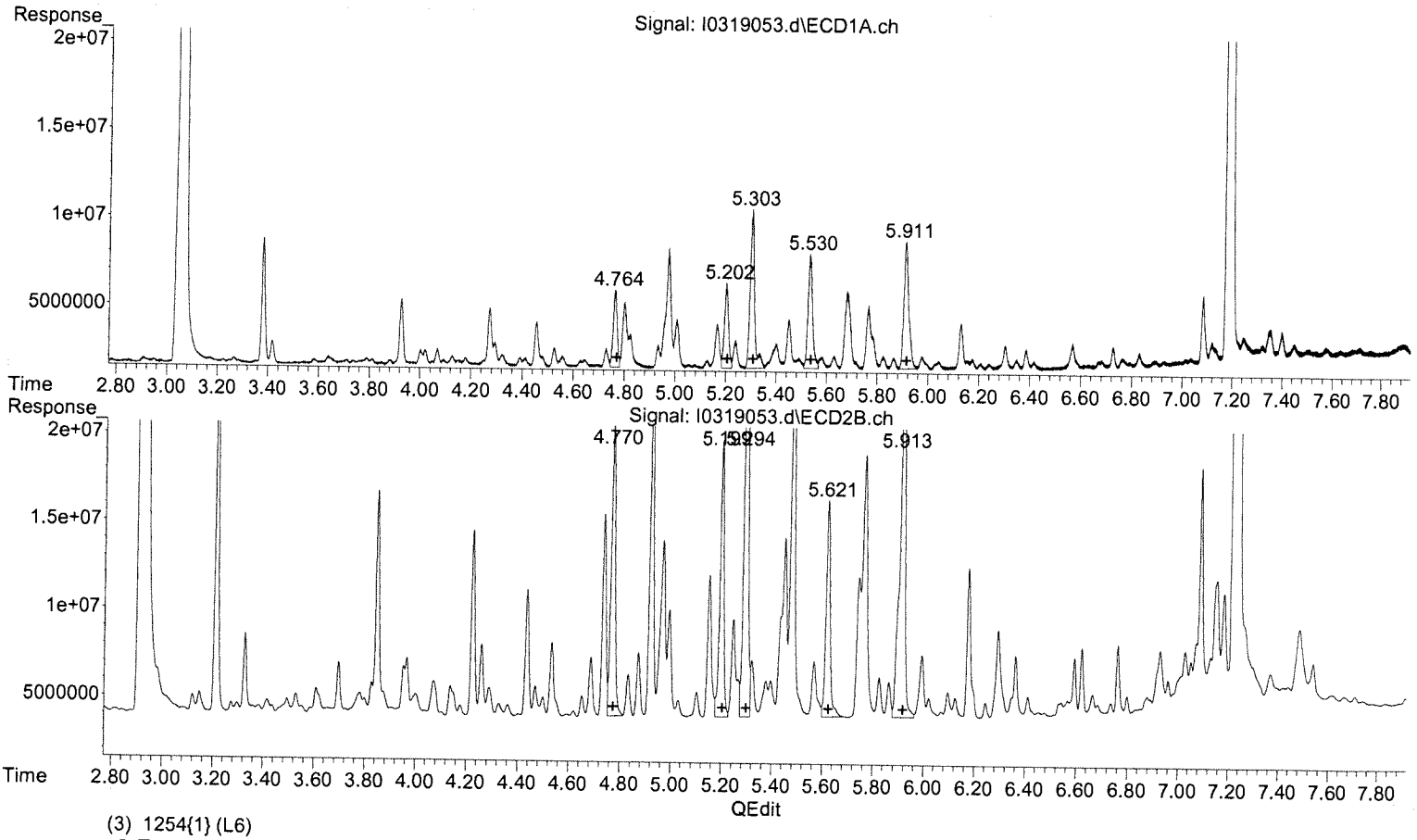
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319053.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 9:14 pm
Operator : JMB
Sample : 21C0909-15@TBA Inst : ECD 9
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:29 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	46408198	43.33
5.20	54155899	46.03
5.30	108988018	57.42
5.53	82201725	56.56
5.91	98486551	49.06

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	187482274	45.57
5.20	167878362	46.42
5.29	336266275	53.03
5.62	145205777	46.16
5.91	322395931	47.07

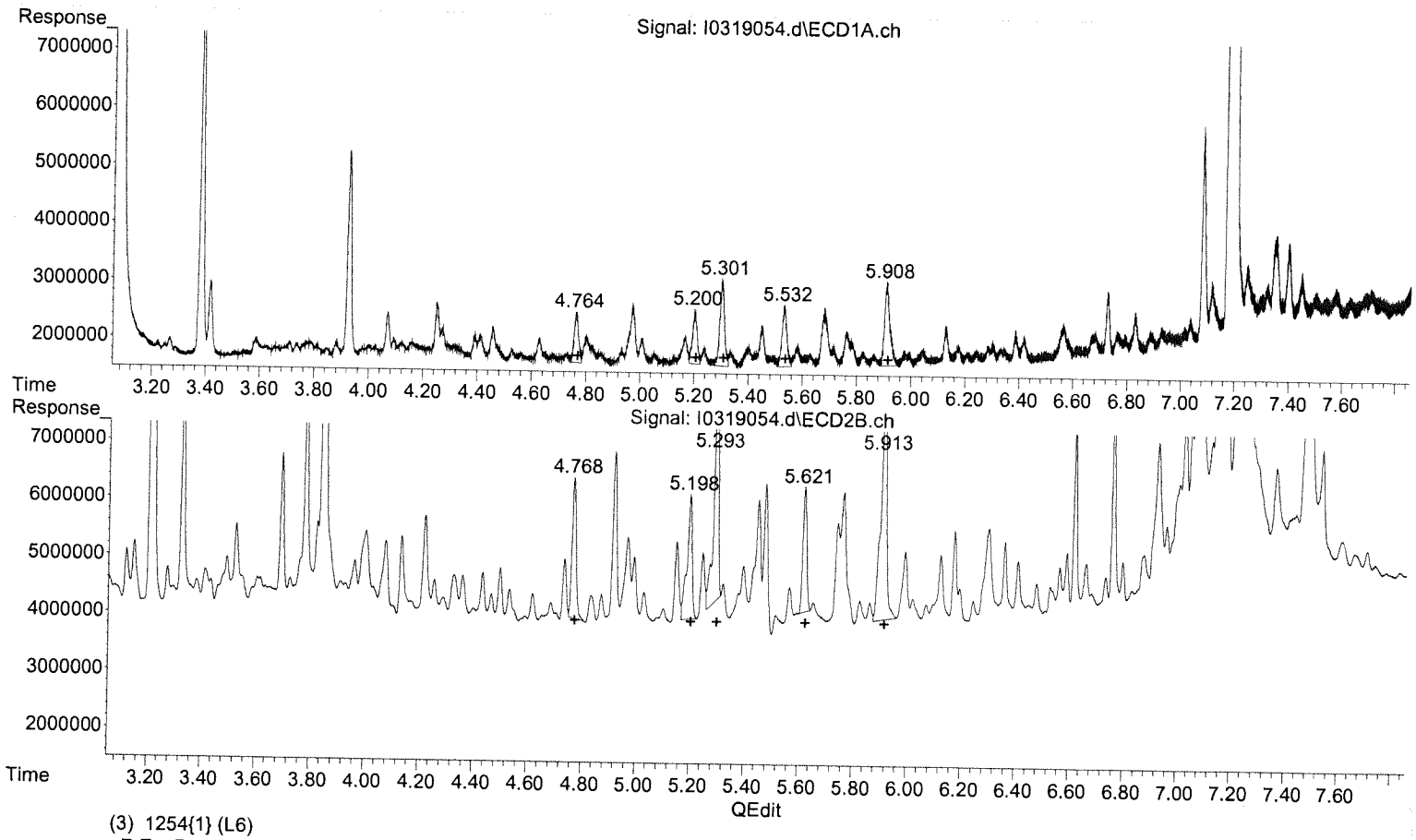
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319054.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 9:32 pm
Operator : JMB
Sample : 21C0909-16@TBA Inst : ECD 9
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:33 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	9831402	9.18
5.20	10976172	9.33
5.30	18453209	9.72
5.53	13843196	9.53
5.91	20389368	10.16

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	25647835	6.23
5.20	28374820	7.85
5.29	48473030	7.64
5.62	21407351	6.81
5.91	60076749	8.77

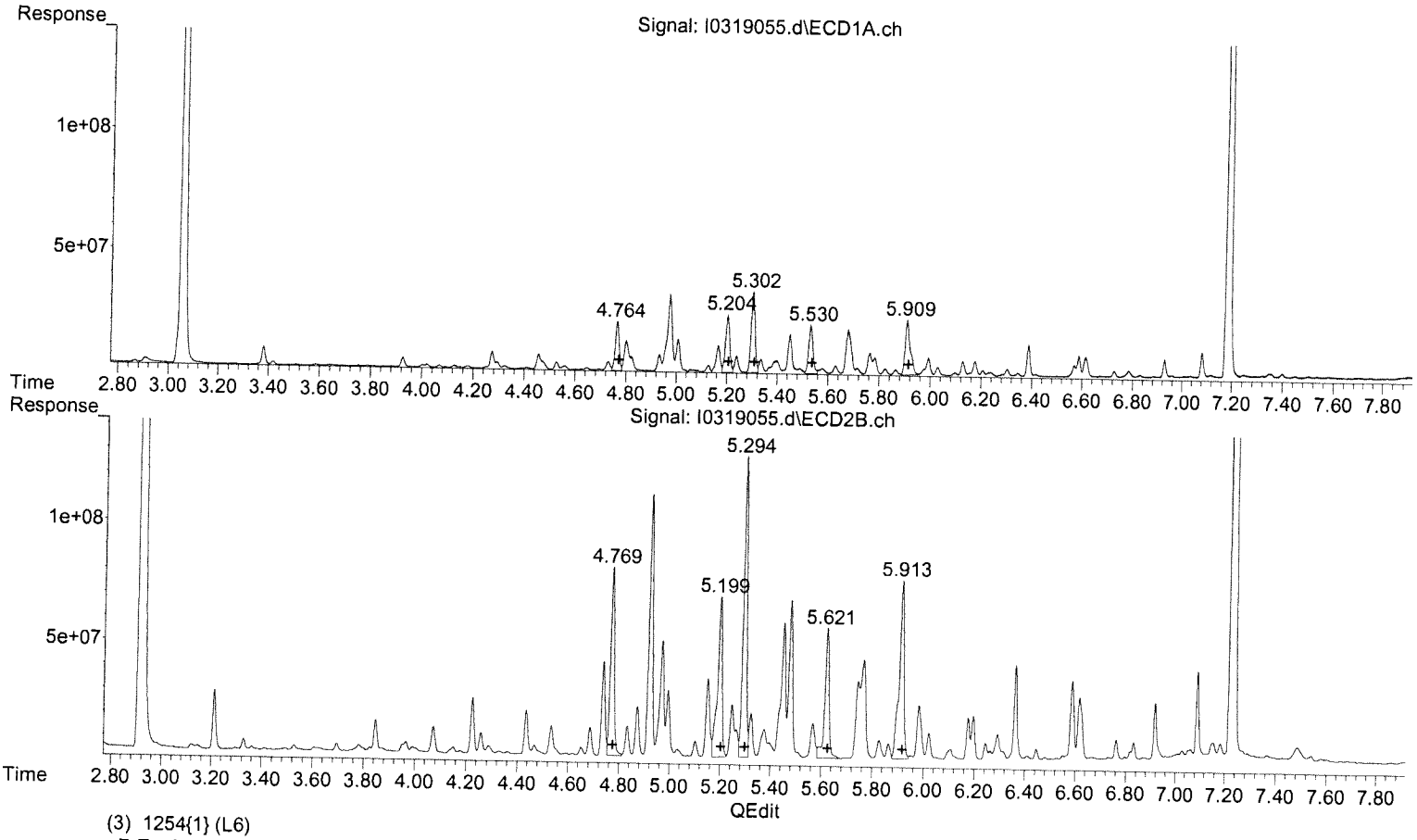
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 06:39:44 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319055.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 9:49 pm
Operator : JMB
Sample : 21C0909-17@TBA Inst : ECD 9
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:37 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	218299782	203.84
5.20	273616832	232.54
5.30	372935528	196.49
5.53	234171797	161.13
5.91	311992323	155.43

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	820583781	199.43
5.20	841502011	232.71
5.29	1228125283	193.67
5.62	633279706	201.32
5.91	976566289	142.58

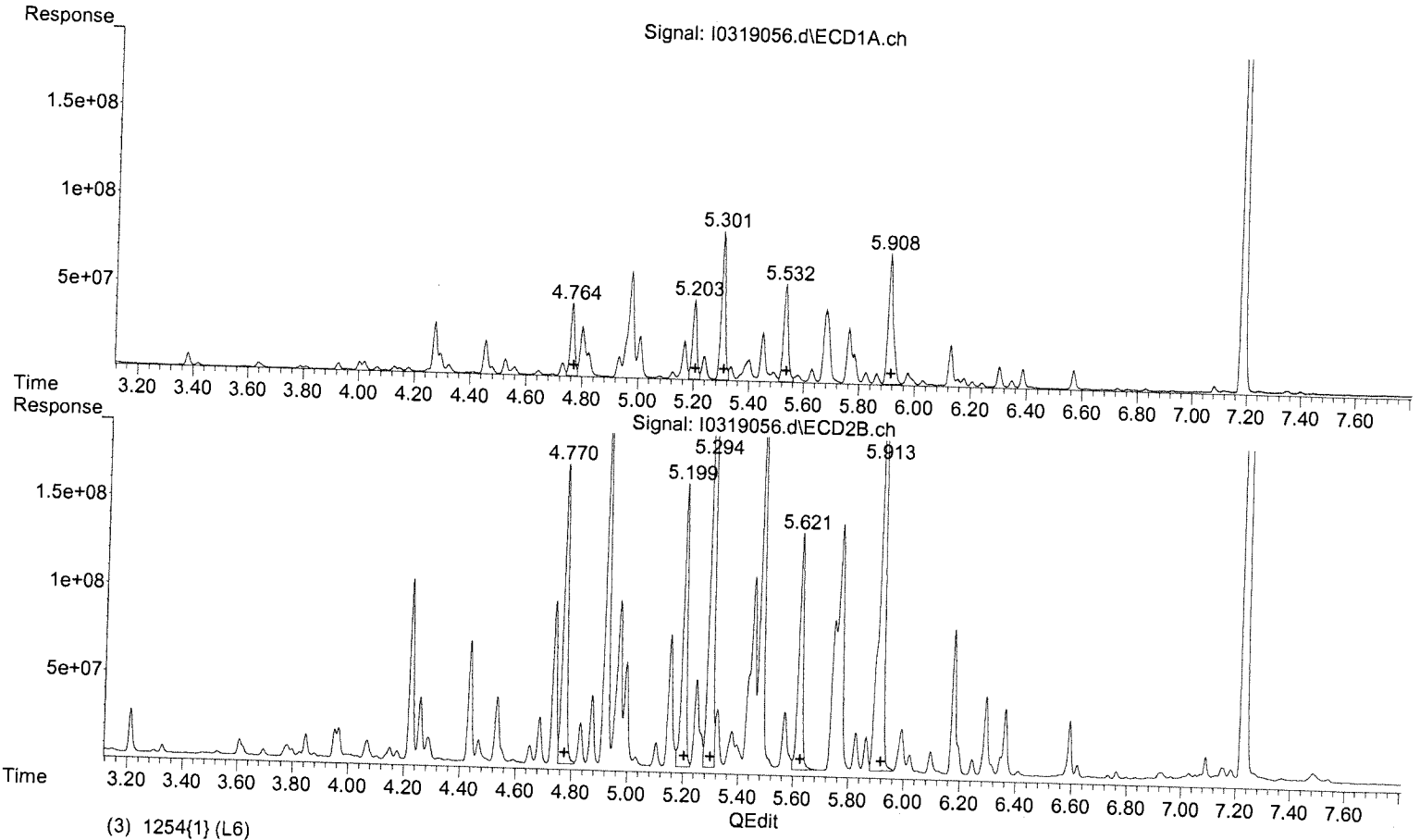
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 06:48:37 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319056.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 10:06 pm
Operator : JMB
Sample : 21C0909-18@TBA
Misc :
Inst : ECD 9
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:41 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	433474920	404.76
5.20	490726677	417.05
5.30	903473527	476.01
5.53	657037061	452.09
5.91	963541690	480.01

(3) 1254{1} #2 (L6)

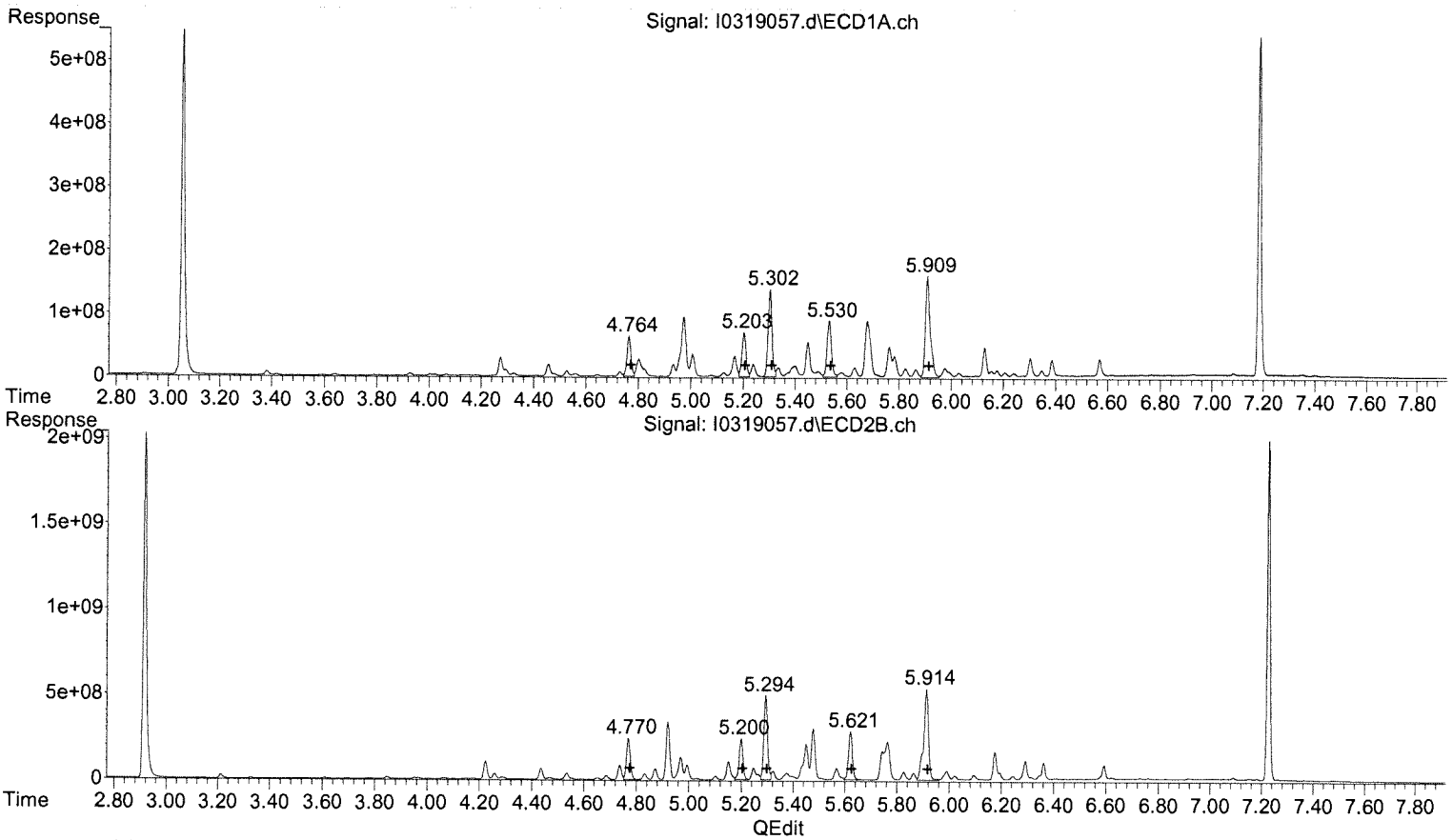
R.T.	Response	Conc
4.77	1811690226	440.31
5.20	1640875779	453.77
5.29	3196372287	504.07
5.62	1445203284	459.44
5.91	3247629812	474.17

(+) = Expected Retention Time

Data Path : C:\msdchem\1\data\031921\
Data File : I0319057.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 10:24 pm
Operator : JMB
Sample : 21C0909-19@TBA Inst : ECD 9
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:45 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	665184351	621.11
5.20	775633500	659.19
5.30	1447623457	762.71
5.53	1026133631	706.06
5.91	2069179638	1030.82

(3) 1254{1} #2 (L6)

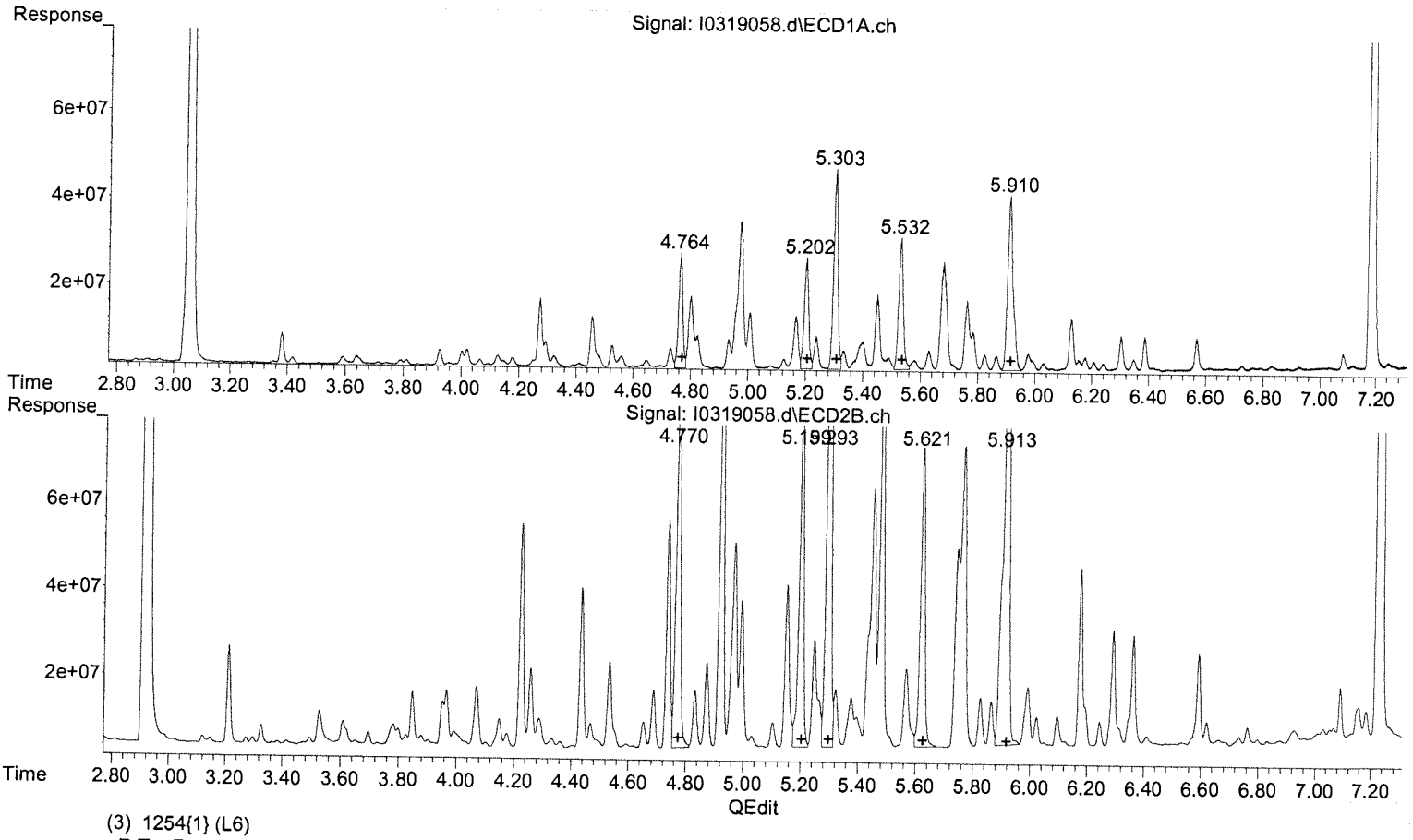
R.T.	Response	Conc
4.77	2493074279	605.91
5.20	2472422391	683.72
5.29	4987896844	786.59
5.62	2989052890	950.24
5.91	6973226306	1018.13

(+) = Expected Retention Time

Data Path : C:\msdchem\1\data\031921\
Data File : I0319058.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 10:41 pm
Operator : JMB
Sample : 21C0909-20@TBA Inst : ECD 9
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:49 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	268709448	250.91
5.20	274245843	233.07
5.30	479869122	252.83
5.53	343333105	236.24
5.91	531120655	264.59

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	960535886	233.45
5.20	876233349	242.31
5.29	1616318355	254.89
5.62	750340514	238.54
5.91	1767831907	258.11

(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 07:04:54 2021

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

April 2, 2021

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

Project Location: 52 Institute Road, Burlington, VT
Client Job Number:
Project Number: 280BS01563 Task 7
Laboratory Work Order Number: 21C0929

Enclosed are results of analyses for samples received by the laboratory on March 18, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michelle M. Koch
Project Manager

Table of Contents

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: Jesse Stratton

REPORT DATE: 4/2/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Task 7

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21C0929

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

PROJECT LOCATION: 52 Institute Road, Burlington, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
210317.B48.126-1079	21C0929-04	Product/Solid		SW-846 8082A	
210317.B2001.126-1091	21C0929-10	Product/Solid		SW-846 8082A	
210317.B21.126-1093	21C0929-11	Product/Solid		SW-846 8082A	
210317.B2011.126-1095	21C0929-12	Product/Solid		SW-846 8082A	
210317.B2009.126-1097	21C0929-13	Product/Solid		SW-846 8082A	
210317.B65.126-1102	21C0929-15	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.

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: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21C0929

Date Received: 3/18/2021

Field Sample #: 210317.B48.126-1079 Sampled: 3/17/2021 10:15

Sample ID: 21C0929-04

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	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 17:40	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 17:40	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 17:40	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 17:40	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 17:40	TG
Aroclor-1254 [2]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 17:40	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 17:40	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 17:40	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 17:40	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.4	30-150		3/31/21 17:40
Decachlorobiphenyl [2]	85.5	30-150		3/31/21 17:40
Tetrachloro-m-xylene [1]	84.6	30-150		3/31/21 17:40
Tetrachloro-m-xylene [2]	97.4	30-150		3/31/21 17:40

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Project Location: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21C0929

Date Received: 3/18/2021

Field Sample #: 210317.B2001.126-1091 Sampled: 3/17/2021 12:07

Sample ID: 21C0929-10

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	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 17:58	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 17:58	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 17:58	TG
Aroclor-1242 [2]	1.4	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 17:58	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 17:58	TG
Aroclor-1254 [2]	1.0	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 17:58	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 17:58	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 17:58	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 17:58	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		3/31/21 17:58
Decachlorobiphenyl [2]	107	30-150		3/31/21 17:58
Tetrachloro-m-xylene [1]	105	30-150		3/31/21 17:58
Tetrachloro-m-xylene [2]	121	30-150		3/31/21 17:58

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Project Location: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21C0929

Date Received: 3/18/2021

Field Sample #: 210317.B21.126-1093 Sampled: 3/17/2021 12:56

Sample ID: 21C0929-11

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	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:15	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:15	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:15	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:15	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:15	TG
Aroclor-1254 [2]	2.3	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:15	TG
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:15	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:15	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:15	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.5	30-150		3/31/21 18:15
Decachlorobiphenyl [2]	85.5	30-150		3/31/21 18:15
Tetrachloro-m-xylene [1]	82.0	30-150		3/31/21 18:15
Tetrachloro-m-xylene [2]	95.2	30-150		3/31/21 18:15

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Project Location: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21C0929

Date Received: 3/18/2021

Field Sample #: 210317.B2011.126-1095 Sampled: 3/17/2021 13:21

Sample ID: 21C0929-12

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	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:32	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:32	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:32	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:32	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:32	TG
Aroclor-1254 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:32	TG
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:32	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:32	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:32	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		3/31/21 18:32
Decachlorobiphenyl [2]	106	30-150		3/31/21 18:32
Tetrachloro-m-xylene [1]	104	30-150		3/31/21 18:32
Tetrachloro-m-xylene [2]	119	30-150		3/31/21 18:32

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Project Location: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21C0929

Date Received: 3/18/2021

Field Sample #: 210317.B2009.126-1097 Sampled: 3/17/2021 13:57

Sample ID: 21C0929-13

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	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:50	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:50	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:50	TG
Aroclor-1242 [2]	0.89	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:50	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:50	TG
Aroclor-1254 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:50	TG
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:50	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:50	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 18:50	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.4	30-150		3/31/21 18:50
Decachlorobiphenyl [2]	100	30-150		3/31/21 18:50
Tetrachloro-m-xylene [1]	95.0	30-150		3/31/21 18:50
Tetrachloro-m-xylene [2]	109	30-150		3/31/21 18:50

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Project Location: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21C0929

Date Received: 3/18/2021

Field Sample #: 210317.B65.126-1102 Sampled: 3/17/2021 15:02

Sample ID: 21C0929-15

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	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 19:07	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 19:07	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 19:07	TG
Aroclor-1242 [2]	0.87	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 19:07	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 19:07	TG
Aroclor-1254 [2]	0.83	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 19:07	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 19:07	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 19:07	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/19/21	3/31/21 19:07	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.3	30-150		3/31/21 19:07
Decachlorobiphenyl [2]	94.7	30-150		3/31/21 19:07
Tetrachloro-m-xylene [1]	92.0	30-150		3/31/21 19:07
Tetrachloro-m-xylene [2]	106	30-150		3/31/21 19:07

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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
21C0929-04 [210317.B48.126-1079]	B278348	2.00	10.0	03/19/21
21C0929-10 [210317.B2001.126-1091]	B278348	2.00	10.0	03/19/21
21C0929-11 [210317.B21.126-1093]	B278348	2.06	10.0	03/19/21
21C0929-12 [210317.B2011.126-1095]	B278348	2.03	10.0	03/19/21
21C0929-13 [210317.B2009.126-1097]	B278348	2.04	10.0	03/19/21
21C0929-15 [210317.B65.126-1102]	B278348	2.02	10.0	03/19/21

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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 B278348 - SW-846 3540C										
Blank (B278348-BLK1)				Prepared: 03/19/21 Analyzed: 03/25/21						
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	*0.851*		mg/Kg	1.00		85.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.859*		mg/Kg	1.00		85.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.675*		mg/Kg	1.00		67.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.677*		mg/Kg	1.00		67.7	30-150			
LCS (B278348-BS1)				Prepared: 03/19/21 Analyzed: 03/25/21						
Aroclor-1016	0.68	0.10	mg/Kg	1.00		68.2	40-140			
Aroclor-1016 [2C]	0.76	0.10	mg/Kg	1.00		75.5	40-140			
Aroclor-1260	0.70	0.10	mg/Kg	1.00		69.9	40-140			
Aroclor-1260 [2C]	0.74	0.10	mg/Kg	1.00		74.1	40-140			
Surrogate: Decachlorobiphenyl	*0.808*		mg/Kg	1.00		80.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.824*		mg/Kg	1.00		82.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.675*		mg/Kg	1.00		67.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.681*		mg/Kg	1.00		68.1	30-150			
LCS Dup (B278348-BSD1)				Prepared: 03/19/21 Analyzed: 03/25/21						
Aroclor-1016	0.72	0.10	mg/Kg	1.00		72.0	40-140	5.42	30	
Aroclor-1016 [2C]	0.79	0.10	mg/Kg	1.00		78.8	40-140	4.24	30	
Aroclor-1260	0.73	0.10	mg/Kg	1.00		73.3	40-140	4.65	30	
Aroclor-1260 [2C]	0.77	0.10	mg/Kg	1.00		76.9	40-140	3.63	30	
Surrogate: Decachlorobiphenyl	*0.840*		mg/Kg	1.00		84.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.853*		mg/Kg	1.00		85.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.700*		mg/Kg	1.00		70.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.702*		mg/Kg	1.00		70.2	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210317.B2001.126-1091

Lab Sample ID: 21C0929-10 Date(s) Analyzed: 03/31/2021 03/31/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	1.3	
	2	0.000	0.000	0.000	1.4	7.4
Aroclor-1254	1	0.000	0.000	0.000	1.0	
	2	0.000	0.000	0.000	1.0	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210317.B21.126-1093

Lab Sample ID: 21C0929-11

Date(s) Analyzed: 03/31/2021 03/31/2021

Instrument ID (1): ECD 9

Instrument ID (2): ECD 9

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	2.3	4.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210317.B2009.126-1097

Lab Sample ID: 21C0929-13 Date(s) Analyzed: 03/31/2021 03/31/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	0.80	
	2	0.000	0.000	0.000	0.89	10.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210317.B65.126-1102

Lab Sample ID: 21C0929-15

Date(s) Analyzed: 03/31/2021 03/31/2021

Instrument ID (1): ECD 9

Instrument ID (2): ECD 9

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	0.78	
	2	0.000	0.000	0.000	0.87	10.9
Aroclor-1254	1	0.000	0.000	0.000	0.79	
	2	0.000	0.000	0.000	0.83	4.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B278348-BS1 Date(s) Analyzed: 03/25/2021 03/25/2021

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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	0.76	11.1
Aroclor-1260	1	0.000	0.000	0.000	0.70	
	2	0.000	0.000	0.000	0.74	5.6

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A Pace Analytical® Laboratory

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B278348-BSD1 Date(s) Analyzed: 03/25/2021 03/25/2021

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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	0.72	
	2	0.000	0.000	0.000	0.79	9.3
Aroclor-1260	1	0.000	0.000	0.000	0.73	
	2	0.000	0.000	0.000	0.77	5.3

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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 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	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2021
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2021
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2021
FL	Florida Department of Health	E871027 NELAP	06/30/2021
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2021
ME	State of Maine	MA00100	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2021
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2021
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

Michelle Koch

From: Kari Paritz [Kari.Paritz@atcgs.com] on behalf of Kari Paritz
Sent: Tuesday, March 30, 2021 5:01 PM
To: Jim Georgantas; Michelle Koch
Subject: RE: ATC#280BS01563/ Contest # 21C0929/ Additional Analysis

Good Evening.
I have one correction.
Please do not analyze sample # 210317.B21.1.126-1089

Continue analysis with the remaining samples listed:

210317.B48.126-1079

210317.B2001.126-1091

210317.B21.126-1093

210317.B2011.126-1095

210317.B2009.126-1097

210317.B65.126-1102

Thank you,

Kari A. Paritz | ENVIRONMENTAL TECHNICIAN | ATC Group Services LLC
Office +1 802 862 1980 | Direct +1 802 871 8353 | Cell +1 802 595 2524

51 Knight Lane PO Box 1486 | Williston, Vermont 05495
kari.paritz@atcgs.com | www.atcgroupservices.com

From: Kari Paritz
Sent: Tuesday, March 30, 2021 10:08 AM
To: 'Jim Georgantas' <jgeorgantas@contestlabs.com>; 'Michelle Koch' <michelle.koch@contestlabs.com>
Subject: ATC#280BS01563/ Contest # 21C0929/ Additional Analysis

Good Morning,
Please analyze the samples listed below with a five (5) day turnaround time.

210317.B48.126-1079

210317.B21.1.126-1089

210317.B2001.126-1091

210317.B21.126-1093

210317.B2011.126-1095

210317.B2009.126-1097

210317.B65.126-1102

Thank you,

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51 Knight Lane PO Box 1486 | Williston, Vermont 05495
kari.paritz@atcgs.com | www.atcgroupservices.com

Michelle Koch

From: Kari Paritz [Kari.Paritz@atcgs.com] on behalf of Kari Paritz
Sent: Tuesday, March 30, 2021 5:01 PM
To: Jim Georgantas; Michelle Koch
Subject: RE: ATC#280BS01563/ Contest # 21C0929/ Additional Analysis

Good Evening.
I have one correction.
Please do not analyze sample # 210317.B21.1.126-1089

Continue analysis with the remaining samples listed:

210317.B48.126-1079

210317.B2001.126-1091

210317.B21.126-1093

210317.B2011.126-1095

210317.B2009.126-1097

210317.B65.126-1102

Thank you,

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51 Knight Lane PO Box 1486 | Williston, Vermont 05495
kari.paritz@atcgs.com | www.atcgroupservices.com

From: Kari Paritz
Sent: Tuesday, March 30, 2021 10:08 AM
To: 'Jim Georgantas' <jgeorgantas@contestlabs.com>; 'Michelle Koch' <michelle.koch@contestlabs.com>
Subject: ATC#280BS01563/ Contest # 21C0929/ Additional Analysis

Good Morning,
Please analyze the samples listed below with a five (5) day turnaround time.

210317.B48.126-1079

210317.B21.1.126-1089

210317.B2001.126-1091

210317.B21.126-1093

210317.B2011.126-1095

210317.B2009.126-1097

210317.B65.126-1102

Thank you,

Kari A. Paritz | ENVIRONMENTAL TECHNICIAN | ATC Group Services LLC
Office +1 802 862 1980 | Direct +1 802 871 8353 | Cell +1 802 595 2524

51 Knight Lane PO Box 1486 | Williston, Vermont 05495
kari.paritz@atcgs.com | www.atcgroupservices.com

PREPARATION BENCH SHEET

Printed: 3/30/2021 7:53:37PM

Analysis
3082 Soxhlet

B278348

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C 4/1/21

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Extract by	Prepared	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
B278348-BLK1	Blank				2			1000	
B278348-BS1	LCS				2		1000	1000	
B278348-BSD1	LCS Dup				2		1000	1000	
21C0875-03	210315.A43.124-1033	03/31/21			2.25			1000	EXTRACT & HOLD,RL of ~~0.5ppm - include bench sheets,~~ sample chromatograms &QC std of each aroclor
CHECKED BY: PETER GRYSZKIEWICZ	MAR 3 0 2021								
~~21C0875-04~~	210315.A2012.124-1035	03/31/21			2.08			1000	EXTRACT & HOLD,RL of ~~0.5ppm - include bench sheets,~~ sample chromatograms &QC std of each aroclor
21C0875-05	210315.A28.124-1037	03/31/21			2			1000	EXTRACT & HOLD,RL of ~~0.5ppm - include bench sheets,~~ sample chromatograms &QC std of each aroclor
21C0929-01	210317.B32.126-1073	04/06/21			2.05			1000	Extract & Hold RL of 0.5ppm - ~~include bench sheets, sample~~ chromatograms &QC std of each aroclor
21C0929-02	210317.B2006.126-1075	04/06/21			2.09			1000	Extract & Hold RL of 0.5ppm - ~~include bench sheets, sample~~ chromatograms &QC std of each aroclor
21C0929-03	210317.B28.126-1077	04/06/21			2.07			1000	Extract & Hold RL of 0.5ppm - ~~include bench sheets, sample~~ chromatograms &QC std of each aroclor
21C0929-04	210317.B48.126-1079	04/06/21			2			1000	Extract & Hold RL of 0.5ppm - ~~include bench sheets, sample~~ chromatograms &QC std of each aroclor
21C0929-05	210317.B19.126-1081	04/06/21			2.03			1000	Extract & Hold RL of 0.5ppm - ~~include bench sheets, sample~~ chromatograms &QC std of each aroclor

Run Highlighted Samples per attached email

Spiking Witnessed By Date

Preparation Reviewed By Date

Loaded 3/31/21 #9 SM

Extracts Received By Date

Prepped 3/31/21 AMC

PREPARATION BENCH SHEET

B278348

Con-Test, a Pace Analytical Laboratory

Printed: 3/30/2021 7:53:37PM

Analysis
8082 Soxhlet

Prepared using: SW-846 3540C

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Extract by	Prepared	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
21C0929-06	210317.B2004.126-1083	04/06/21			2.07			1000	Extract & Hold RL of 0.5ppm - ~~include bench sheets, sample~~ chromatograms &QC std of each aroclor
21C0929-07	210317.B50.126-1085	04/06/21			2			1000	Extract & Hold RL of 0.5ppm - ~~include bench sheets, sample~~ chromatograms &QC std of each aroclor
21C0929-08	210317.B2003.126-1087	04/06/21			2.03			1000	Extract & Hold RL of 0.5ppm - ~~include bench sheets, sample~~ chromatograms &QC std of each aroclor
21C0929-09	210317.B21.1.126-1089	04/06/21			2.05			1000	Extract & Hold RL of 0.5ppm - ~~include bench sheets, sample~~ chromatograms &QC std of each aroclor
21C0929-10	210317.B2001.126-1091	04/06/21			2			1000	Extract & Hold RL of 0.5ppm - ~~include bench sheets, sample~~ chromatograms &QC std of each aroclor
21C0929-11	210317.B21.126-1093	04/06/21			2.06			1000	Extract & Hold RL of 0.5ppm - ~~include bench sheets, sample~~ chromatograms &QC std of each aroclor
21C0929-12	210317.B2011.126-1095	04/06/21			2.03			1000	Extract & Hold RL of 0.5ppm - ~~include bench sheets, sample~~ chromatograms &QC std of each aroclor
21C0929-13	210317.B2009.126-1097	04/06/21			2.04			1000	Extract & Hold RL of 0.5ppm - ~~include bench sheets, sample~~ chromatograms &QC std of each aroclor
21C0929-14	210317.B29.126-1100	04/06/21			2.01			1000	Extract & Hold RL of 0.5ppm - ~~include bench sheets, sample~~ chromatograms &QC std of each aroclor

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

PREPARATION BENCH SHEET

Printed: 3/30/2021 7:53:37PM

B278348

Con-Test, a Pace Analytical Laboratory

Analysis
8082 Soxhlet

Prepared using: SW-846 3540C

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Extract by	Prepared	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
21C0929-15	210317.B65.126-1102	04/06/21			2.02			1000	Extract & Hold RL of 0.5ppm - ~~Include bench sheets, sample~~ chromatograms &QC std of each aroclor

Start: 03/20/2021 @15:08
Stop: 03/21/2021 @ 08:15
SPK: SPE
WIT: ESD

Start Date/Time _____

StopDate/Time _____

Standard ID#	Description	Manufacture Lot#
2007070	Sodium Sulfate (Drum 45.5kg)	0000240206
2102079	Acetone	EA362-US
2102208	Methylene Chloride (200 L Drum)	EA414-US
2102275	Hexanes	60311
2102300	Filter Paper (VWR 043) Fluted	A29495172
2103038	Filter Paper (VWR 121) 15.0cm	17184076
2103253	Sodium Sulfate (Baked)	Sodium Sulfate/2
2103299	Distilled Solvent - MeCl2	DCM/ACE

Spiking Witnessed By _____ Date

Preparation Reviewed By _____ Date

Extracts Received By _____ Date

RE: 21c0929 - some samples activated

Michelle Koch <michelle.koch@contestlabs.com>

Tue 3/30/2021 5:47 PM

To: Michelle Koch <michelle.koch@contestlabs.com>; Catherine Amrich <catherine.amrich@contestlabs.com>; John Beane <johnbeane@contestlabs.com>; Todd Gionfriddo <todd.gionfriddo@contestlabs.com>; Peter Gryszkiewicz <pgryszkiewicz@contestlabs.com>
Cc: Francis Derose <fderose@contestlabs.com>

Hi All –

The client no longer wants sample 09 run – however, please proceed with the others listed below.

Thank you,
Michelle

From: Michelle Koch [mailto:michelle.koch@contestlabs.com]
Sent: Tuesday, March 30, 2021 1:09 PM
To: Catherine Amrich; 'John Beane'; 'Todd Gionfriddo'; Peter Gryszkiewicz
Cc: Francis Derose
Subject: 21c0929 - some samples activated

Hi All –

Per client email, please run samples, -04, 09, 10, 11, 12, 13, 15, for 8082 sox. They had been extracted and held.

Thanks!
Michelle

Michelle Koch

Project Coordinator II

39 Spruce Street, East Longmeadow, MA 01028

o: 413.525.2332 | c: 413.351.0555 f: 413.525.6405 | contestlabs.com

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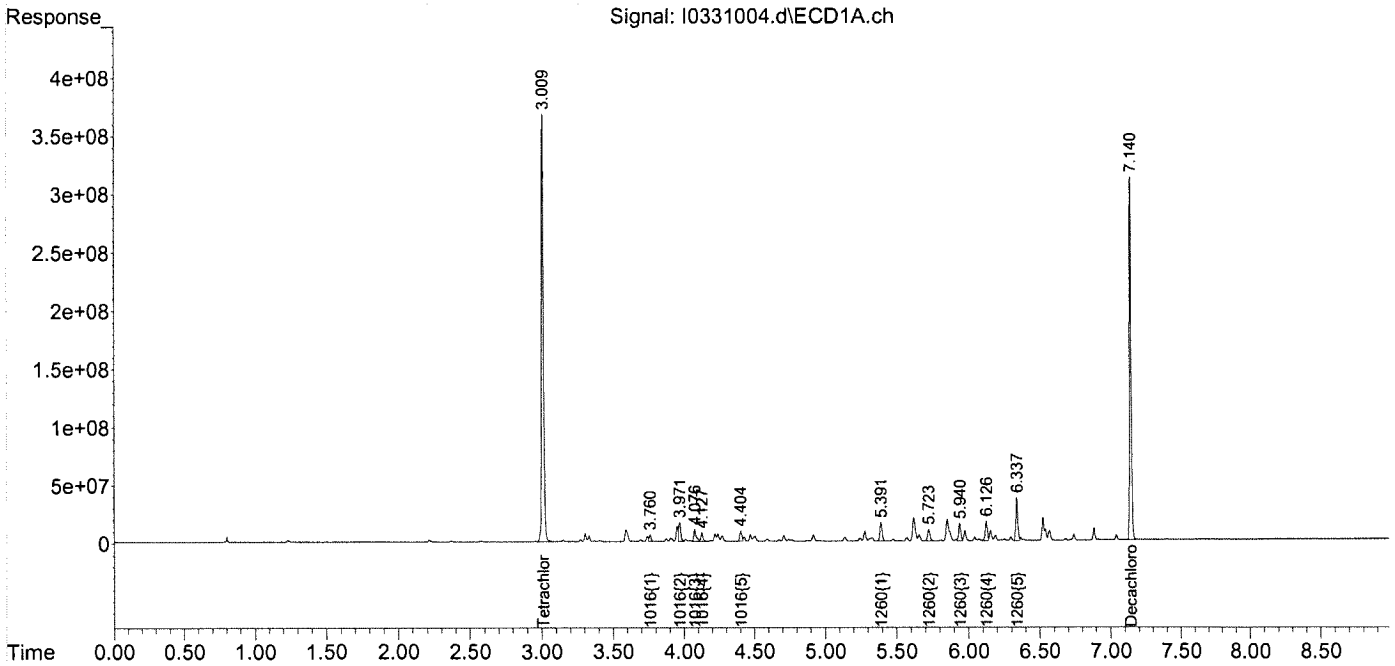
PACELABS.COM

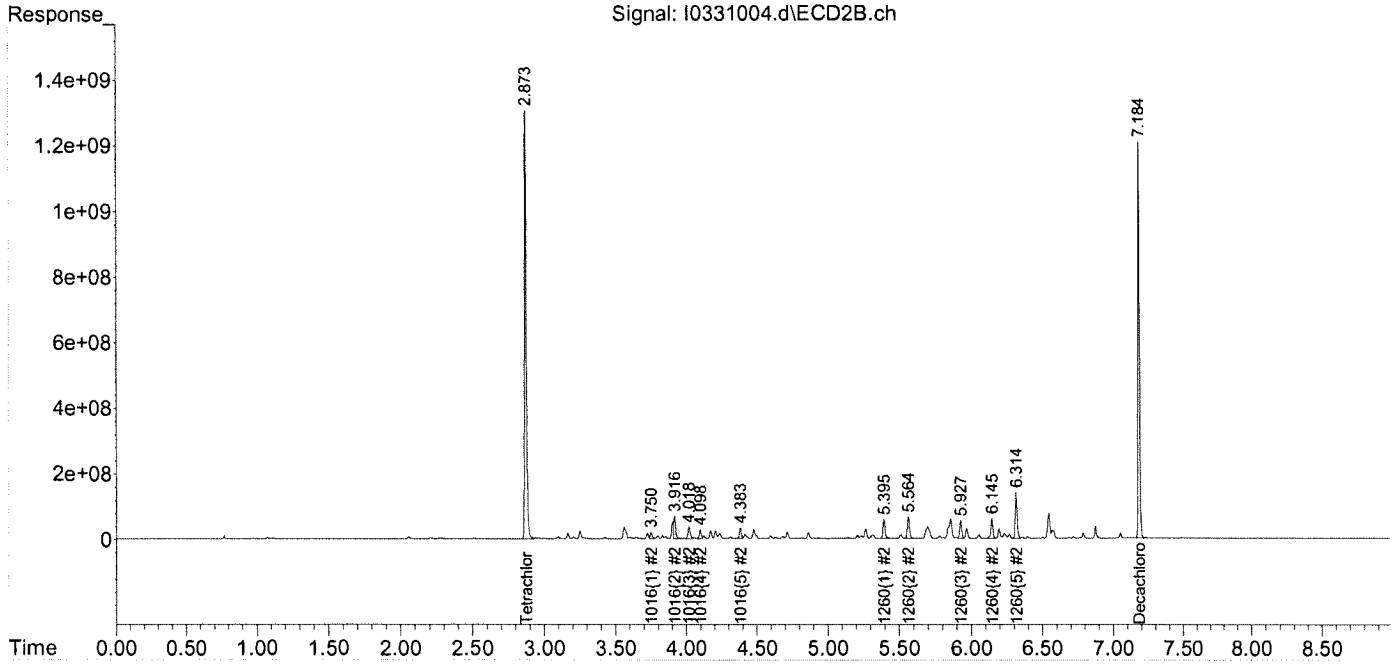
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\033121\
Data File : I0331004.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2021 7:14 am
Operator : JMB
Sample : 1260/1016 100 2102019 Inst : ECD 9
Misc : mix[s,11,17]
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 31 08:45:04 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-PCB-032921.M
Quant Title : 1260/1016 022321; 1254-022221; 1248-022221; 1242-022221; 1232/1268-022221; 1221/1
QLast Update : Thu Mar 25 18:55:32 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



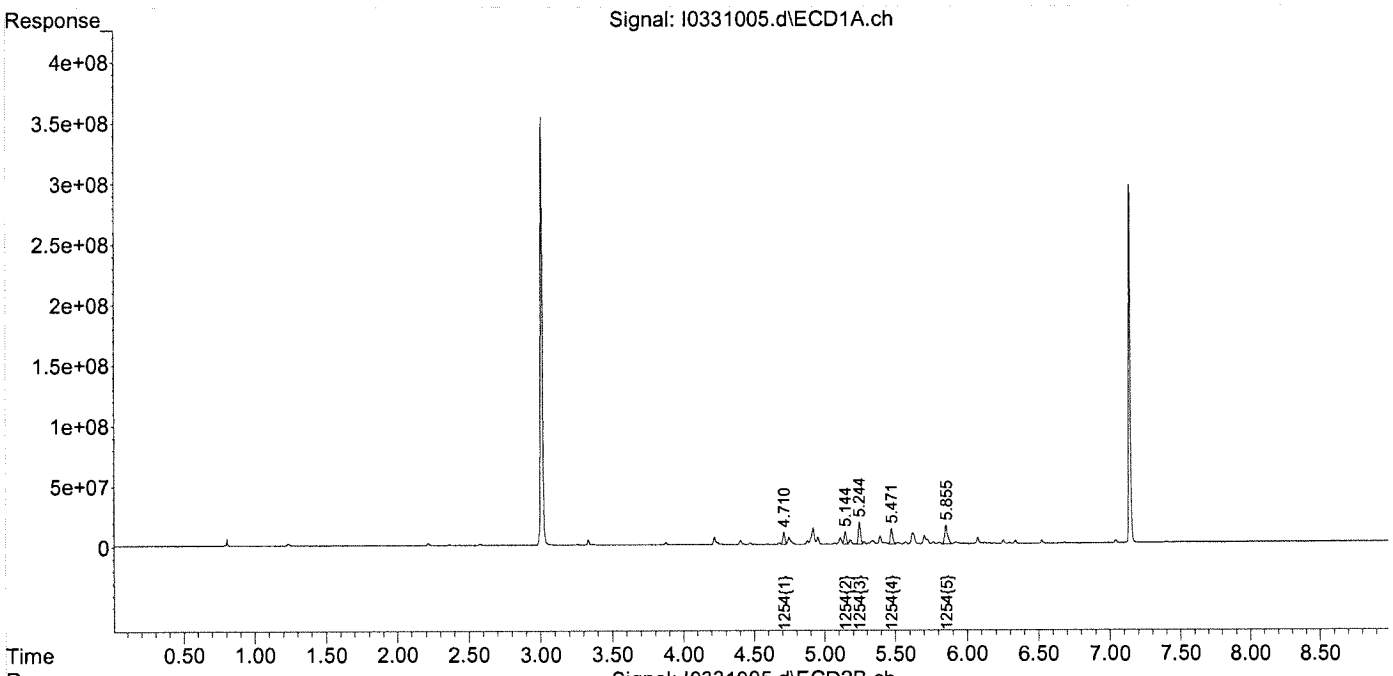


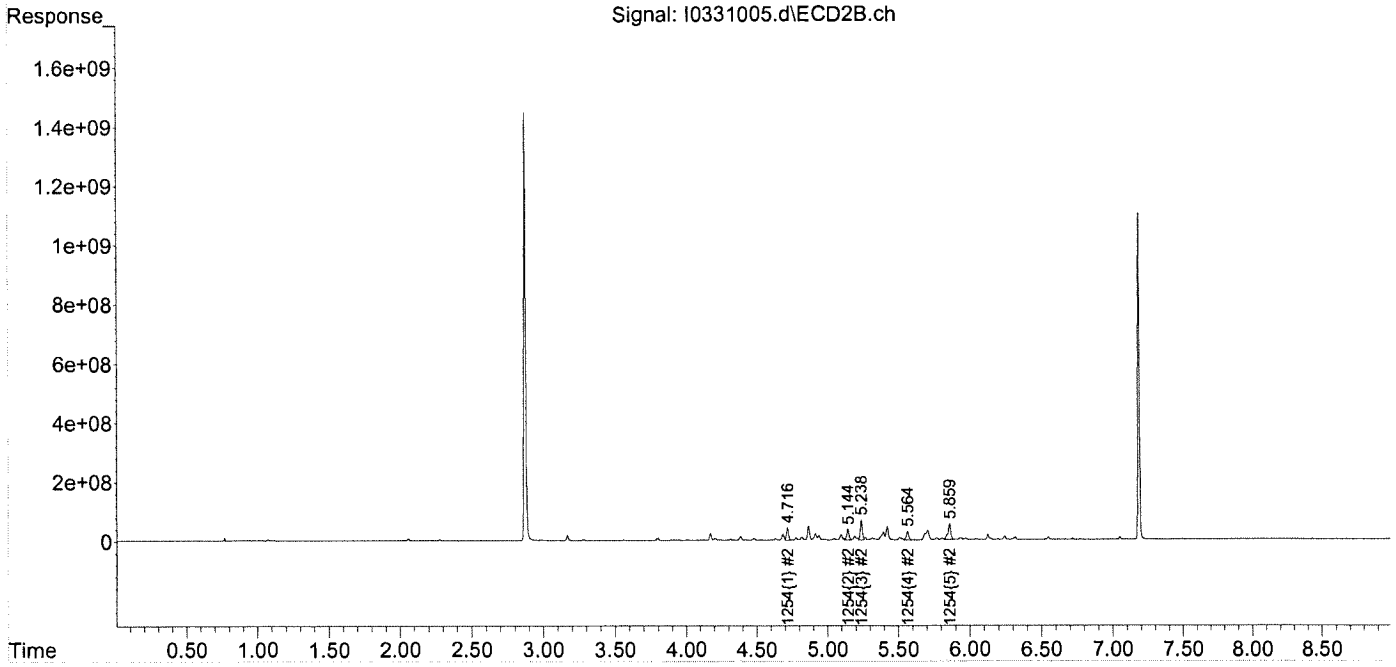
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\033121\
Data File : I0331005.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2021 7:27 am
Operator : JMB
Sample : 1254 100 2010265 Inst : ECD 9
Misc : mix[16]
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 31 08:45:08 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-PCB-032921.M
Quant Title : 1260/1016 022321; 1254-022221; 1248-022221; 1242-022221; 1232/1268-022221; 1221/1
QLast Update : Thu Mar 25 18:55:32 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



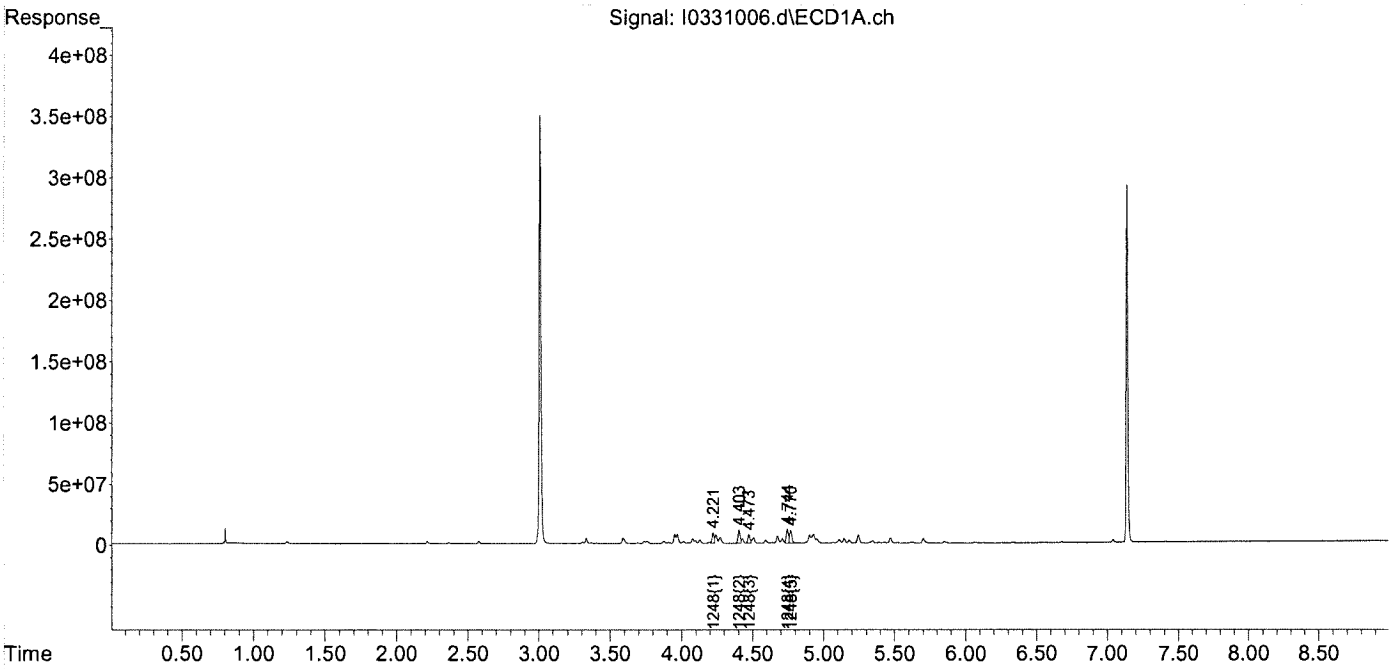


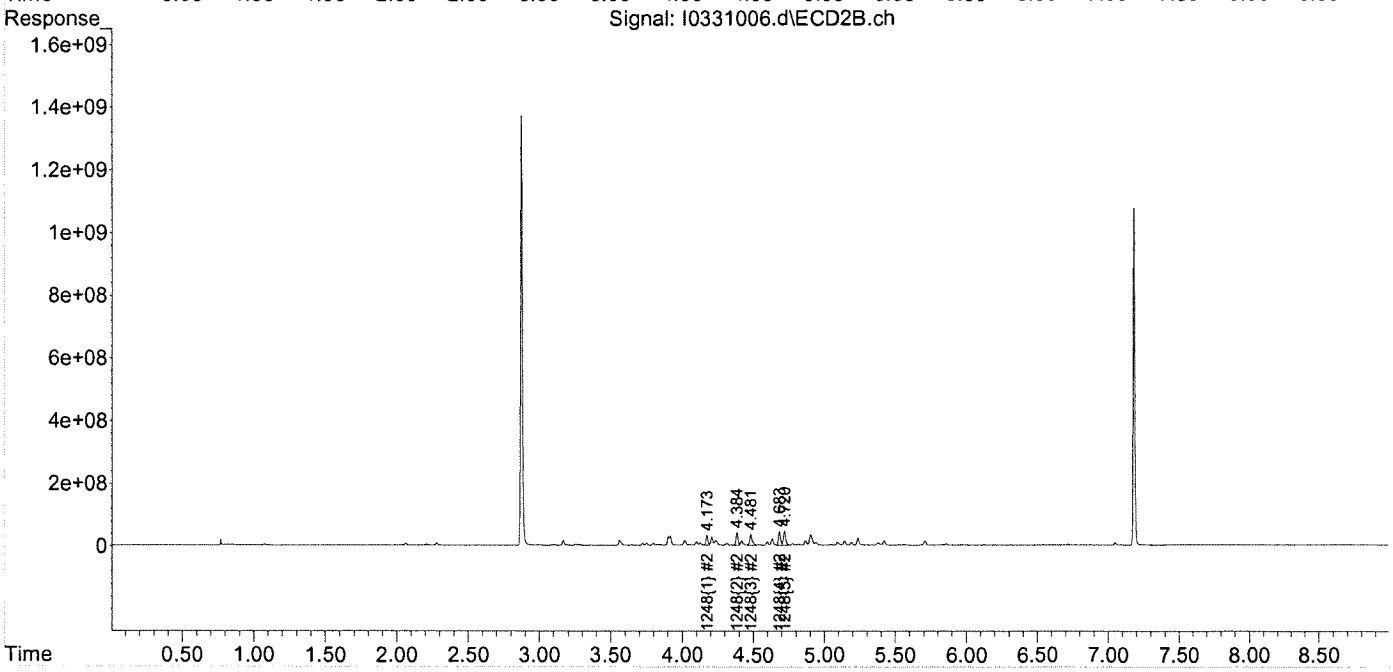
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\033121\
Data File : I0331006.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2021 7:39 am
Operator : JMB
Sample : 1248 100 2010210 Inst : ECD 9
Misc : mix[15]
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 31 08:45:12 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-PCB-032921.M
Quant Title : 1260/1016 022321; 1254-022221; 1248-022221; 1242-022221; 1232/1268-022221; 1221/1
QLast Update : Thu Mar 25 18:55:32 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



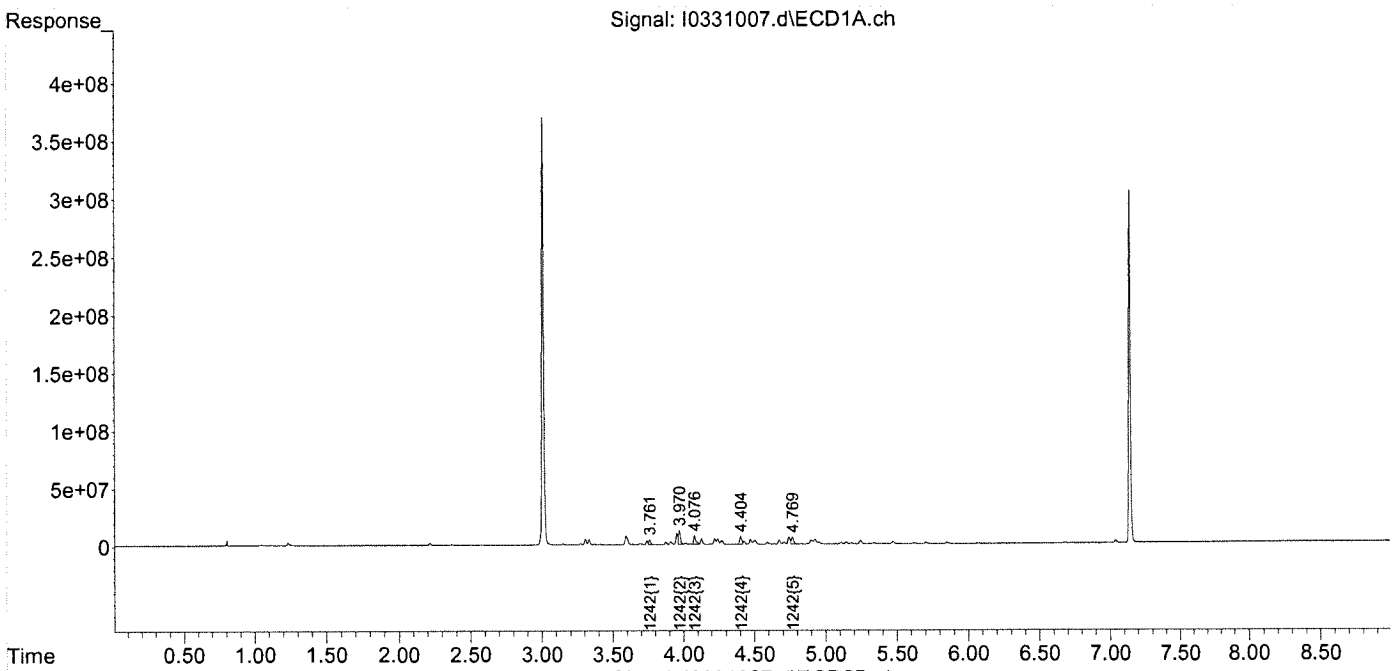


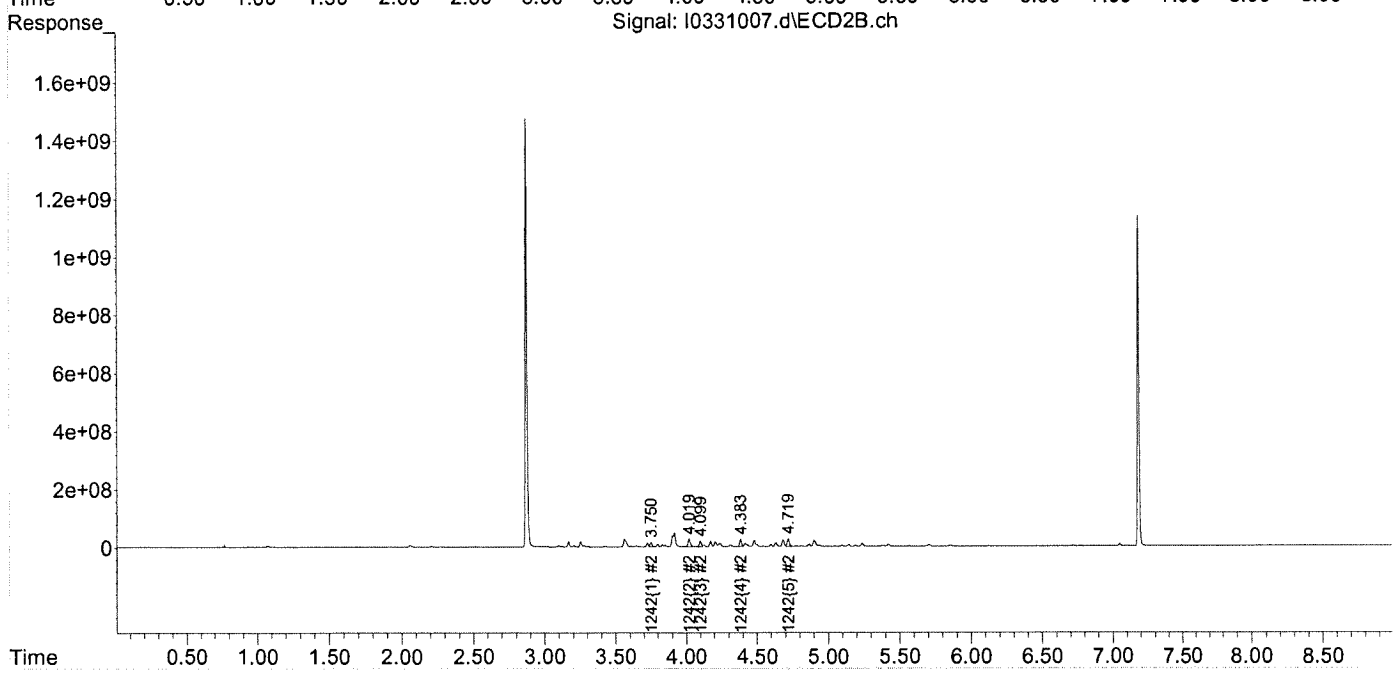
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\033121\
Data File : I0331007.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2021 7:52 am
Operator : JMB
Sample : 1242 100 2009334 Inst : ECD 9
Misc : mix[14]
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 31 08:45:16 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-PCB-032921.M
Quant Title : 1260/1016 022321; 1254-022221; 1248-022221; 1242-022221; 1232/1268-022221; 1221/1
QLast Update : Thu Mar 25 18:55:32 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



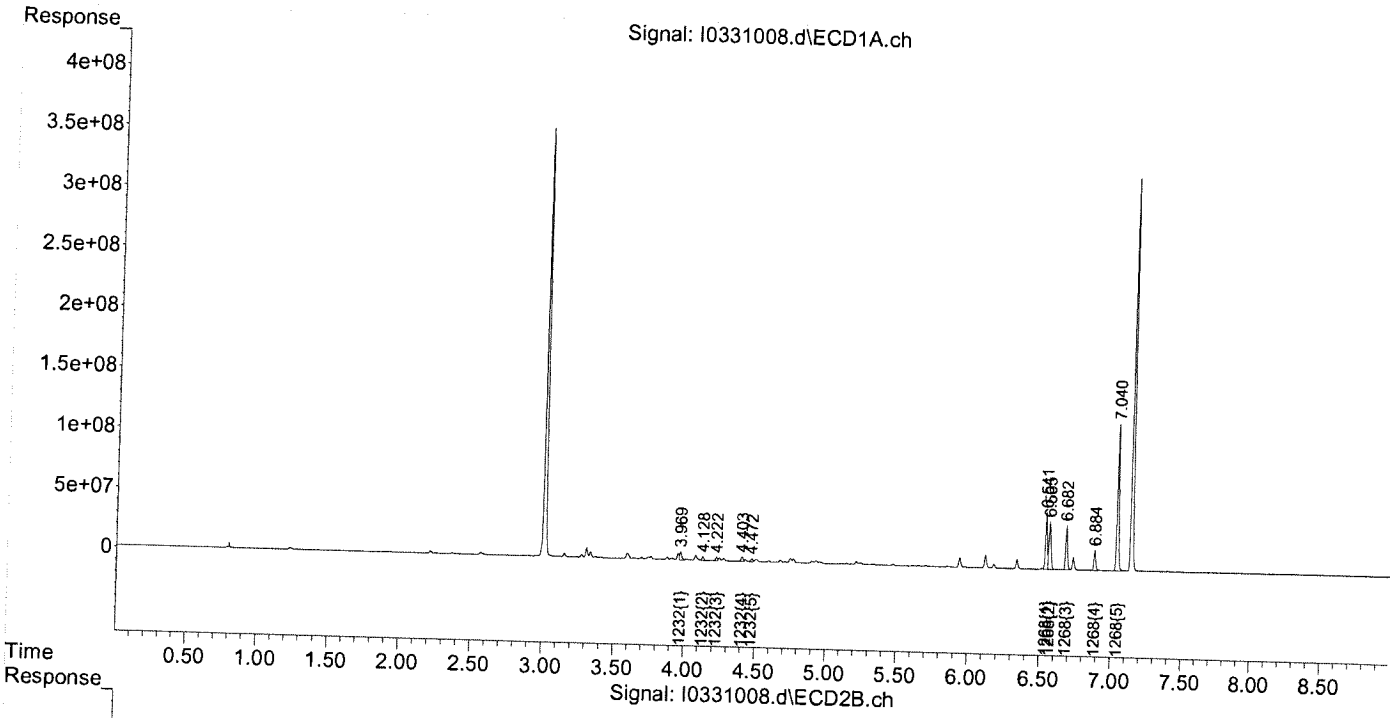


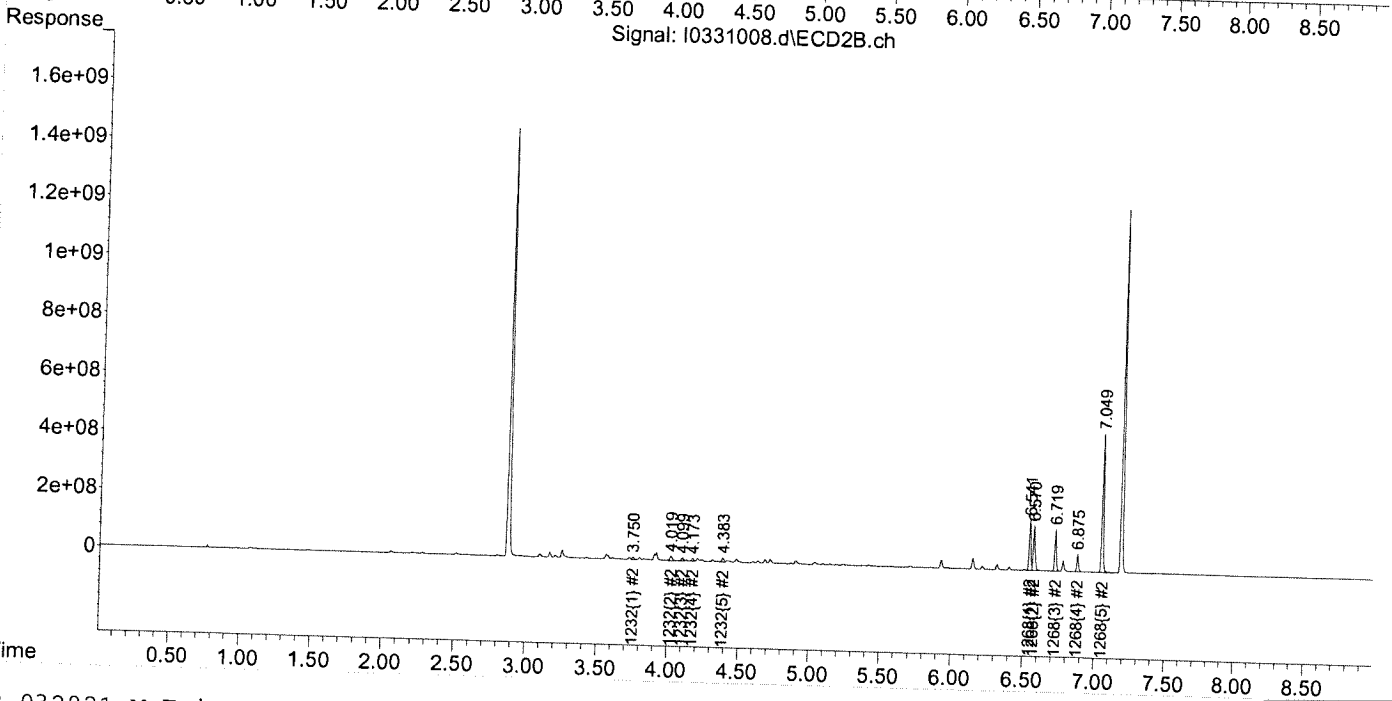
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\033121\
Data File : I0331008.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2021 8:04 am
Operator : JMB
Sample : 1232/1268 100 2012310 Inst : ECD 9
Misc : mix[13,19]
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 31 08:45:20 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-PCB-032921.M
Quant Title : 1260/1016 022321; 1254-022221; 1248-022221; 1242-022221; 1232/1268-022221; 1221/1
QLast Update : Thu Mar 25 18:55:32 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



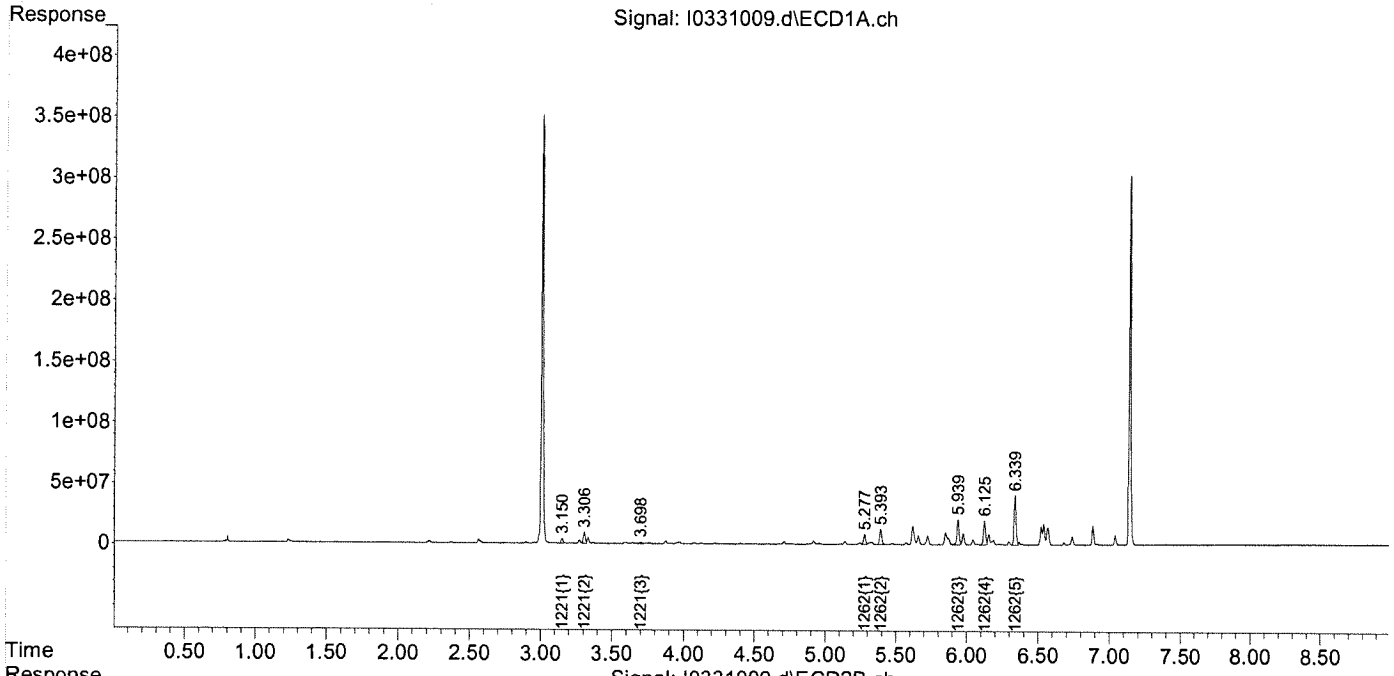


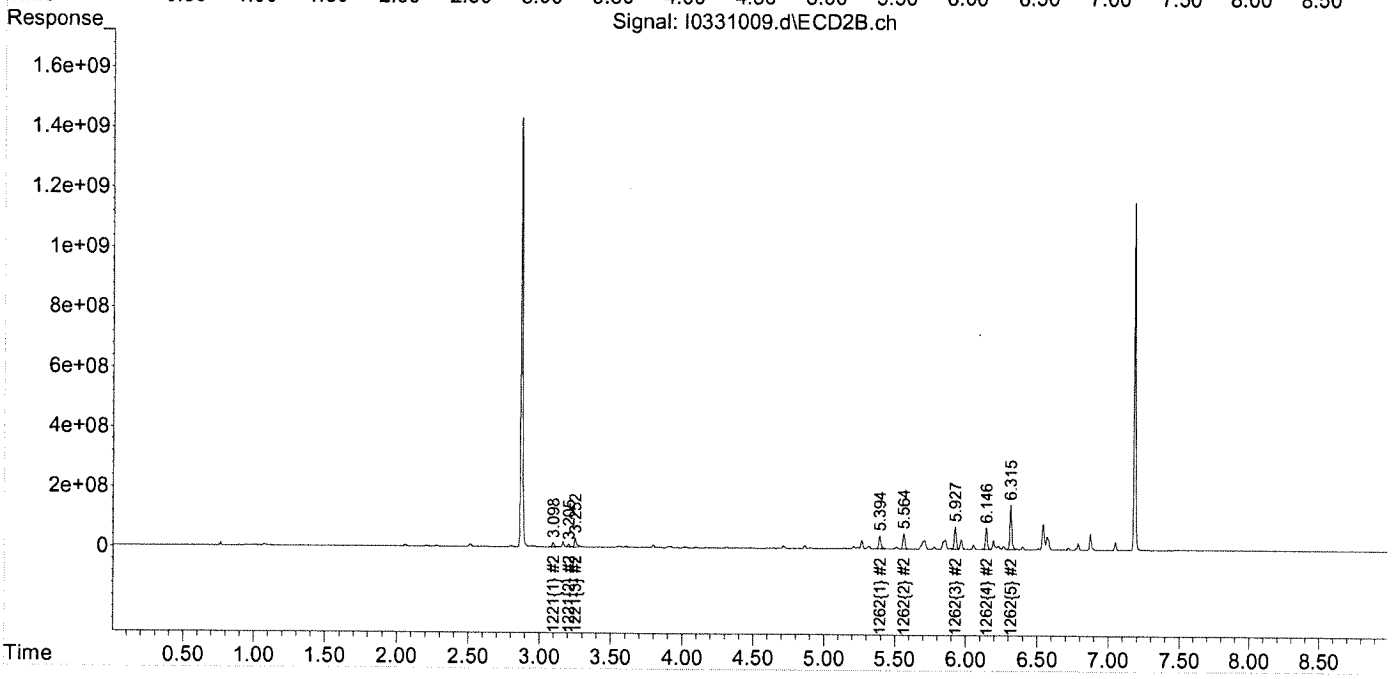
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\033121\
Data File : I0331009.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2021 8:16 am
Operator : JMB
Sample : 1221/1262 100 2012379 Inst : ECD 9
Misc : mix[l2,l8]
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 31 08:45:24 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-PCB-032921.M
Quant Title : 1260/1016 022321; 1254-022221; 1248-022221; 1242-022221; 1232/1268-022221; 1221/1
QLast Update : Thu Mar 25 18:55:32 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



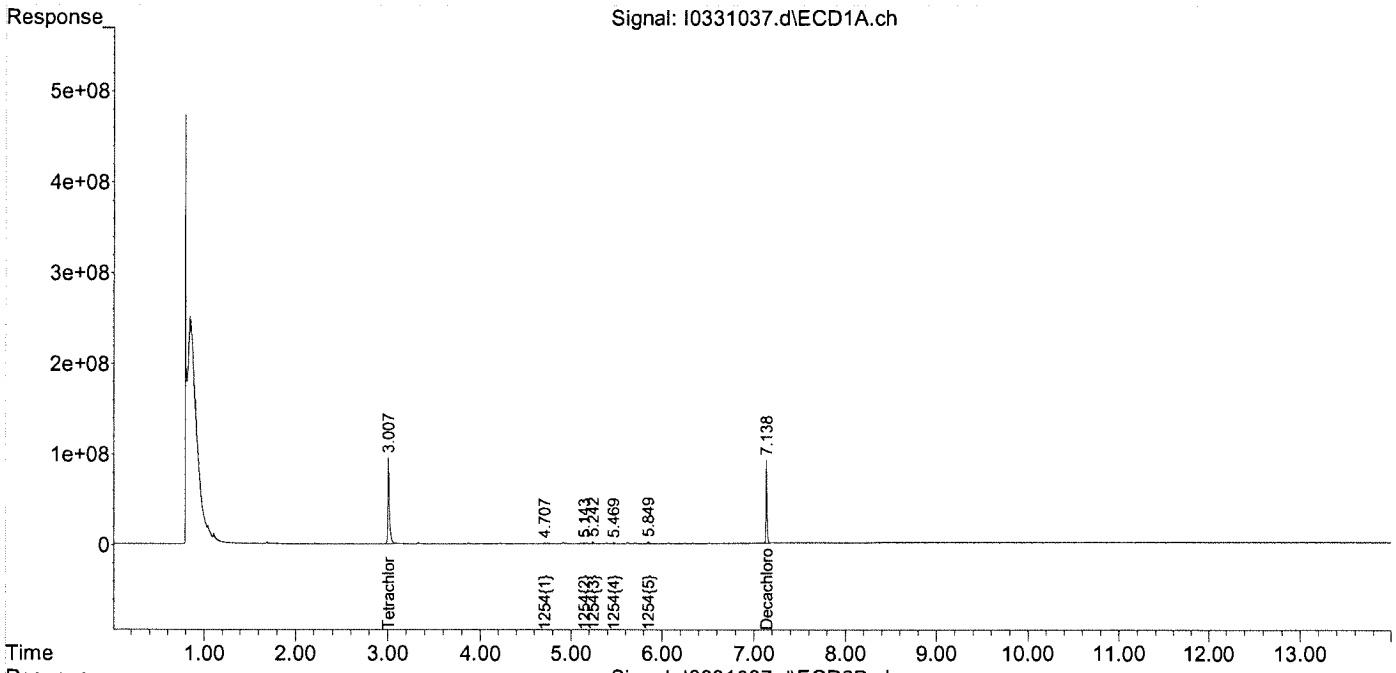


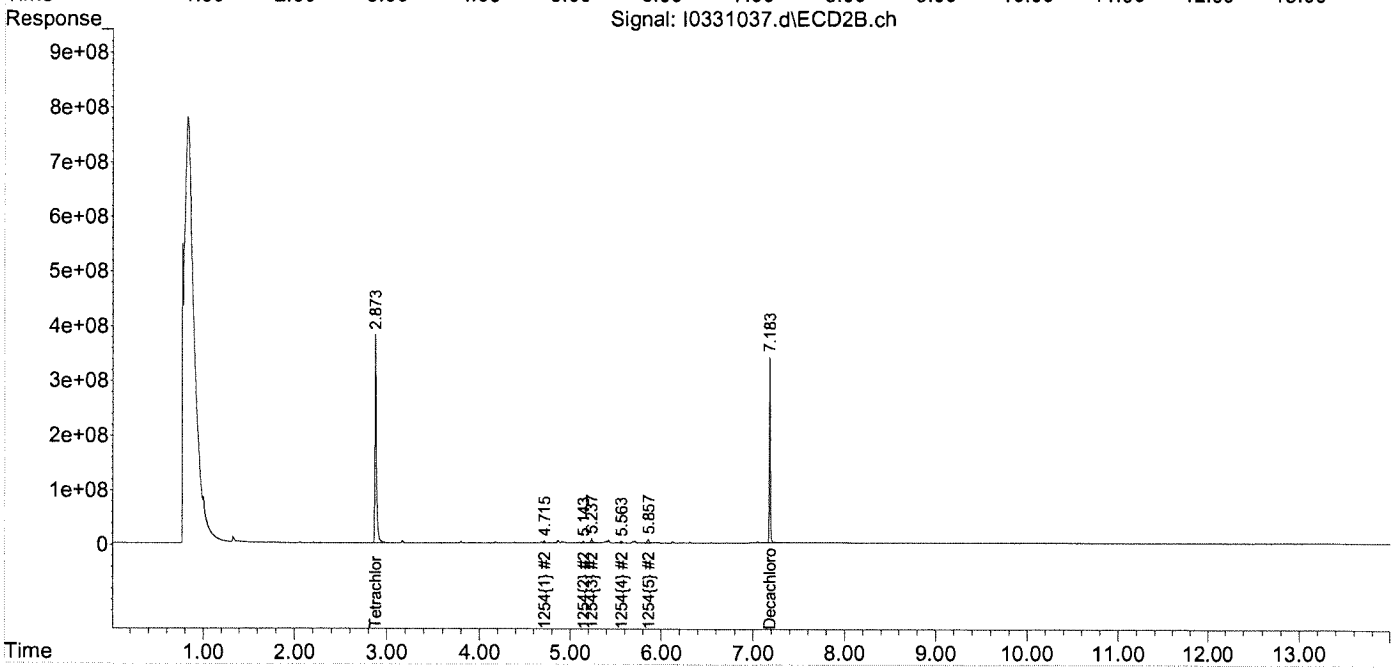
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033121\
Data File : I0331037.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2021 5:40 pm
Operator : JMB
Sample : 21C0929-04@5X TBA Inst : ECD 9
Misc :
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 01 14:40:02 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-PCB-032921.M
Quant Title : 1260/1016 022321; 1254-022221; 1248-022221; 1242-022221; 1232/1268-022221; 1221/1
QLast Update : Thu Mar 25 18:55:32 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



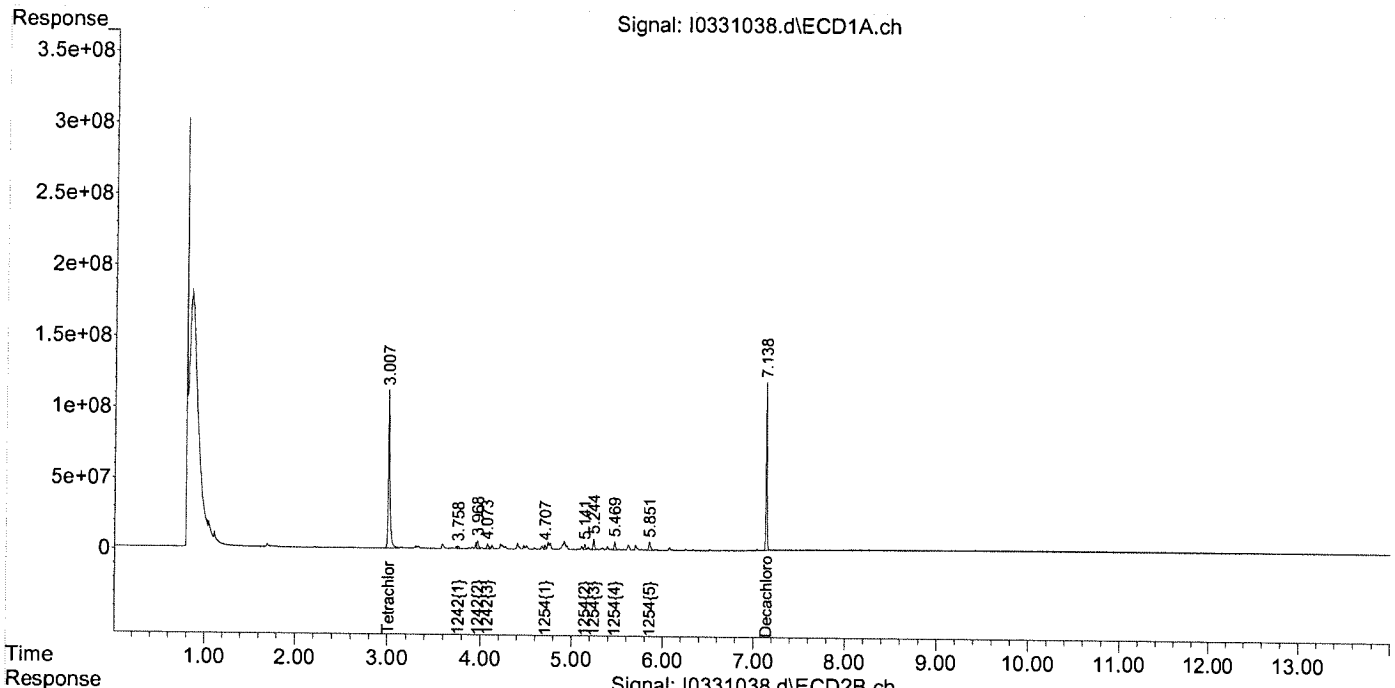


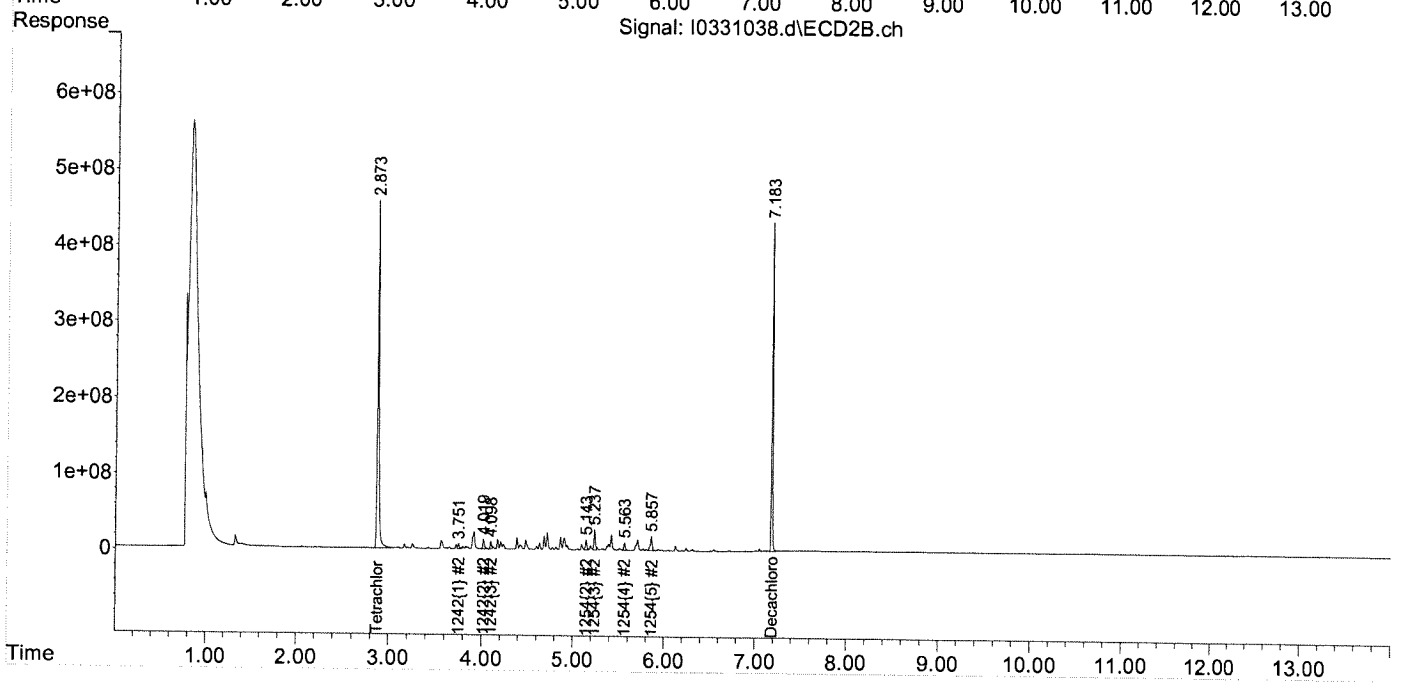
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033121\
Data File : I0331038.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2021 5:58 pm
Operator : JMB
Sample : 21C0929-10@5X TBA Inst : ECD 9
Misc :
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 01 14:42:07 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-PCB-032921.M
Quant Title : 1260/1016 022321; 1254-022221; 1248-022221; 1242-022221; 1232/1268-022221; 1221/1
QLast Update : Thu Mar 25 18:55:32 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



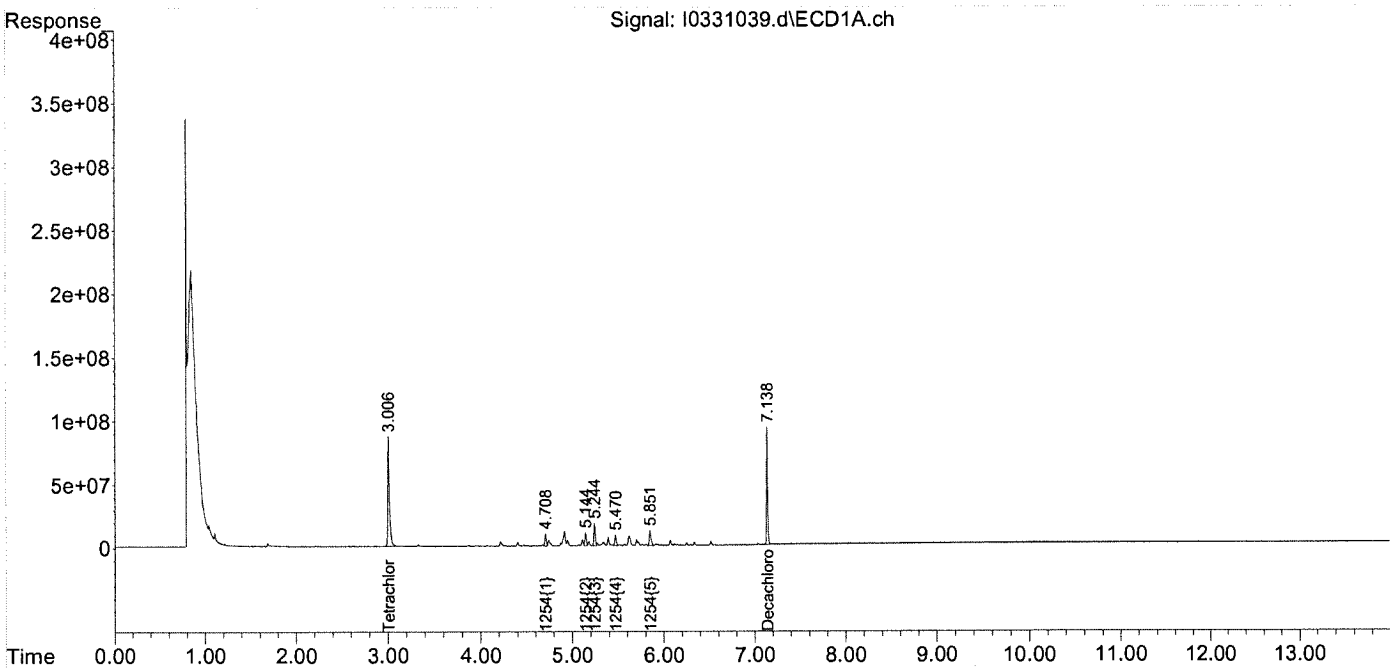


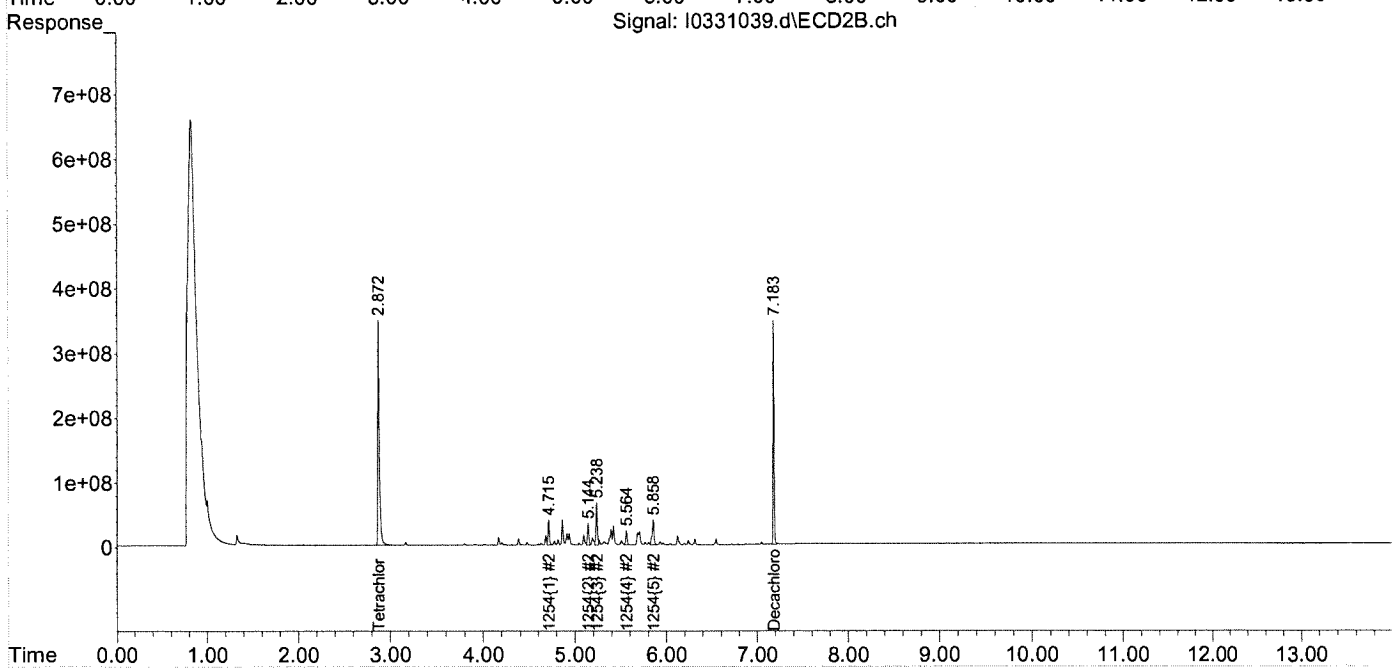
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033121\
Data File : I0331039.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2021 6:15 pm
Operator : JMB
Sample : 21C0929-11@5X TBA Inst : ECD 9
Misc :
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 01 14:44:00 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-PCB-032921.M
Quant Title : 1260/1016 022321; 1254-022221; 1248-022221; 1242-022221; 1232/1268-022221; 1221/1
QLast Update : Thu Mar 25 18:55:32 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

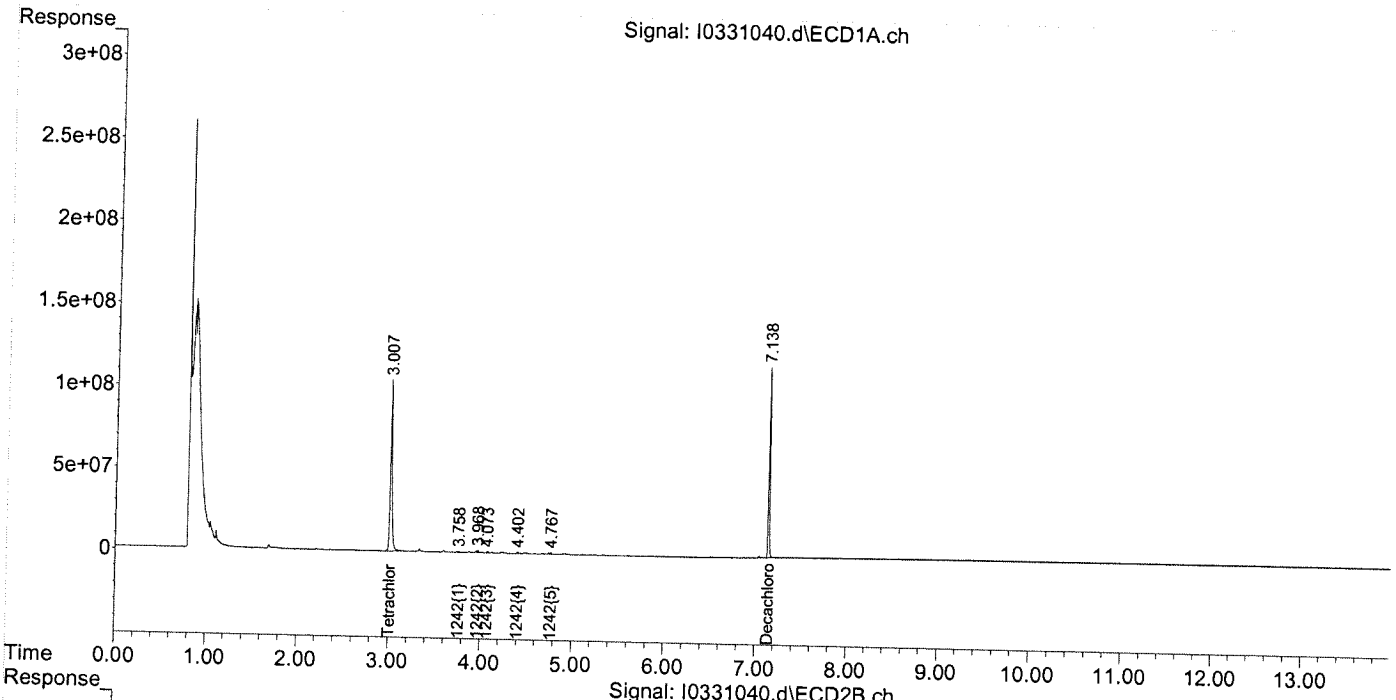
Data Path : C:\msdchem\1\data\033121\
Data File : I0331040.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2021 6:32 pm
Operator : JMB
Sample : 21C0929-12@5X TBA
Misc :
ALS Vial : 40 Sample Multiplier: 1

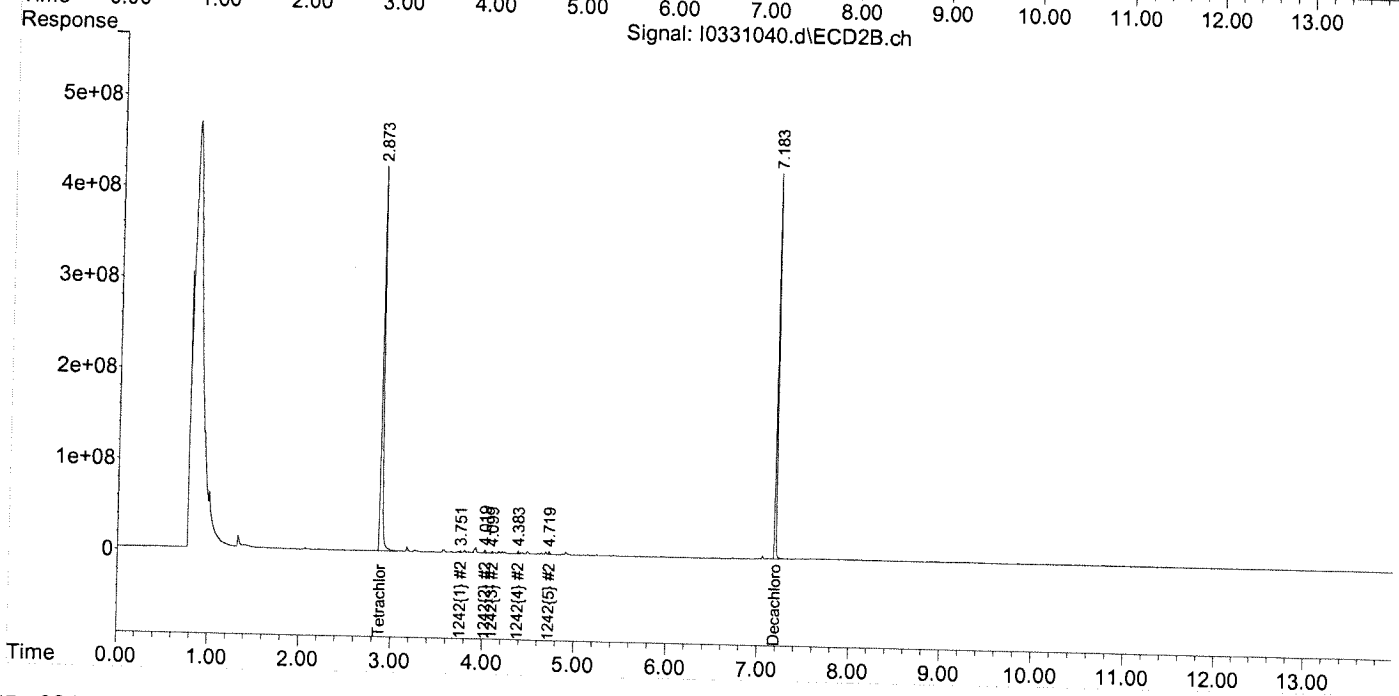
Inst : ECD 9

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 01 14:44:38 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-PCB-032921.M
Quant Title : 1260/1016 022321; 1254-022221; 1248-022221; 1242-022221; 1232/1268-022221; 1221/1
QLast Update : Thu Mar 25 18:55:32 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :

Signal #2 Phase:
Signal #2 Info :



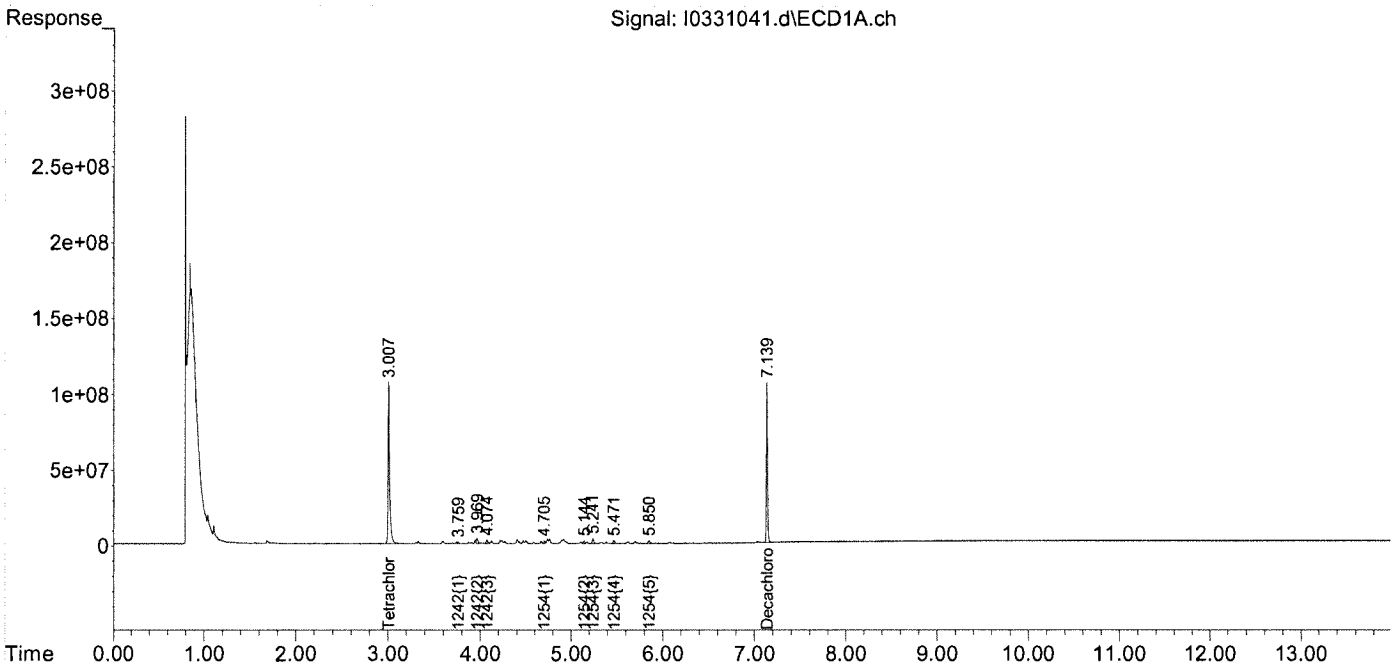


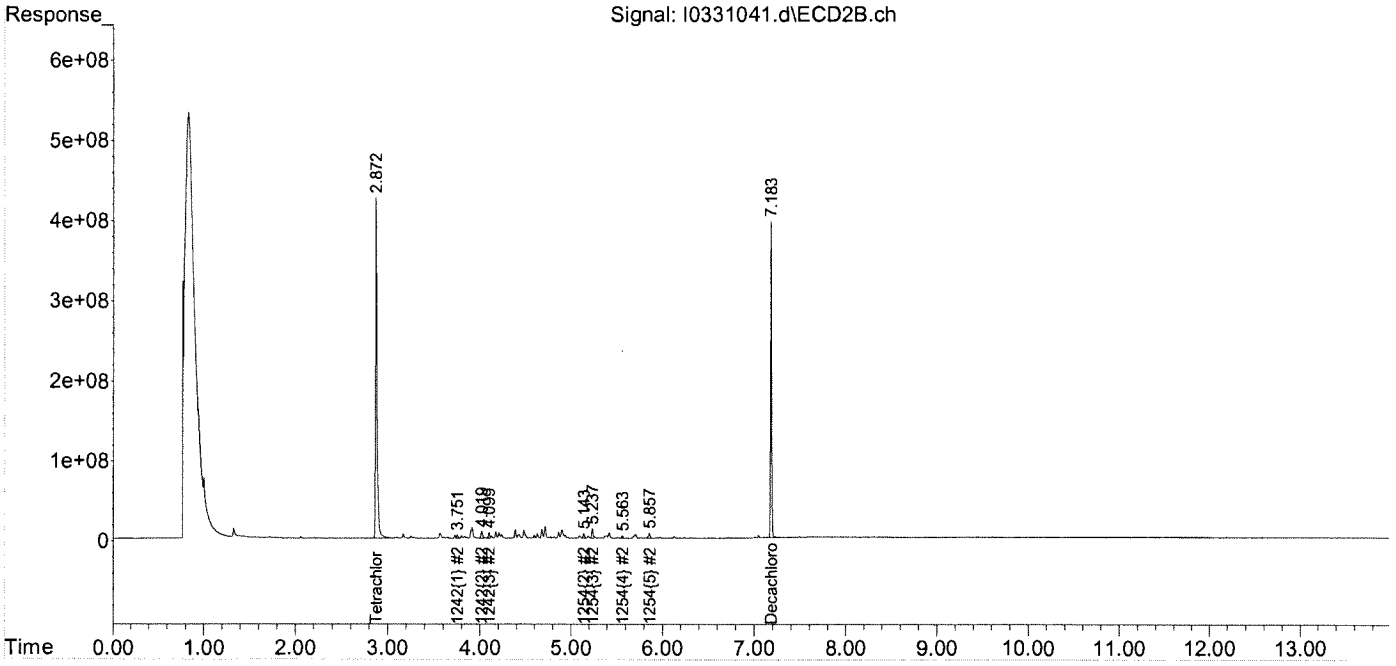
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033121\
Data File : I0331041.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2021 6:50 pm
Operator : JMB
Sample : 21C0929-13@5X TBA Inst : ECD 9
Misc :
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 01 14:45:32 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-PCB-032921.M
Quant Title : 1260/1016 022321; 1254-022221; 1248-022221; 1242-022221; 1232/1268-022221; 1221/1
QLast Update : Thu Mar 25 18:55:32 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



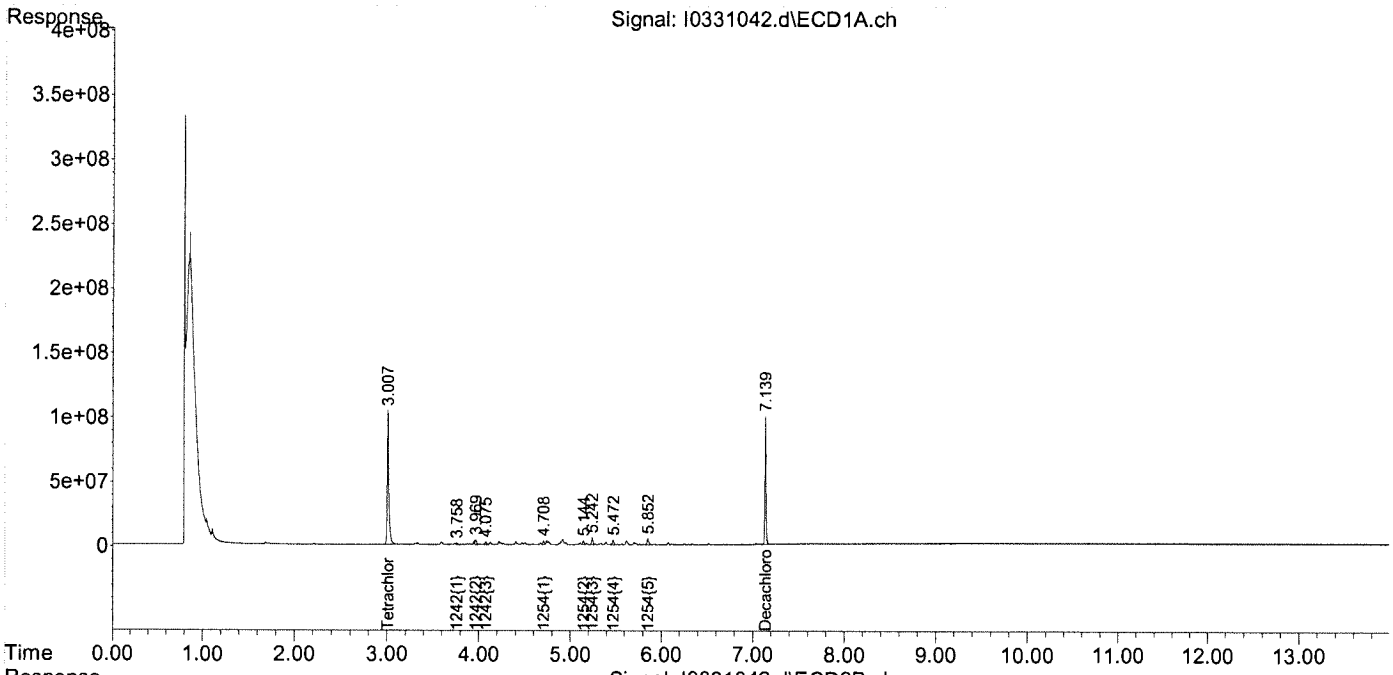


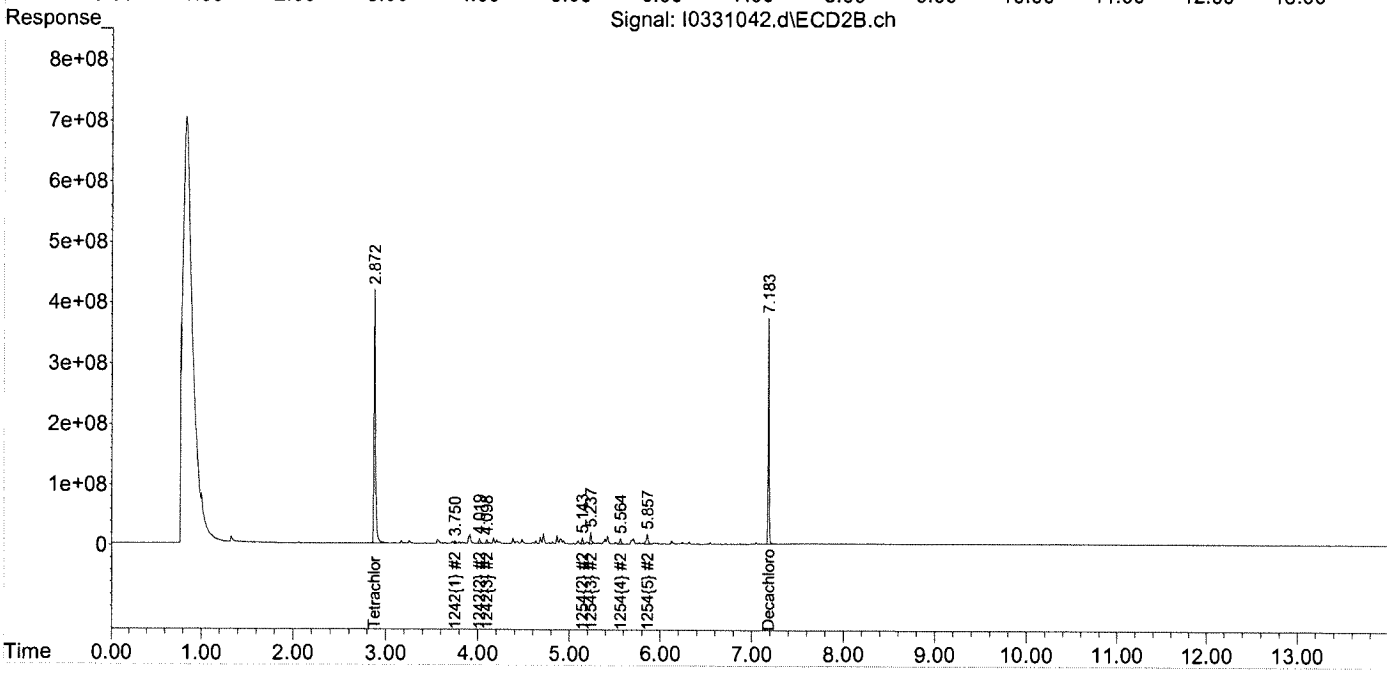
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\033121\
Data File : I0331042.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2021 7:07 pm
Operator : JMB
Sample : 21C0929-15@5X TBA Inst : ECD 9
Misc :
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 01 14:47:47 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-PCB-032921.M
Quant Title : 1260/1016 022321; 1254-022221; 1248-022221; 1242-022221; 1232/1268-022221; 1221/
QLast Update : Thu Mar 25 18:55:32 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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April 8, 2021

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

Project Location: 52 Institue Road, Burlington, Vermont
Client Job Number:
Project Number: 280BS01563 Task 7
Laboratory Work Order Number: 21D0073

Enclosed are results of analyses for samples received by the laboratory on April 1, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michelle M. Koch
Project Manager

Table of Contents

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

REPORT DATE: 4/8/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Task 7

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21D0073

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

PROJECT LOCATION: 52 Institue Road, Burlington, Vermont

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
210331.A40.132-1228	21D0073-01	Product/Solid		SW-846 8082A	
210331.A44.132-1230	21D0073-02	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.

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: 52 Institue Road, Burlington, Verm Sample Description: Work Order: 21D0073

Date Received: 4/1/2021

Field Sample #: 210331.A40.132-1228 Sampled: 3/31/2021 10:52

Sample ID: 21D0073-01

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	0.50	mg/Kg	5		SW-846 8082A	4/2/21	4/7/21 21:56	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/2/21	4/7/21 21:56	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/2/21	4/7/21 21:56	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/2/21	4/7/21 21:56	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/2/21	4/7/21 21:56	TG
Aroclor-1254 [1]	0.76	0.50	mg/Kg	5		SW-846 8082A	4/2/21	4/7/21 21:56	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/2/21	4/7/21 21:56	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/2/21	4/7/21 21:56	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/2/21	4/7/21 21:56	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.4	30-150		4/7/21 21:56
Decachlorobiphenyl [2]	80.8	30-150		4/7/21 21:56
Tetrachloro-m-xylene [1]	69.9	30-150		4/7/21 21:56
Tetrachloro-m-xylene [2]	69.0	30-150		4/7/21 21:56

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Project Location: 52 Institue Road, Burlington, Verm Sample Description: Work Order: 21D0073

Date Received: 4/1/2021

Field Sample #: 210331.A44.132-1230 Sampled: 3/31/2021 11:18

Sample ID: 21D0073-02

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	0.50	mg/Kg	5		SW-846 8082A	4/2/21	4/7/21 22:14	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/2/21	4/7/21 22:14	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/2/21	4/7/21 22:14	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/2/21	4/7/21 22:14	TG
Aroclor-1248 [2]	0.56	0.50	mg/Kg	5		SW-846 8082A	4/2/21	4/7/21 22:14	TG
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/2/21	4/7/21 22:14	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/2/21	4/7/21 22:14	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/2/21	4/7/21 22:14	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/2/21	4/7/21 22:14	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.5	30-150		4/7/21 22:14
Decachlorobiphenyl [2]	85.3	30-150		4/7/21 22:14
Tetrachloro-m-xylene [1]	79.8	30-150		4/7/21 22:14
Tetrachloro-m-xylene [2]	78.4	30-150		4/7/21 22:14

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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
21D0073-01 [210331.A40.132-1228]	B279367	2.00	10.0	04/02/21
21D0073-02 [210331.A44.132-1230]	B279367	2.00	10.0	04/02/21

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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 B279367 - SW-846 3540C										
Blank (B279367-BLK1)				Prepared: 04/02/21 Analyzed: 04/07/21						
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	*0.992*		mg/Kg	1.00		99.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.970*		mg/Kg	1.00		97.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.962*		mg/Kg	1.00		96.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.927*		mg/Kg	1.00		92.7	30-150			
LCS (B279367-BS1)				Prepared: 04/02/21 Analyzed: 04/07/21						
Aroclor-1016	0.98	0.10	mg/Kg	1.00		97.6	40-140			
Aroclor-1016 [2C]	0.92	0.10	mg/Kg	1.00		92.4	40-140			
Aroclor-1260	0.91	0.10	mg/Kg	1.00		90.9	40-140			
Aroclor-1260 [2C]	0.84	0.10	mg/Kg	1.00		83.8	40-140			
Surrogate: Decachlorobiphenyl	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.987*		mg/Kg	1.00		98.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.927*		mg/Kg	1.00		92.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.890*		mg/Kg	1.00		89.0	30-150			
LCS Dup (B279367-BSD1)				Prepared: 04/02/21 Analyzed: 04/07/21						
Aroclor-1016	0.94	0.10	mg/Kg	1.00		94.3	40-140	3.40	30	
Aroclor-1016 [2C]	0.89	0.10	mg/Kg	1.00		89.1	40-140	3.70	30	
Aroclor-1260	0.89	0.10	mg/Kg	1.00		89.4	40-140	1.71	30	
Aroclor-1260 [2C]	0.83	0.10	mg/Kg	1.00		82.6	40-140	1.44	30	
Surrogate: Decachlorobiphenyl	*0.979*		mg/Kg	1.00		97.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.958*		mg/Kg	1.00		95.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.907*		mg/Kg	1.00		90.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.867*		mg/Kg	1.00		86.7	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210331.A40.132-1228

Lab Sample ID: 21D0073-01 Date(s) Analyzed: 04/07/2021 04/07/2021

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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	0.76	
	2	0.000	0.000	0.000	0.66	14.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210331.A44.132-1230

Lab Sample ID: 21D0073-02 Date(s) Analyzed: 04/07/2021 04/07/2021

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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	0.52	
	2	0.000	0.000	0.000	0.56	7.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B279367-BS1 Date(s) Analyzed: 04/07/2021 04/07/2021

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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	0.98	
	2	0.000	0.000	0.000	0.92	6.3
Aroclor-1260	1	0.000	0.000	0.000	0.91	
	2	0.000	0.000	0.000	0.84	8.0

con-test®
A Pace Analytical® Laboratory

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B279367-BSD1 Date(s) Analyzed: 04/07/2021 04/07/2021

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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	0.94	
	2	0.000	0.000	0.000	0.89	5.5
Aroclor-1260	1	0.000	0.000	0.000	0.89	
	2	0.000	0.000	0.000	0.83	7.0

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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 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	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2021
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	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2021
FL	Florida Department of Health	E871027 NELAP	06/30/2021
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2021
ME	State of Maine	MA00100	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2021
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2021
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

21D0073

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

Page 1 of 1

Company Name: ATC Group Services LLC
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980
Project Name: Burlington High School - Subslab
Project Location: 52 Institue Road, Burlington, Vermont
Project Number: 280BS01563 Phase 012
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: N. Amato, J. Adams, K. Paritz

Requested Turnaround Time
7-Day (5day) ☒ 10-Day ☐
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

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 Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
1	210331.A40.132-1228	3/31/21	1052	Grab	O	U		1				✓	✓
2	210331.A44.132-1230	1	11:18	Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS 2
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

Relinquished by: (signature)	Date/Time:
	3.31.21 1600
Received by: (signature)	Date/Time:
GMM	4-1-21 9:35
Relinquished by: (signature)	Date/Time:
GMM	4/1/21 9:35
Received by: (signature)	Date/Time:
	4/1/21 935
Relinquished by: (signature)	Date/Time:
	4/1/21 1620
Received by: (signature)	Date/Time:
4.0	4/1/21 1620
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments: 5day turn around.

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

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

NELAC and AIHA-LAP, LLC Accredited

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

[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)

Lab 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

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

con-test® ANALYTICAL LABORATORY

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 ATL

Received By _____ Date 4/1/21 Time 1620

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

Direct from Sampling _____ Ambient _____ Melted Ice _____

By Gun # 3 Actual Temp - 4.0

Were samples within Temperature? 2-6°C T 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	2
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:

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B279367

Con-Test, a Pace Analytical Laboratory

Printed: 4/2/2021 4:18:36PM

Prepared using: SW-846 3540C

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2103427 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

4/8/21

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B279367-BLK1	Blank			LG 4/5/21	#1	20	10.0		1000		
B279367-BS1	LCS							1000	1000		
B279367-BSD1	LCS Dup							1000	1000		
B279367-MS1	Matrix Spike [21C1541-01]							1000	1000		
B279367-MSD1	Matrix Spike Dup [21C1541-01]							1000	1000		
21C1537-10	PBM-10 3C	04/08/21	04/12/21	CAH 4/5/21	#26	2.1	10.0		1000	Report to MDL	7
21C1538-19	CS-A31	04/08/21	04/13/21			20			1000	Report to MDL	7
21C1538-20	CS-A27	04/08/21	04/13/21						1000	Report to MDL	7
21C1541-01	CS-B2	04/08/21	04/13/21	ESD4-6-21			10.0		1000	Report to MDL	7
21C1541-02	CS-B3	04/08/21	04/13/21	ESD4-6-21					1000	Report to MDL	7
21C1541-03	CS-B4	04/08/21	04/13/21						1000	Report to MDL	7
21C1541-04	CS-B6	04/08/21	04/13/21			2.1			1000	Report to MDL	7
21C1541-05	CS-B5	04/08/21	04/13/21			20			1000	Report to MDL	7
21C1541-06	CS-B7	04/08/21	04/13/21						1000	Report to MDL	7
21C1541-07	CS-B8	04/08/21	04/13/21						1000	Report to MDL	7
21C1541-08	CS-B9	04/08/21	04/13/21						1000	Report to MDL	7
21C1541-09	CS-B11	04/08/21	04/13/21						1000	Report to MDL	7
21C1541-10	CS-B10	04/08/21	04/13/21						1000	Report to MDL	7

SPF (SPF) (w/ JRA) 4/3/2021
Spikedby/Witnessed By Date

AMF 4-2-21
Extracted By Date

ran 4/7/21 #10 AMC
prepped 040621 JR

C:\ELMNT\Print\bch_DEF_EXT_TAT.rpt

PREPARATION BENCH SHEET

B279367

Con-Test, a Pace Analytical Laboratory

Printed: 4/2/2021 4:18:36PM

Analysis
8082 Soxhlet

Prepared using: SW-846 3540C

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2103427 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
21D0073-01	210331.A40.132-1228 4A	04/08/21	04/14/21			2.0			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21D0073-02	210331.A44.132-1230 1	04/08/21	04/14/21						1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21D0078-01	210331.A40.132-1229 4B	04/08/21	04/14/21						1000	Extract & Hold, RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21D0078-02	210331.A44.132-1231 1	04/08/21	04/14/21		cardboard shavings 2.1				1000	Extract & Hold, RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5

Start Date/Time 4/3/2021 12:25

StopDate/Time 4/4/21 12:00

Standard ID#	Description	Manufacture Lot#
2102077	Sodium Sulfate (Drum 45.5kg)	0000256524
2102213	Acetone	207047
2102277	Hexanes	61008
2103038	Filter Paper (VWR 121) 15.0cm	17184076
2103265	Sodium Sulfate (Baked)	Sodium Sulfate/2
2103299	Distilled Solvent - MeCl2	DCM/ACE
2103329	Methylene Chloride (200 L Drum)	EA414-US

SW 834007e034

Spikedby/Witnessed By Date

Extracted By Date

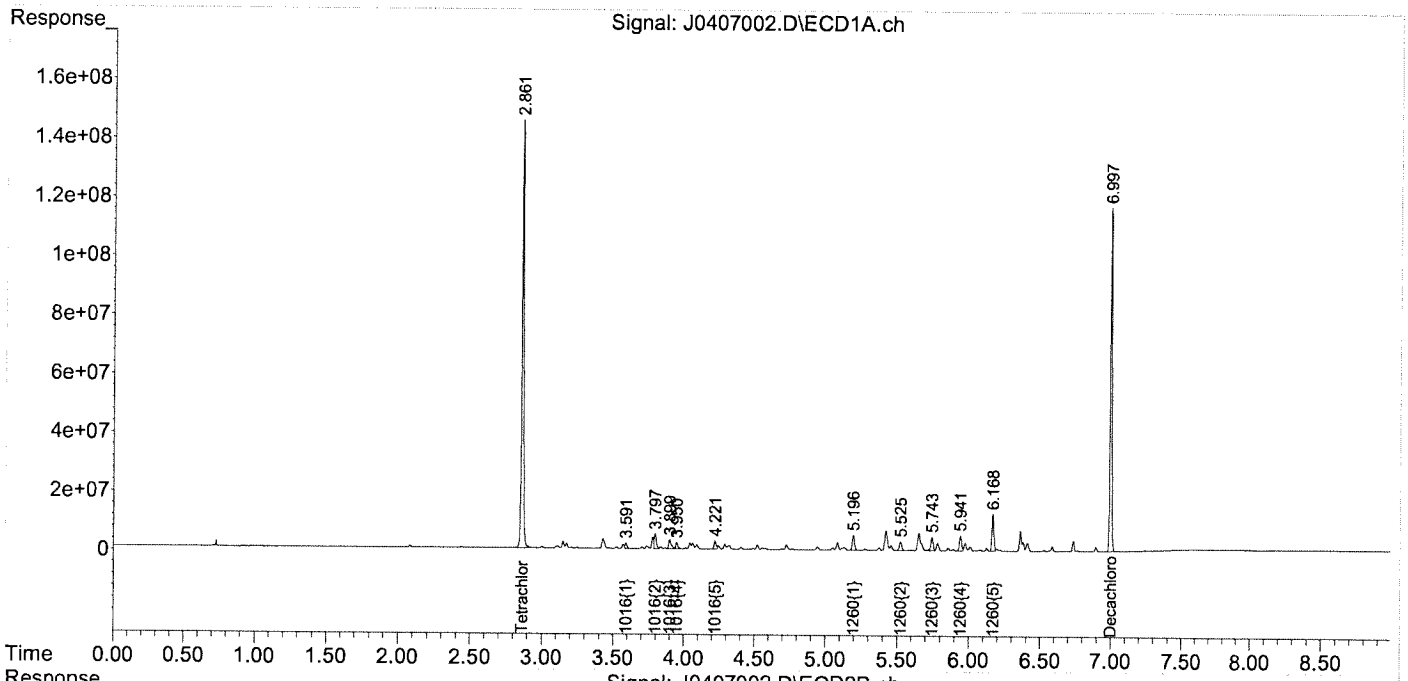
C:\ELMNT\Print\bch_DEF_EXT_TAT.rpt

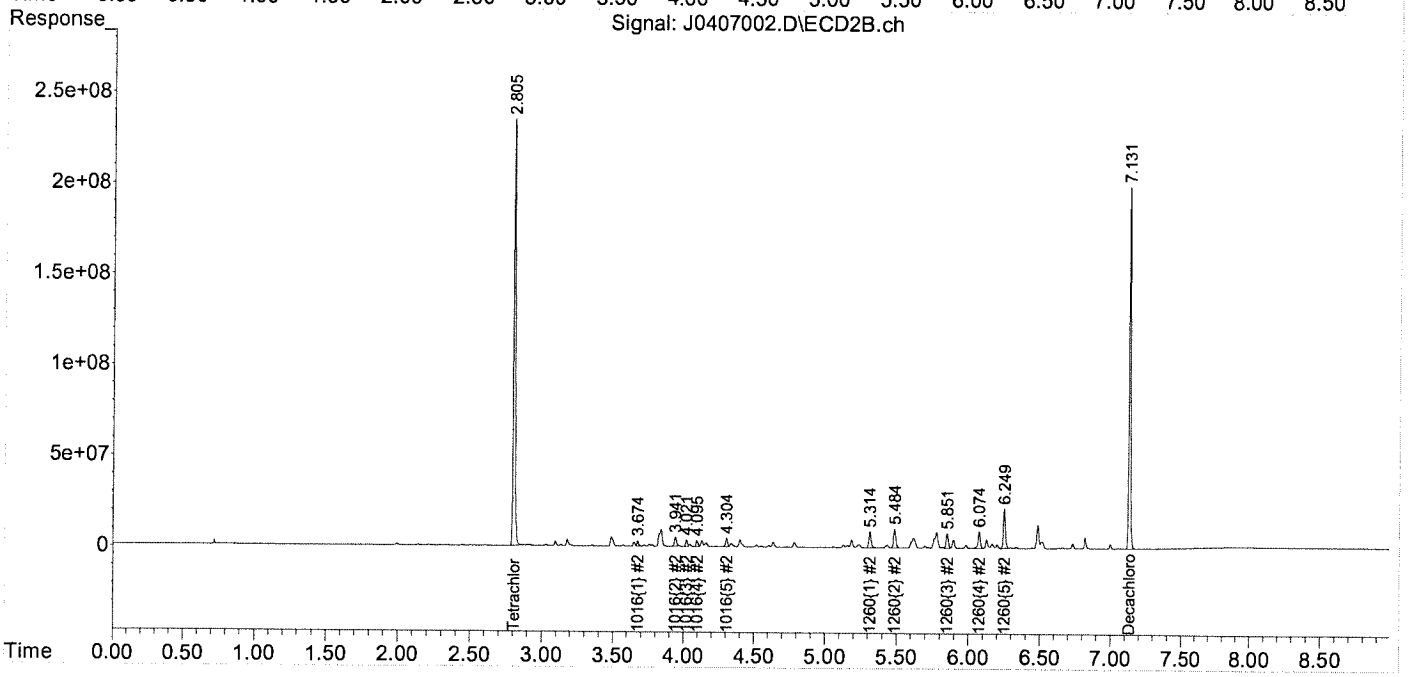
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\040721\
Data File : J0407002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Apr 2021 9:46 am
Operator : JMB
Sample : 1260/1016 100 2102019 Inst : ECD10
Misc : mix[s,11,17]
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 07 11:03:56 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-PCB-032421C.M
Quant Title : 60/16-032421, 54-032321, 48-032321, 42-032321, 32/68-032421, 21/62-032321 210010
QLast Update : Wed Mar 24 20:35:06 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



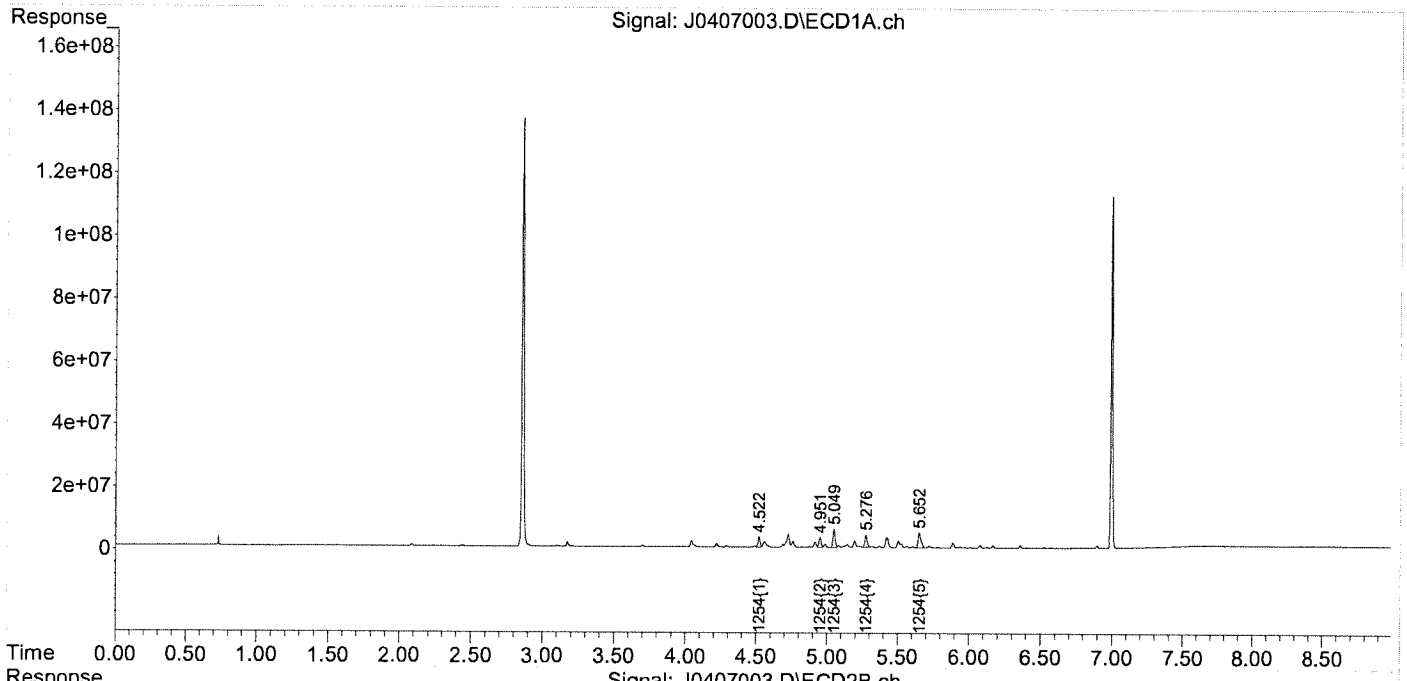


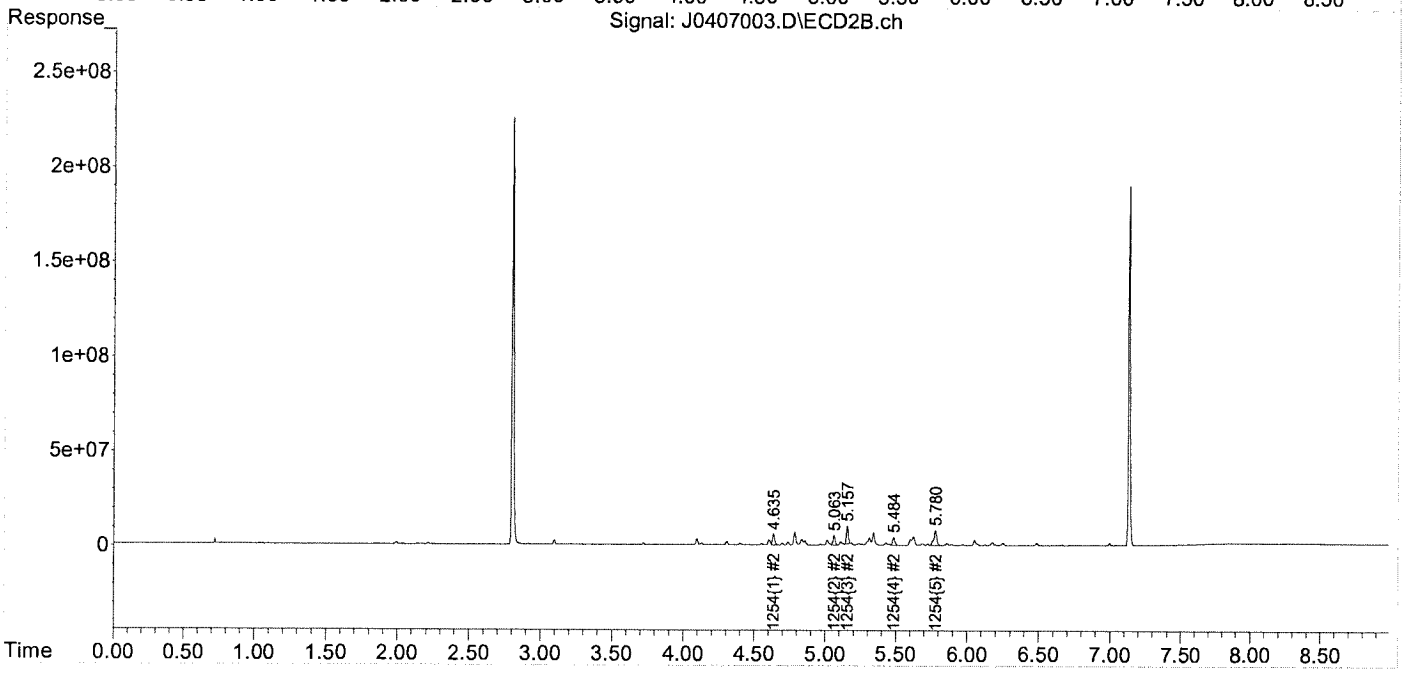
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\040721\
Data File : J0407003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Apr 2021 9:58 am
Operator : JMB
Sample : 1254 100 2010265 Inst : ECD10
Misc : mix[16]
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 07 11:03:59 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-PCB-032421C.M
Quant Title : 60/16-032421, 54-032321, 48-032321, 42-032321, 32/68-032421, 21/62-032321 210010
QLast Update : Wed Mar 24 20:35:06 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



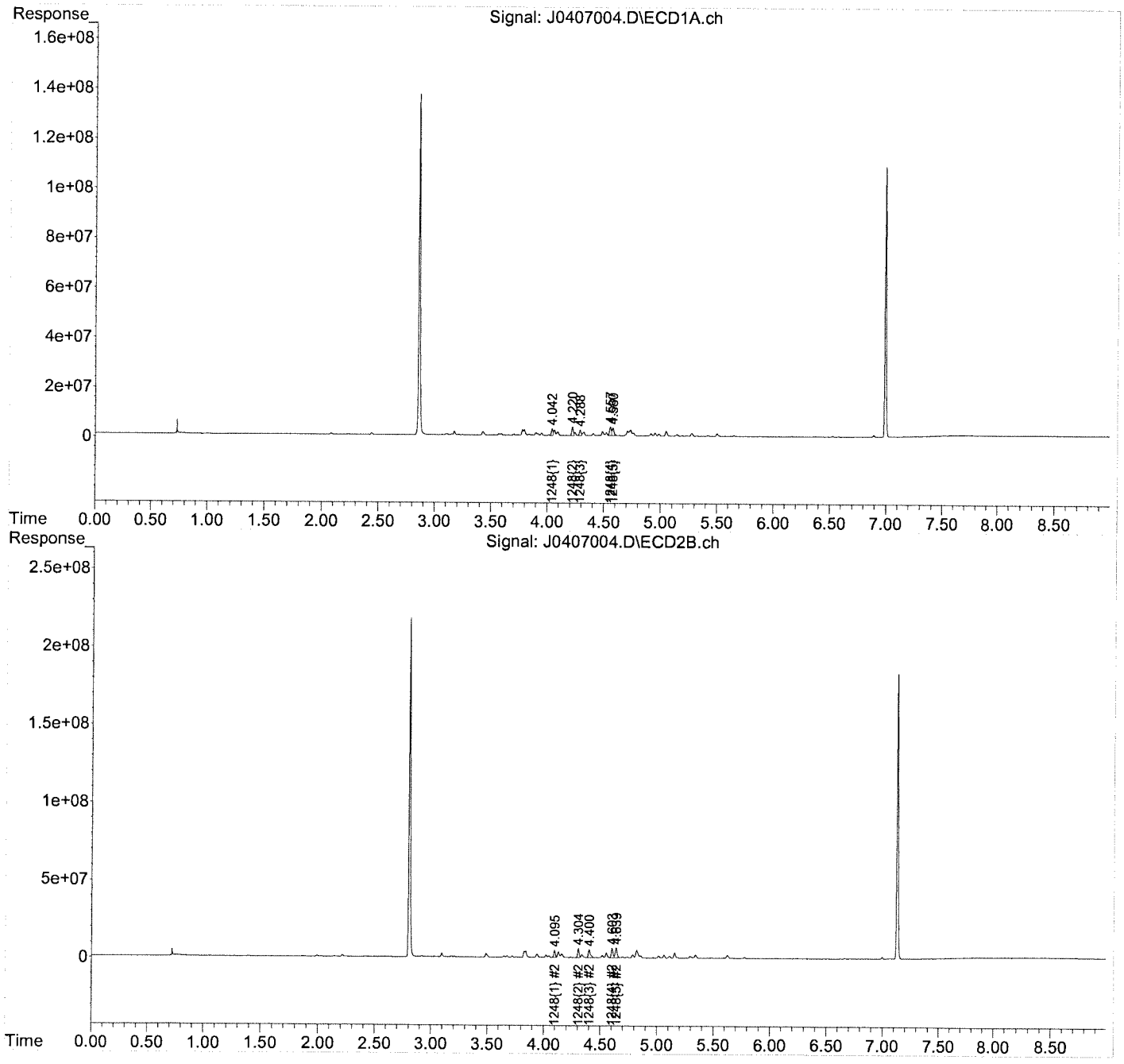


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\040721\
Data File : J0407004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Apr 2021 10:11 am
Operator : JMB
Sample : 1248 100 2010210 Inst : ECD10
Misc : mix[l5]
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 07 11:04:02 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-PCB-032421C.M
Quant Title : 60/16-032421, 54-032321, 48-032321, 42-032321, 32/68-032421, 21/62-032321 210010
QLast Update : Wed Mar 24 20:35:06 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

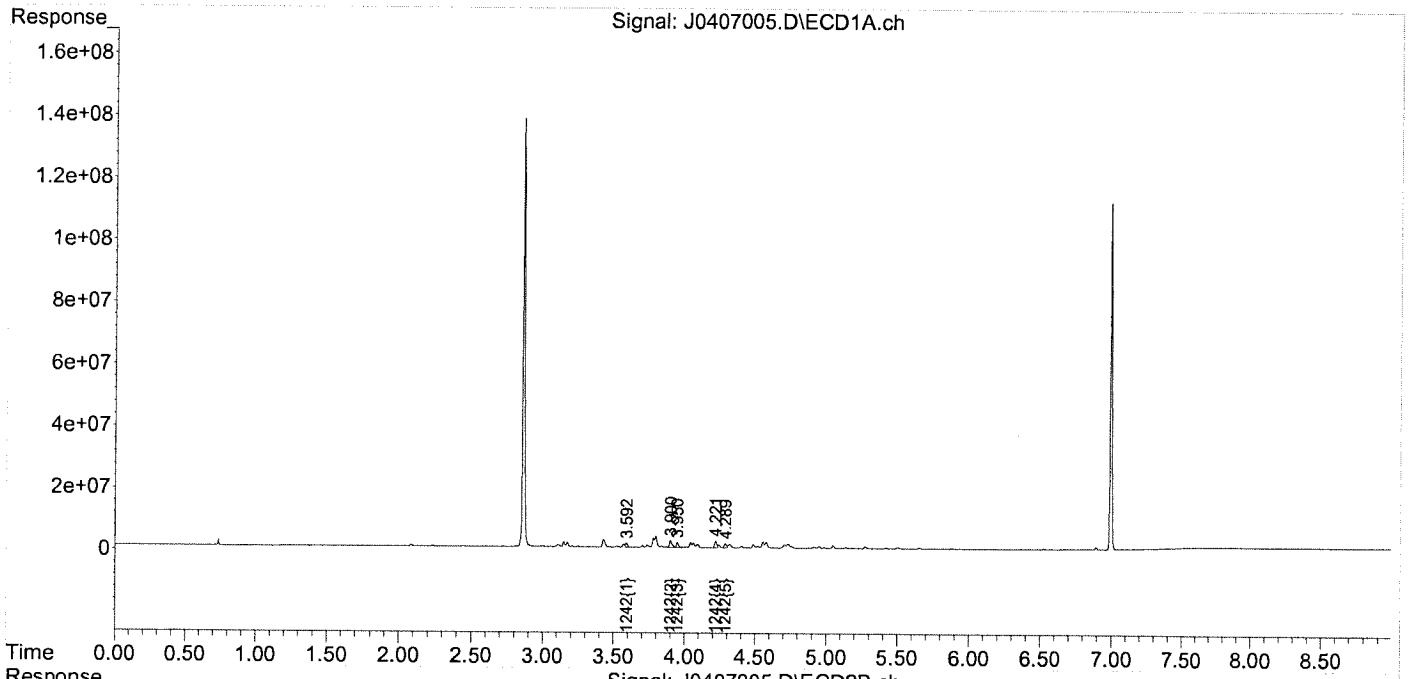


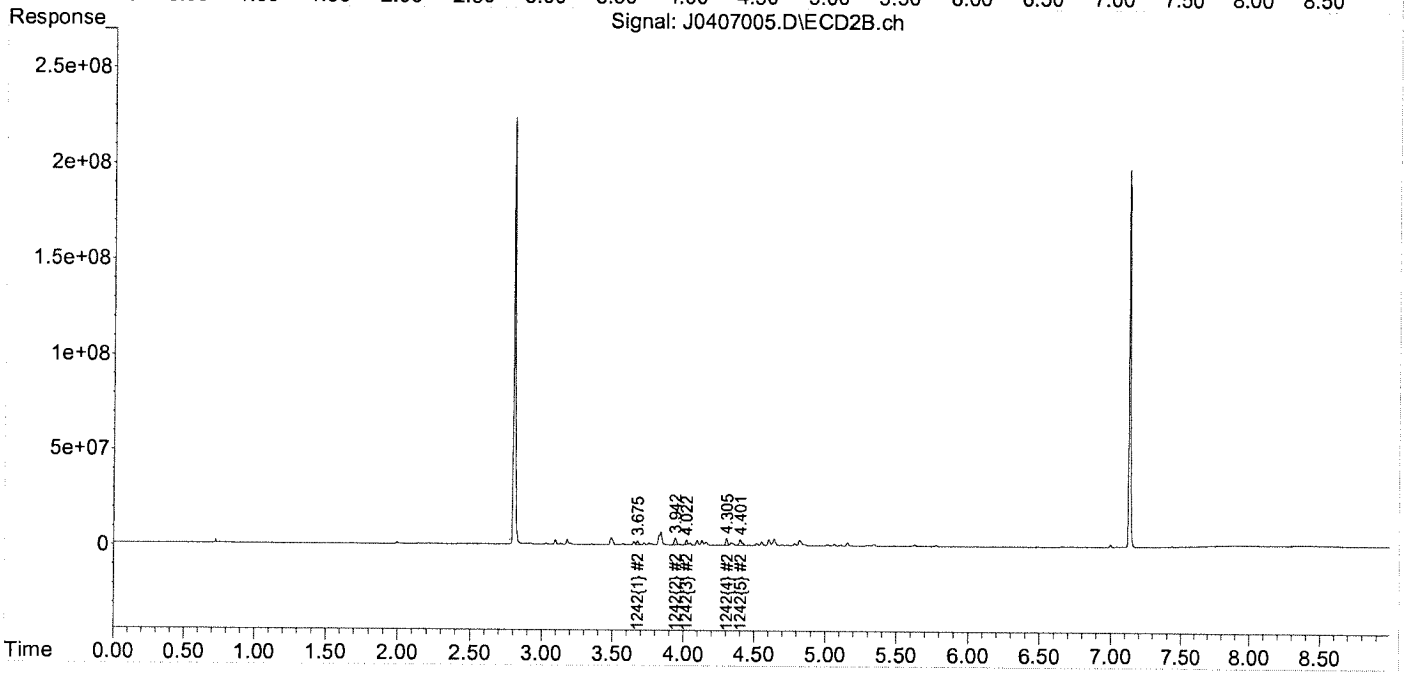
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\040721\
Data File : J0407005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Apr 2021 10:23 am
Operator : JMB
Sample : 1242 100 2009334 Inst : ECD10
Misc : mix[14]
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 07 11:04:05 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-PCB-032421C.M
Quant Title : 60/16-032421, 54-032321, 48-032321, 42-032321, 32/68-032421, 21/62-032321 210010
QLast Update : Wed Mar 24 20:35:06 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



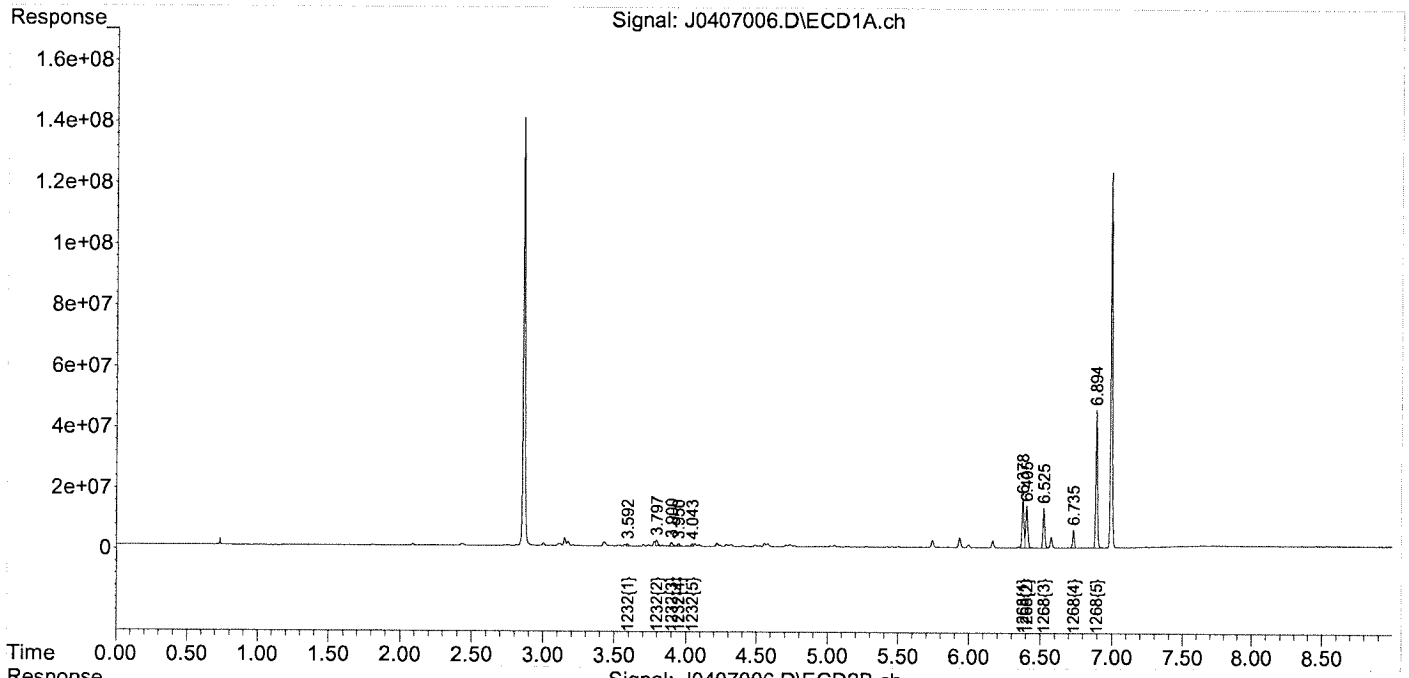


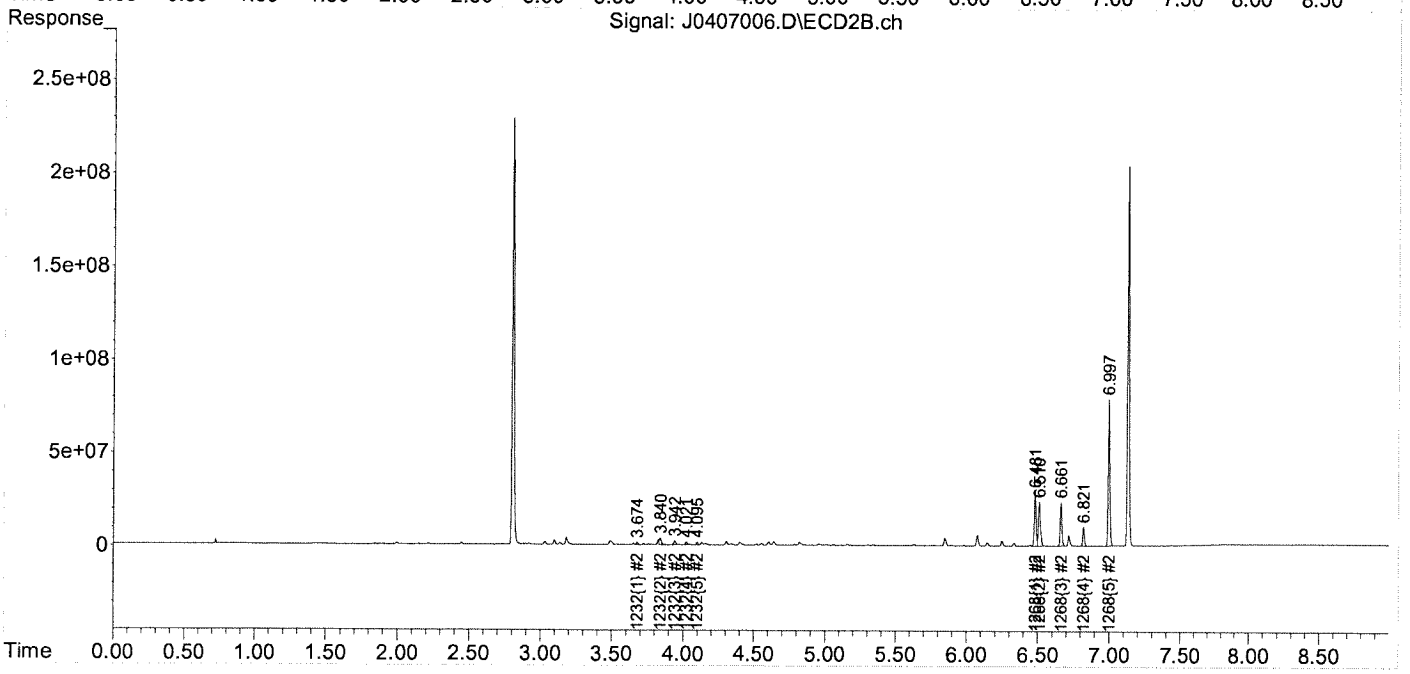
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\040721\
Data File : J0407006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Apr 2021 10:35 am
Operator : JMB
Sample : 1232/1268 100 2012310 Inst : ECD10
Misc : mix[13,19]
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 07 11:04:08 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-PCB-032421C.M
Quant Title : 60/16-032421, 54-032321, 48-032321, 42-032321, 32/68-032421, 21/62-032321 210010
QLast Update : Wed Mar 24 20:35:06 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



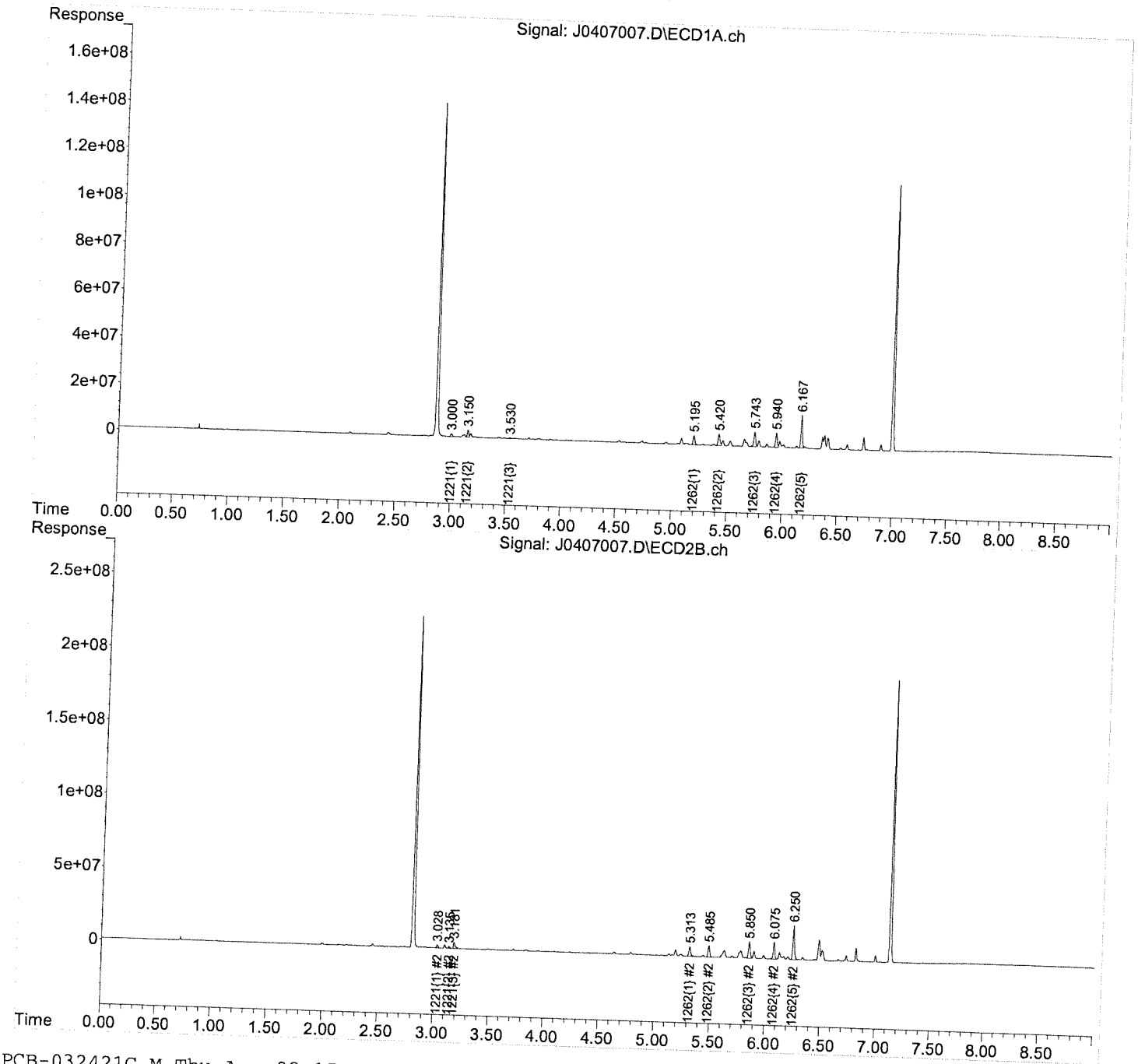


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\040721\
Data File : J0407007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Apr 2021 10:47 am
Operator : JMB
Sample : 1221/1262 100 2012379
Misc : mix[12,18] Inst : ECD10
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 07 11:05:00 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-PCB-032421C.M
Quant Title : 60/16-032421, 54-032321, 48-032321, 42-032321, 32/68-032421, 21/62-032321 210010
QLast Update : Wed Mar 24 20:35:06 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :

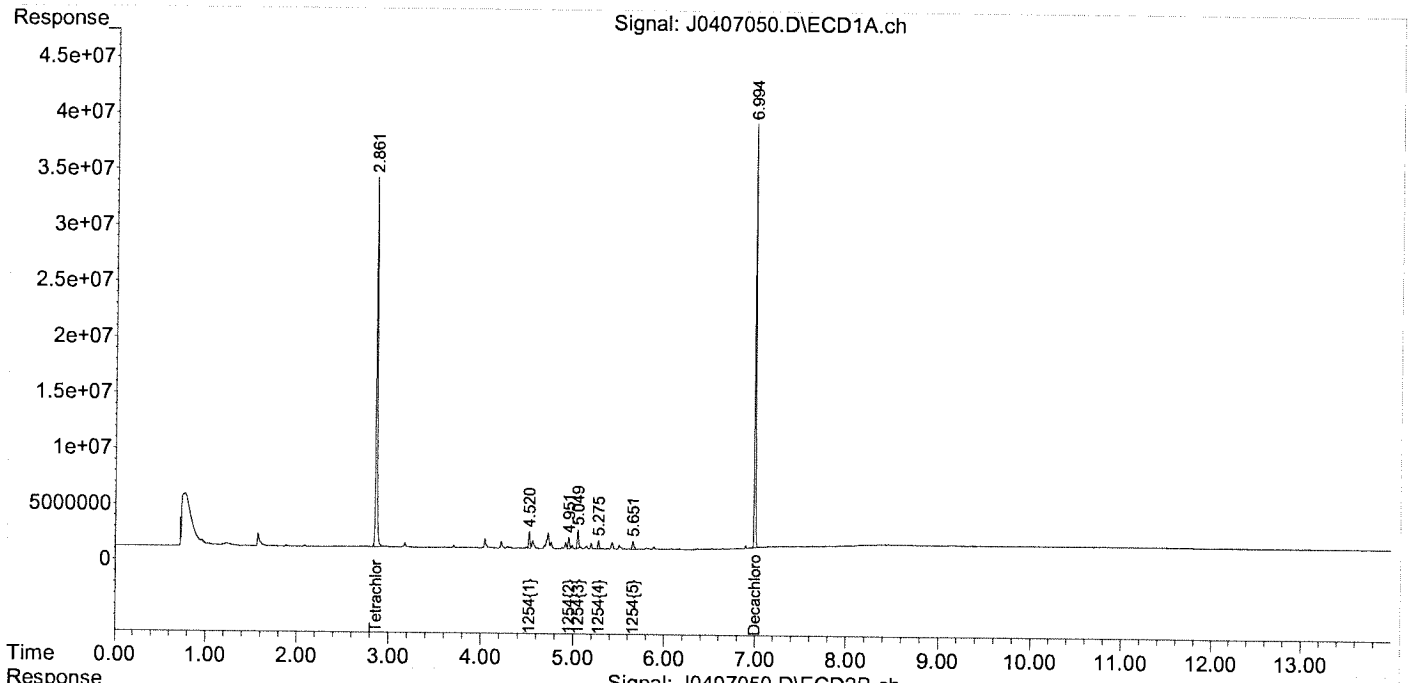


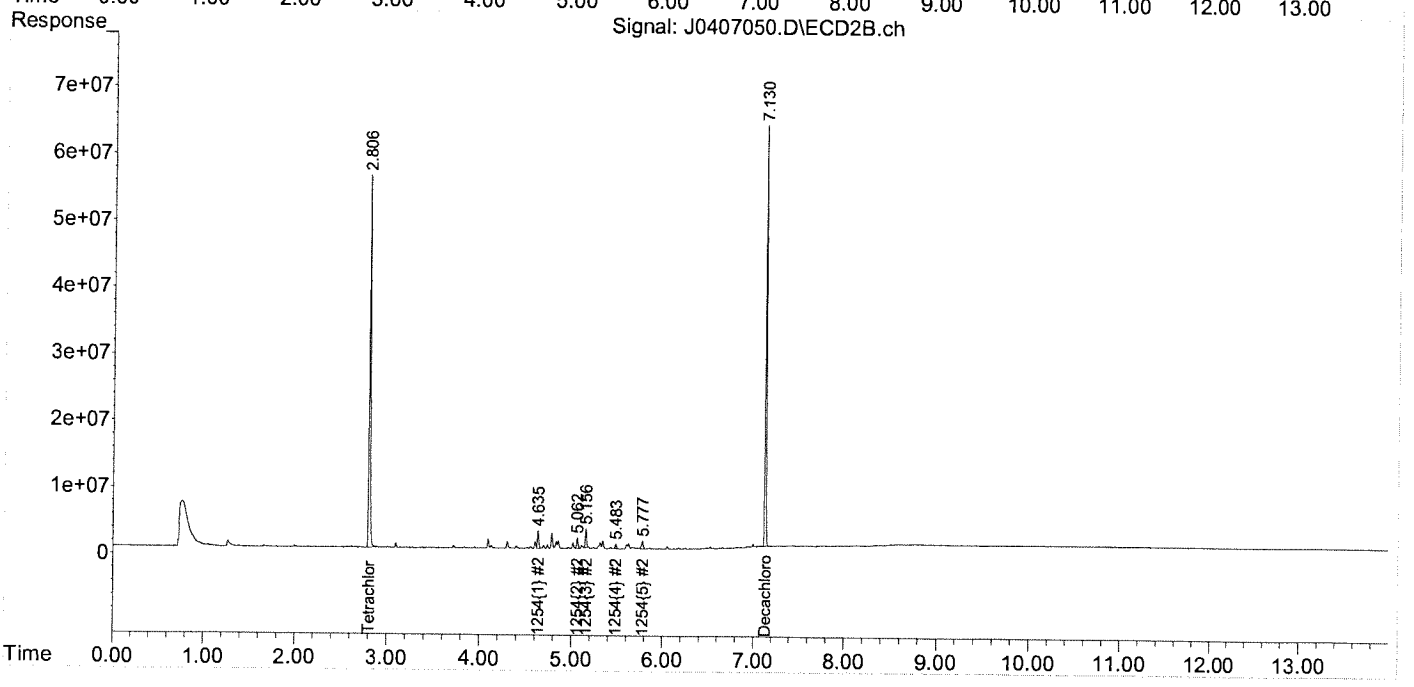
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\040721\
Data File : J0407050.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Apr 2021 9:56 pm
Operator : JMB
Sample : 21D0073-01@5X TBA Inst : ECD10
Misc :
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 08 14:33:07 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-PCB-032421C.M
Quant Title : 60/16-032421, 54-032321, 48-032321, 42-032321, 32/68-032421, 21/62-032321 210010
QLast Update : Wed Mar 24 20:35:06 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



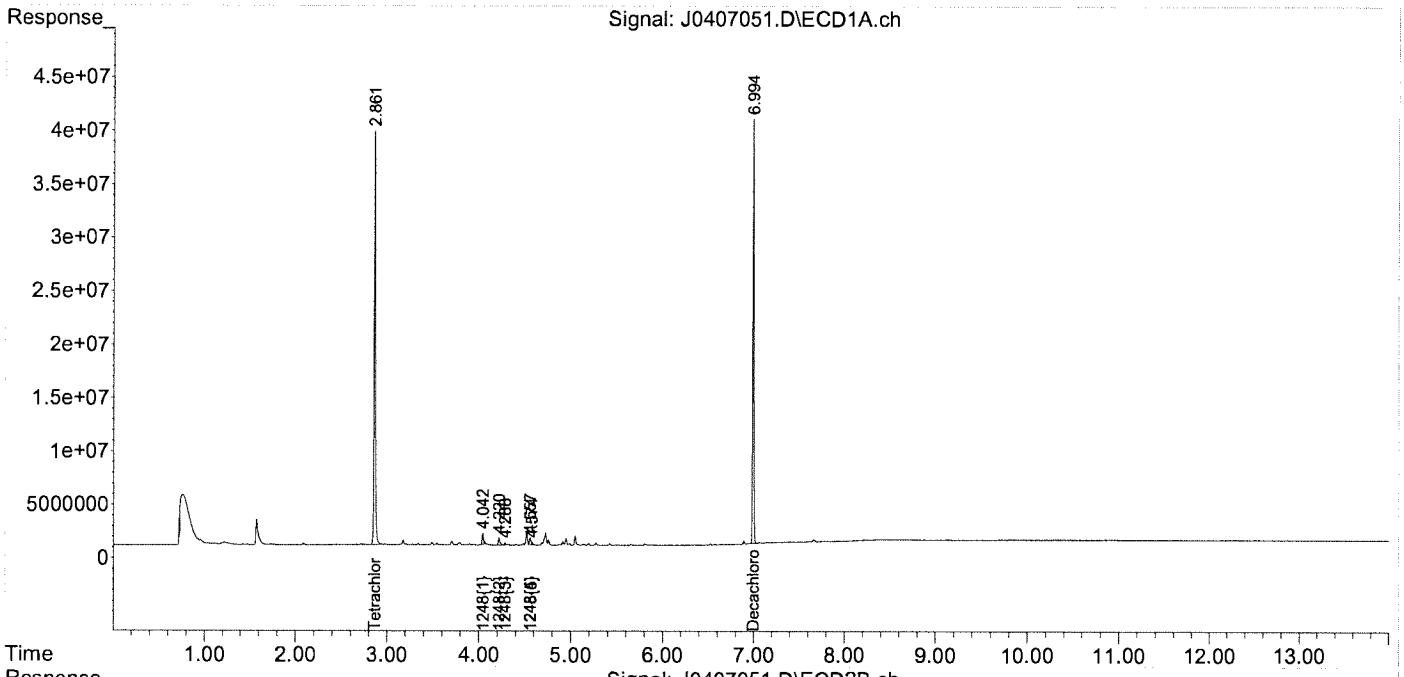


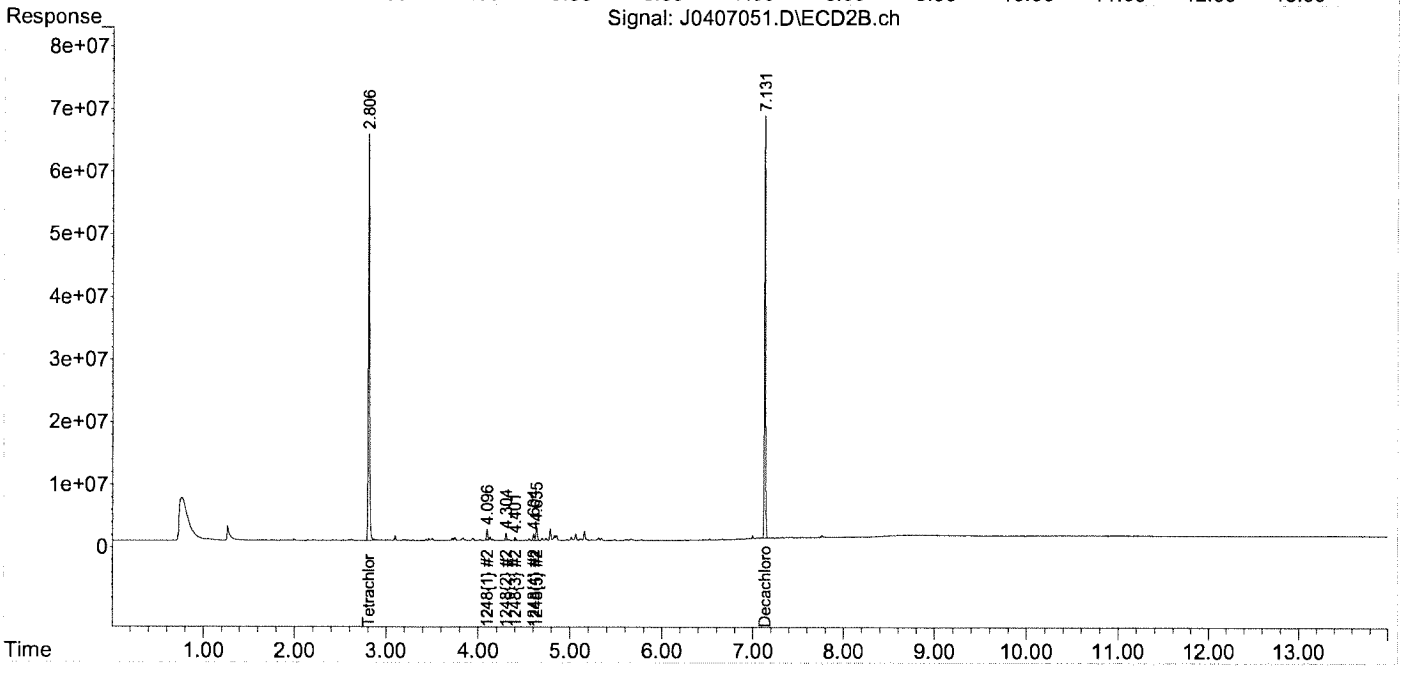
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\040721\
Data File : J0407051.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Apr 2021 10:14 pm
Operator : JMB
Sample : 21D0073-02@5X TBA Inst : ECD10
Misc :
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 08 14:42:37 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-PCB-032421C.M
Quant Title : 60/16-032421, 54-032321, 48-032321, 42-032321, 32/68-032421, 21/62-032321 210010
QLast Update : Wed Mar 24 20:35:06 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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

April 8, 2021

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

Project Location: 52 Institue Road, Burlington, Vermont
Client Job Number:
Project Number: 280BS01563 Task 7
Laboratory Work Order Number: 21D0078

Enclosed are results of analyses for samples received by the laboratory on April 1, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michelle M. Koch
Project Manager

Table of Contents

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

REPORT DATE:

PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

WORK ORDER NUMBER:

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

PROJECT LOCATION:

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB

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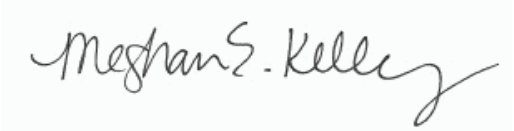
CASE NARRATIVE SUMMARY

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

Qualifications:

Analyte & Samples(s) Qualified:

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.



Meghan E. Kelley
Project Management Supervisor

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

Project Location: Sample Description: Work Order:

Date Received:

Field Sample #:

Sample ID: Start Date/Time:

Sample Matrix: Stop Date/Time:

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**			**Flag/Qual**					

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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

No certified Analyses included in this Report

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2021
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	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2021
FL	Florida Department of Health	E871027 NELAP	06/30/2021
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2021
ME	State of Maine	MA00100	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2021
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2021
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

2100078

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

Page 1 of 1

Company Name: ATC Group Services, LLC
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980
Project Name: Burlington High School - Building
Project Location: 52 Institue Road, Burlington, Vermont
Project Number: 280BS01563 Phase 012
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: N. Amato, J. Adams, K. Paritz

Requested Turnaround Time
7-Day 5day X | 10-Day | PFAS 10-Day (std) ☐ | Due Date:

Rush Approval Required
1-Day ☐ | 3-Day ☐ | 2-Day ☐ | 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

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 Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
1 2103310	A40.132-1229	3/31/21	1057	Grab	O	U		1				✓	✓
2 2103311	A44.132-1231	↓	11:21	Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS 2
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

Relinquished by: (signature)		Date/Time: 3.31.21 1600
Received by: (signature)	GMM	Date/Time: 4-1-21 9:35
Relinquished by: (signature)	GMM	Date/Time: 4-1-21 9:35
Received by: (signature)		Date/Time: 4/1/21 935
Relinquished by: (signature)		Date/Time: 4/1/21 1620
Received by: (signature)	4.0	Date/Time: 4/1/21 1620
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Client Comments: Extraction Only and Hold. Do not analyze until further Instruction Provided. (5 day TAT)

Detection Limit Requirements
MA
GW
Others: 0.5 parts per million (ppm)

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*

Lab Comments:

[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.

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

con-test® ANALYTICAL LABORATORY

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 4/1/21 Time 1620

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

Direct from Sampling _____ Ambient _____ Melted Ice _____

By Gun # 3 Actual Temp - 4.0

Were samples within Temperature? 2-6°C T 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	2
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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April 15, 2021

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

Project Location: 52 Institute Road, Burlington, VT
Client Job Number:
Project Number: 280BS01563 Task 7
Laboratory Work Order Number: 21D0305

Enclosed are results of analyses for samples received by the laboratory on April 7, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michelle M. Koch
Project Manager

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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: Jesse Stratton

REPORT DATE: 4/15/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Task 7

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21D0305

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

PROJECT LOCATION: 52 Institute Road, Burlington, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
210406.A40.135-1323	21D0305-01	Product/Solid		SW-846 8082A	

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

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: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21D0305

Date Received: 4/7/2021

Field Sample #: 210406.A40.135-1323 Sampled: 4/6/2021 12:37

Sample ID: 21D0305-01

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	0.50	mg/Kg	5		SW-846 8082A	4/9/21	4/15/21 5:04	JMB
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/9/21	4/15/21 5:04	JMB
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/9/21	4/15/21 5:04	JMB
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/9/21	4/15/21 5:04	JMB
Aroclor-1248 [1]	2.3	0.50	mg/Kg	5		SW-846 8082A	4/9/21	4/15/21 5:04	JMB
Aroclor-1254 [1]	7.0	0.50	mg/Kg	5		SW-846 8082A	4/9/21	4/15/21 5:04	JMB
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/9/21	4/15/21 5:04	JMB
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/9/21	4/15/21 5:04	JMB
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/9/21	4/15/21 5:04	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.0	30-150		4/15/21 5:04
Decachlorobiphenyl [2]	93.4	30-150		4/15/21 5:04
Tetrachloro-m-xylene [1]	90.7	30-150		4/15/21 5:04
Tetrachloro-m-xylene [2]	89.7	30-150		4/15/21 5:04

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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
21D0305-01 [210406.A40.135-1323]	B279777	2.02	10.0	04/09/21

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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 B279777 - SW-846 3540C										
Blank (B279777-BLK1)				Prepared: 04/09/21 Analyzed: 04/14/21						
Aroclor-1016	ND	0.097	mg/Kg							
Aroclor-1016 [2C]	ND	0.097	mg/Kg							
Aroclor-1221	ND	0.097	mg/Kg							
Aroclor-1221 [2C]	ND	0.097	mg/Kg							
Aroclor-1232	ND	0.097	mg/Kg							
Aroclor-1232 [2C]	ND	0.097	mg/Kg							
Aroclor-1242	ND	0.097	mg/Kg							
Aroclor-1242 [2C]	ND	0.097	mg/Kg							
Aroclor-1248	ND	0.097	mg/Kg							
Aroclor-1248 [2C]	ND	0.097	mg/Kg							
Aroclor-1254	ND	0.097	mg/Kg							
Aroclor-1254 [2C]	ND	0.097	mg/Kg							
Aroclor-1260	ND	0.097	mg/Kg							
Aroclor-1260 [2C]	ND	0.097	mg/Kg							
Aroclor-1262	ND	0.097	mg/Kg							
Aroclor-1262 [2C]	ND	0.097	mg/Kg							
Aroclor-1268	ND	0.097	mg/Kg							
Aroclor-1268 [2C]	ND	0.097	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.879*		mg/Kg	0.966		90.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.836*		mg/Kg	0.966		86.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.853*		mg/Kg	0.966		88.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.815*		mg/Kg	0.966		84.3	30-150			
LCS (B279777-BS1)				Prepared: 04/09/21 Analyzed: 04/14/21						
Aroclor-1016	0.91	0.10	mg/Kg	0.995		91.8	40-140			
Aroclor-1016 [2C]	0.86	0.10	mg/Kg	0.995		86.0	40-140			
Aroclor-1260	0.84	0.10	mg/Kg	0.995		84.6	40-140			
Aroclor-1260 [2C]	0.77	0.10	mg/Kg	0.995		77.3	40-140			
Surrogate: Decachlorobiphenyl	*0.903*		mg/Kg	0.995		90.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.860*		mg/Kg	0.995		86.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.857*		mg/Kg	0.995		86.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.820*		mg/Kg	0.995		82.4	30-150			
LCS Dup (B279777-BSD1)				Prepared: 04/09/21 Analyzed: 04/14/21						
Aroclor-1016	0.90	0.098	mg/Kg	0.980		91.3	40-140	1.99	30	
Aroclor-1016 [2C]	0.84	0.098	mg/Kg	0.980		85.4	40-140	2.22	30	
Aroclor-1260	0.84	0.098	mg/Kg	0.980		85.2	40-140	0.782	30	
Aroclor-1260 [2C]	0.76	0.098	mg/Kg	0.980		77.9	40-140	0.809	30	
Surrogate: Decachlorobiphenyl	*0.909*		mg/Kg	0.980		92.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.867*		mg/Kg	0.980		88.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.898*		mg/Kg	0.980		91.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.858*		mg/Kg	0.980		87.5	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210406.A40.135-1323

Lab Sample ID: 21D0305-01 Date(s) Analyzed: 04/15/2021 04/15/2021

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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	2.3	
	2	0.000	0.000	0.000	2.0	14.0
Aroclor-1254	1	0.000	0.000	0.000	7.0	
	2	0.000	0.000	0.000	6.3	10.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B279777-BS1

Date(s) Analyzed: 04/14/2021 04/14/2021

Instrument ID (1): ECD10

Instrument ID (2): ECD10

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	0.91	
	2	0.000	0.000	0.000	0.86	5.7
Aroclor-1260	1	0.000	0.000	0.000	0.84	
	2	0.000	0.000	0.000	0.77	8.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B279777-BSD1 Date(s) Analyzed: 04/14/2021 04/14/2021

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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	0.84	6.9
Aroclor-1260	1	0.000	0.000	0.000	0.84	
	2	0.000	0.000	0.000	0.76	10.0

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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 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	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2021
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	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2021
FL	Florida Department of Health	E871027 NELAP	06/30/2021
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2021
ME	State of Maine	MA00100	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2021
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2021
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

21D0305

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

Page 1 of 1

Company Name: ATC Group Services, LLC
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980
Project Name: Burlington High School - Building F A
Project Location: 52 Institue Road, Burlington, Vermont
Project Number: 280BS01563 Phase 012
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: N. Amato, J. Adams, K. Paritz

Requested Turnaround Time
7-Day [5 day ☒] 10-Day ☐
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

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 Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
1 210406	A40.135-1323	4/6/21	12:37	Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓

[2] Preservation Code: I I

Courier Use Only
Total Number Of:
VIALS ____
GLASS 1
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)

Relinquished/Received	Date/Time
Relinquished by: (signature) [signature]	4/6/21 / 16:30
Received by: (signature) [signature] GMM	4/7/21 9:16am
Relinquished by: (signature) [signature] GMM	4/7/21 9:16am
Received by: (signature) [signature]	4/7/21 9:16am
Relinquished by: (signature) [signature]	4/7/21 1420
Received by: (signature) [signature] 4.2	4/7/21 1420
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

Lab 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 wha analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Co Test values your partnership on each project and will try to assist with missing information, but will no be held accountable.

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

con-test® ANALYTICAL LABORATORY

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 4/7/21 Time 1420

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

Direct from Sampling _____ Ambient _____ Melted Ice _____

By Gun # 2 Actual Temp - 4.2

Were samples within Temperature? 2-6°C T 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 Project T Analysis T ID's T Sampler Name 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	1
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:

Analysis
8082 Soxhlet

PREPARATION BENCH SHEET

B279777

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 4/9/2021 7:47:43AM

Surrogate Solution
~~2103193~~ Pest/PCB Surrogate - 2000 ug/L
21-04138 AHF 4-9-21

Spiking Solution
2103427 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

2.00 - 2.09

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B279777-BLK1	Blank			CAH 4/12/21	B#2 #1	2.07	10.0		1000		
B279777-BS1	LCS			〃	〃 〃	2.01	〃	1000	1000		
B279777-BSD1	LCS Dup			〃	〃 〃	2.04	〃	1000	1000		
B279777-MS1	Matrix Spike [21D0263-01]			~~CAH~~ CAH 4/13/21		2.04	10.0	1000	1000		
B279777-MSD1	Matrix Spike Dup [21D0263-01]			〃		2.02	〃	1000	1000		
21D0074-01	210331.B21.132-1226 4A	04/15/21	04/14/21	LG 4/13/21	#59	2.08	10.0		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21D0080-01	210331.B21.132-1227 〃	04/15/21	04/14/21	〃	〃	2.00	〃		1000	Extract & Hold, RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21D0263-01	CS-B225 30-1 E	04/13/21	04/20/21	CAH 4/13/21		2.03	10.0		1000	Report to the MDL	7
21D0263-02	CS-B226	04/13/21	04/20/21	CAH 4/12/21	B#2 #1	2.04	10.0		1000	Report to the MDL	7
21D0263-03	CS-B227	04/13/21	04/20/21	〃	〃 〃	2.05	〃		1000	Report to the MDL	7
21D0263-04	CS-B241	04/13/21	04/20/21	〃	G-5	2.03	〃		1000	Report to the MDL	7
21D0263-05	CS-B242	04/13/21	04/20/21	CAH 4/13/21		2.05	〃		1000	Report to the MDL	7
21D0263-06	CS-B239	04/13/21	04/20/21	〃	〃	2.06	〃		1000	Report to the MDL	7
21D0263-07	CS-B234	04/13/21	04/20/21	〃	〃	2.05	〃		1000	Report to the MDL	7
21D0263-08	CS-B235	04/13/21	04/20/21	〃	〃	2.03	〃		1000	Report to the MDL	7
21D0263-09	CS-B233	04/13/21	04/20/21	〃	〃	2.03	〃		1000	Report to the MDL	7
21D0263-10	CS-B238 〃	04/13/21	04/20/21	〃	〃	2.06	〃		1000	Report to the MDL	7

SPC

AHF SPC and 4/9/21
Spikedby/Witnessed By Date

EHG 4/9/21
Extracted By Date

ran 4/14/21 #10 AMC
Prepped 041421 JR

C:\ELMNT\Print\bch_DEF_EXT_TAT.rpt

Analysis
8082 Soxhlet

PREPARATION BENCH SHEET

B279777

Con-Test, a Pace Analytical Laboratory

Printed: 4/9/2021 7:47:43AM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2103427 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Prepared using: SW-846 3540C

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
21D0263-11	CS-B232 30-1 E	04/13/21	04/20/21			2.02			1000	Report to the MDL	7
21D0263-12	CS-B237	04/13/21	04/20/21			2.06			1000	Report to the MDL	7
21D0263-13	CS-B236	04/13/21	04/20/21			2.04			1000	Report to the MDL	7
21D0263-14	CS-B240	04/13/21	04/20/21			2.03			1000	Report to MDL	7
21D0303-01	210406.D12.135-1326 30-2 B	04/14/21	04/20/21	LG 4/13/21	#99	2.06	10.0		1000	Extract & Hold RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21D0304-01	210406.A142.135-1324	04/14/21	04/20/21			2.04			1000	Extract & Hold RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21D0304-02	210403.A144.135-1325	04/14/21	04/20/21			2.03			1000	Extract & Hold RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21D0305-01	210406.A40.135-1323	04/14/21	04/20/21			2.02			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5

Start Date/Time:
Stop Date/Time:
SPK Start Date/Time 4-9-21 14:20
WIT:
StopDate/Time 4/10/21 @09:05

Standard ID#	Description	Manufacture Lot#
2102077	Sodium Sulfate (Drum 45.5kg)	0000256524
2102213	Acetone	207047
2102277	Hexanes	61008
2103038	Filter Paper (VWR 121) 15.0cm	17184076
2103265	Sodium Sulfate (Baked)	Sodium Sulfate/2
2103299	Distilled Solvent - MeCl2	DCM/ACE
2103329	Methylene Chloride (200 L Drum)	EA414-US

Spikedby/Witnessed By Date

Extracted By Date

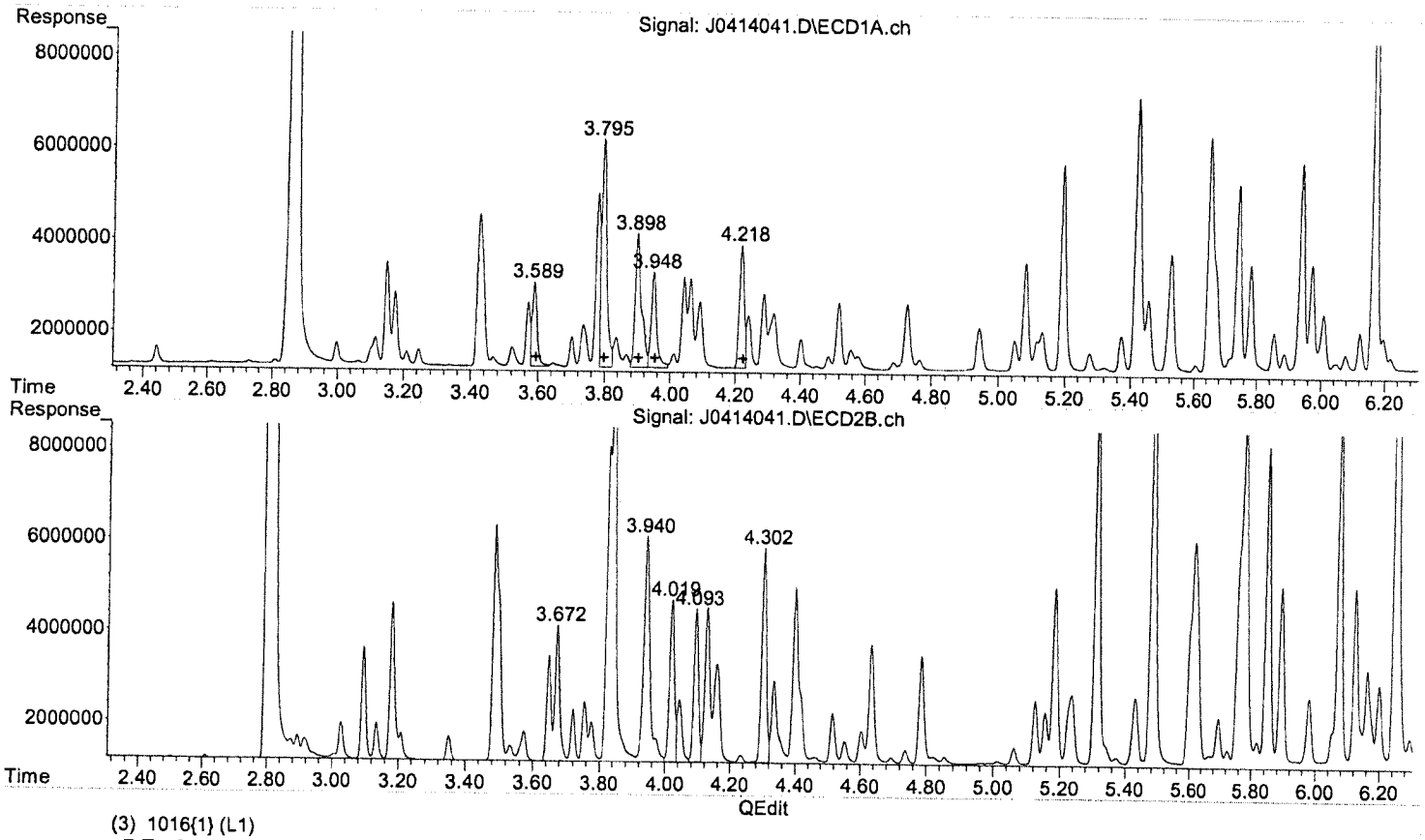
C:\ELMNT\Print\bch_DEF_EXT_TAT.rpt

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\041421\
Data File : J0414041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2021 9:16 pm
Operator : JMB
Sample : 1260/1016 100 Inst : ECD10
Misc : mix[s,11,17]
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 15 06:43:52 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-PCB-032421C.M
Quant Title : 60/16-032421, 54-032321, 48-032321, 42-032321, 32/68-032421, 21/62-032321 210010
QLast Update : Wed Mar 24 20:35:06 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1016{1} (L1)

R.T.	Response	Conc
3.59	19321417	112.15
3.80	56980332	109.30
3.90	39365810	109.66
3.95	24685488	110.08
4.22	28066242	107.15

(3) 1016{1} #2 (L1)

R.T.	Response	Conc
3.67	30556434	102.56
3.94	61952865	105.71
4.02	36384673	106.66
4.09	33729540	102.57
4.30	47560289	101.25

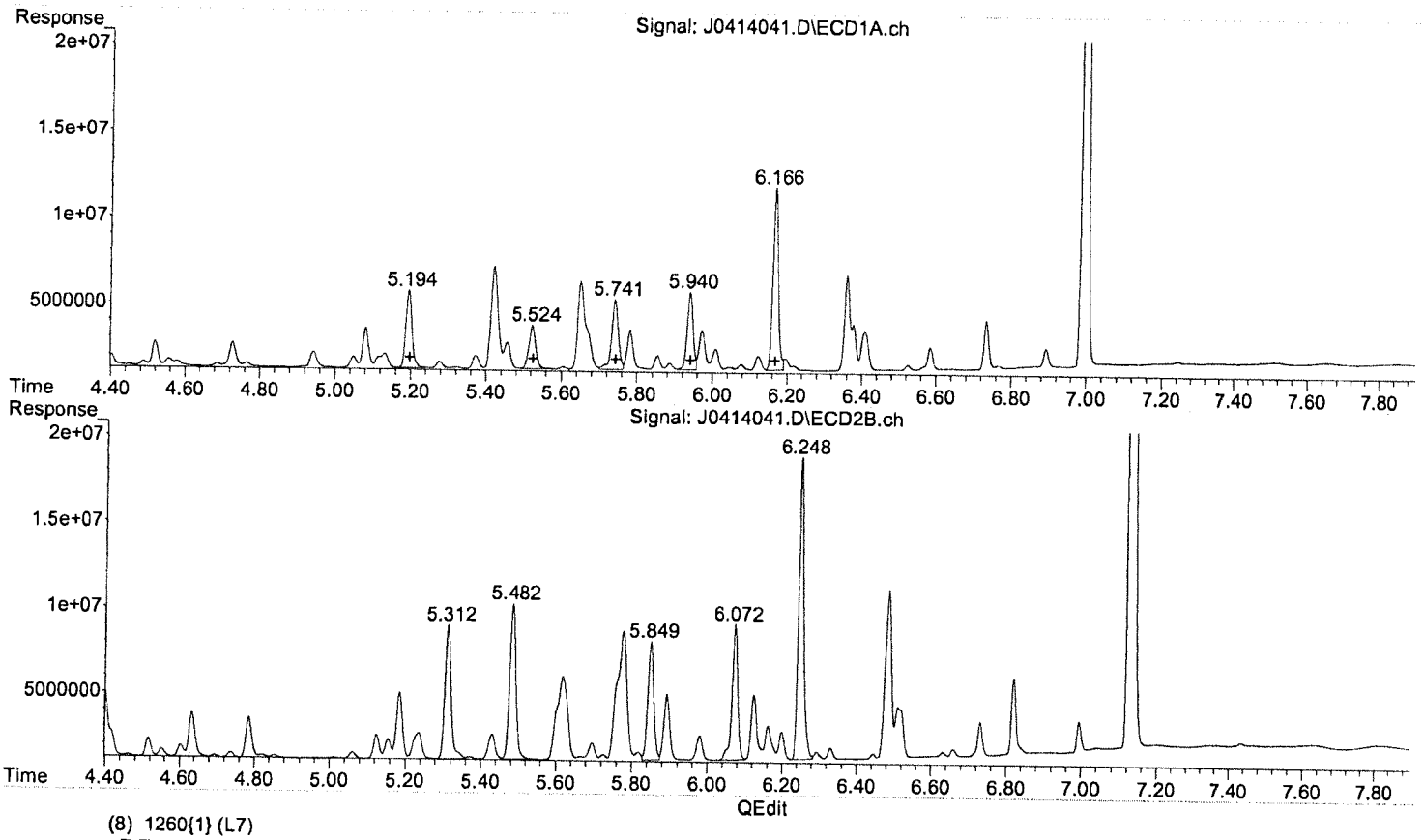
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\041421\
Data File : J0414041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2021 9:16 pm
Operator : JMB
Sample : 1260/1016 100 Inst : ECD10
Misc : mix[s,11,17]
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 15 06:43:52 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-PCB-032421C.M
Quant Title : 60/16-032421, 54-032321, 48-032321, 42-032321, 32/68-032421, 21/62-032321 210010
QLast Update : Wed Mar 24 20:35:06 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) 1260{1} (L7)

R.T.	Response	Conc
5.19	53556231	97.34
5.52	33374670	99.28
5.74	49821748	98.49
5.94	50555161	94.77
6.17	106389770	93.16

(8) 1260{1} #2 (L7)

R.T.	Response	Conc
5.31	88507259	89.60
5.48	103934705	88.97
5.85	75703593	86.53
6.07	83512515	83.14
6.25	172182700	83.58

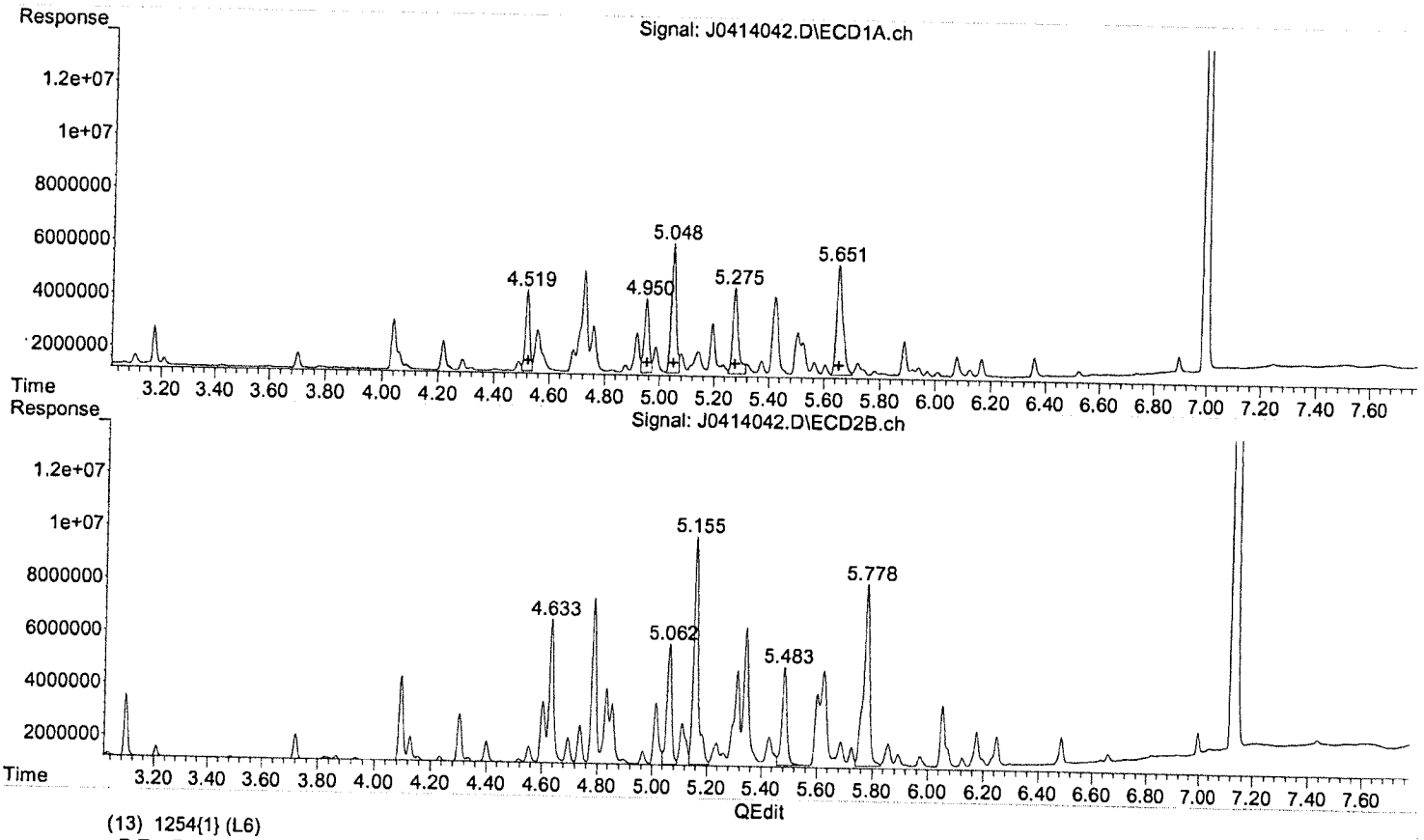
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\041421\
Data File : J0414042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2021 9:28 pm
Operator : JMB
Sample : 1254 100
Misc : mix[l6]
Inst : ECD10
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 15 06:43:55 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-PCB-032421C.M
Quant Title : 60/16-032421, 54-032321, 48-032321, 42-032321, 32/68-032421, 21/62-032321 210010
QLast Update : Wed Mar 24 20:35:06 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



(13) 1254{1} (L6)

R.T.	Response	Conc
4.52	34133800	108.01
4.95	35411069	107.28
5.05	58713262	105.67
5.28	45603109	110.84
5.65	64112293	102.43

(13) 1254{1} #2 (L6)

R.T.	Response	Conc
4.63	65545642	103.14
5.06	54011785	97.33
5.16	108846126	106.73
5.48	46856140	94.16
5.78	105903860	93.11

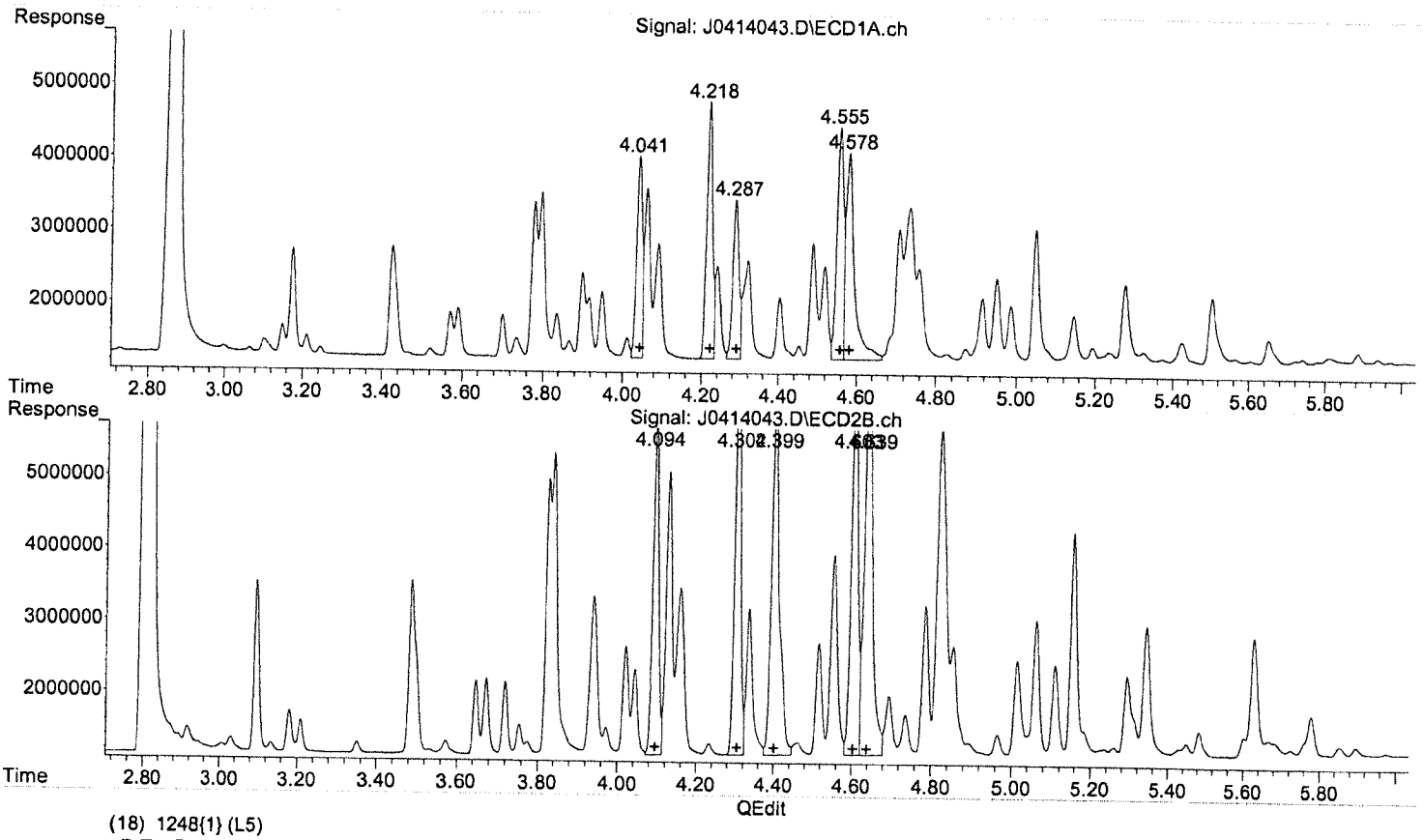
(+) = Expected Retention Time
10-PCB-032421C.M Thu Apr 15 06:53:47 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\041421\
Data File : J0414043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2021 9:40 pm
Operator : JMB
Sample : 1248 100 Inst : ECD10
Misc : mix[15]
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 15 06:43:58 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-PCB-032421C.M
Quant Title : 60/16-032421, 54-032321, 48-032321, 42-032321, 32/68-032421, 21/62-032321 210010
QLast Update : Wed Mar 24 20:35:06 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1248{1} (L5)

R.T.	Response	Conc
4.04	27403685	110.74
4.22	36611812	109.91
4.29	24018932	114.23
4.56	36894698	103.70
4.58	45151559	121.00

(18) 1248{1} #2 (L5)

R.T.	Response	Conc
4.09	46962603	104.62
4.30	61346172	104.58
4.40	69170647	107.29
4.60	64170279	100.13
4.64	81690904	104.25

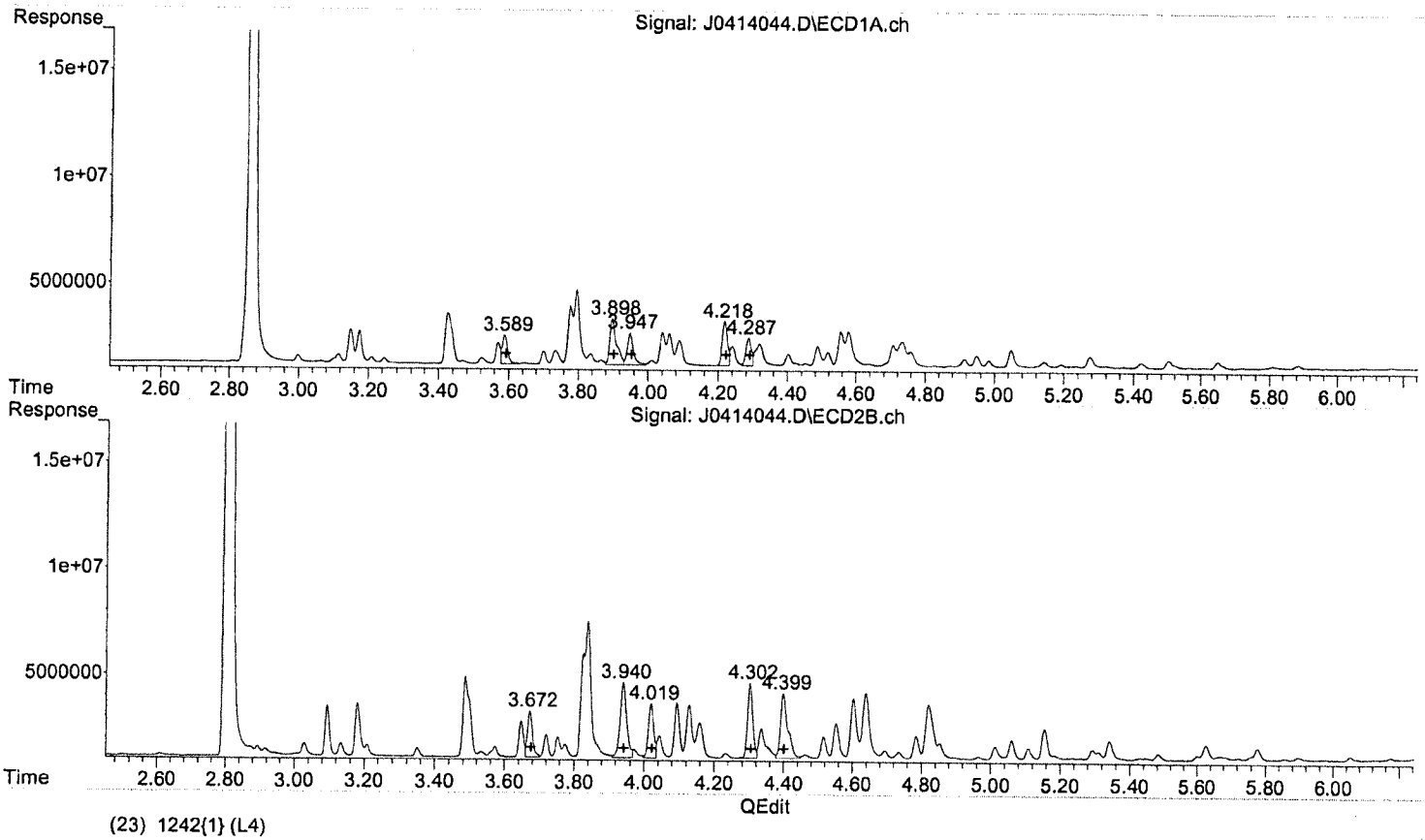
(+) = Expected Retention Time
10-PCB-032421C.M Thu Apr 15 06:54:17 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\041421\
Data File : J0414044.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2021 9:52 pm
Operator : JMB
Sample : 1242 100 Inst : ECD10
Misc : mix[14]
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 15 06:44:01 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-PCB-032421C.M
Quant Title : 60/16-032421, 54-032321, 48-032321, 42-032321, 32/68-032421, 21/62-032321 210010
QLast Update : Wed Mar 24 20:35:06 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1242{1} (L4)

R.T.	Response	Conc
3.59	14482008	111.91
3.90	29075149	107.23
3.95	18443982	109.56
4.22	21832873	106.52
4.29	13995851	109.62

(23) 1242{1} #2 (L4)

R.T.	Response	Conc
3.67	22385618	100.95
3.94	45264295	101.22
4.02	26174811	103.91
4.30	36858938	101.04
4.40	44853176	104.23

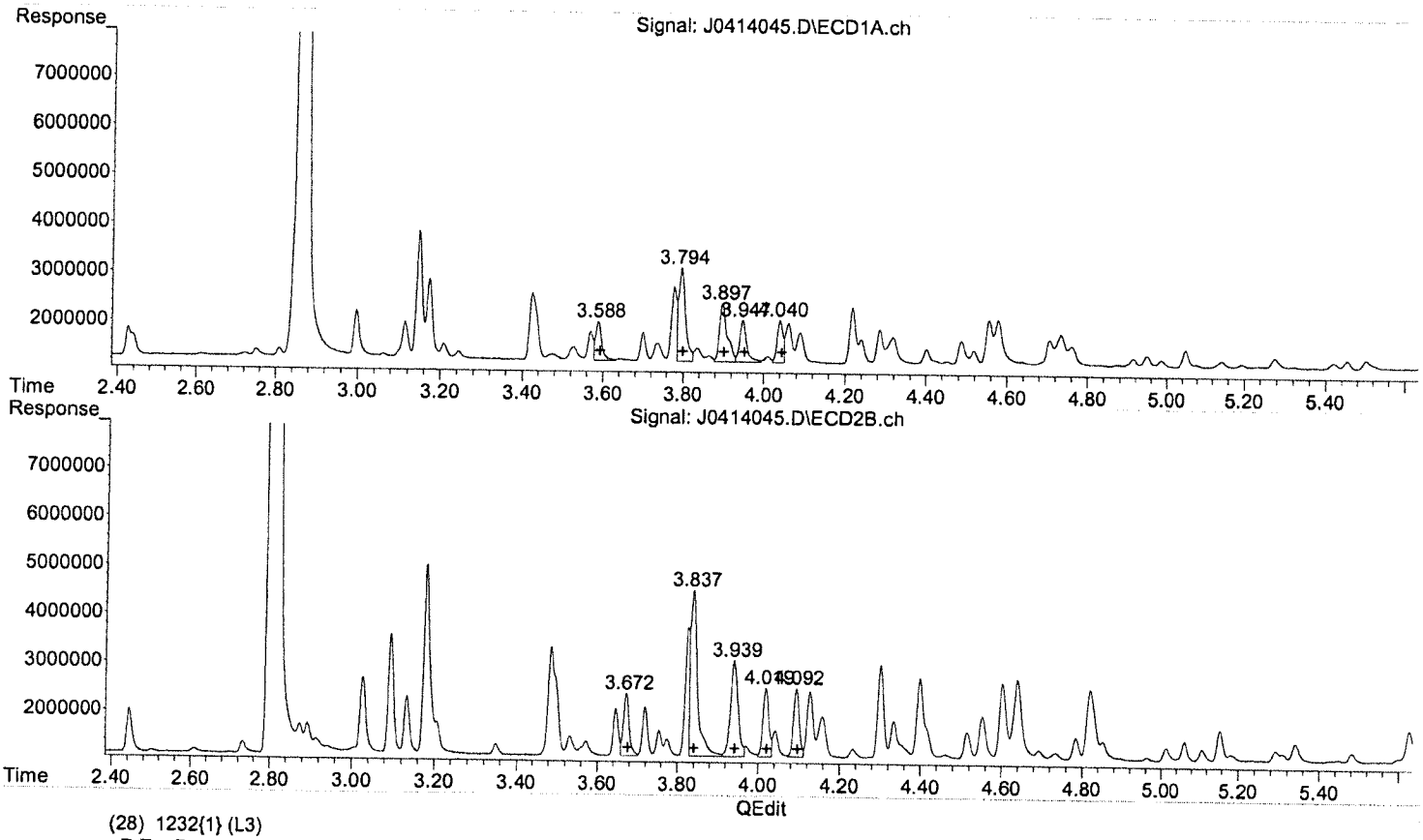
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\041421\
Data File : J0414045.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2021 10:05 pm
Operator : JMB
Sample : 1232/1268 100 Inst : ECD10
Misc : mix[13,19]
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 15 06:44:04 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-PCB-032421C.M
Quant Title : 60/16-032421, 54-032321, 48-032321, 42-032321, 32/68-032421, 21/62-032321 210010
QLast Update : Wed Mar 24 20:35:06 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) 1232{1} (L3)

R.T.	Response	Conc
3.59	8652295	116.70
3.79	22601588	113.55
3.90	16171697	113.97
3.95	10364886	111.55
4.04	8265179	117.65

(28) 1232{1} #2 (L3)

R.T.	Response	Conc
3.67	12751466	103.88
3.84	43608468	117.98
3.94	25128931	101.54
4.02	14465905	104.87
4.09	14082886	103.14

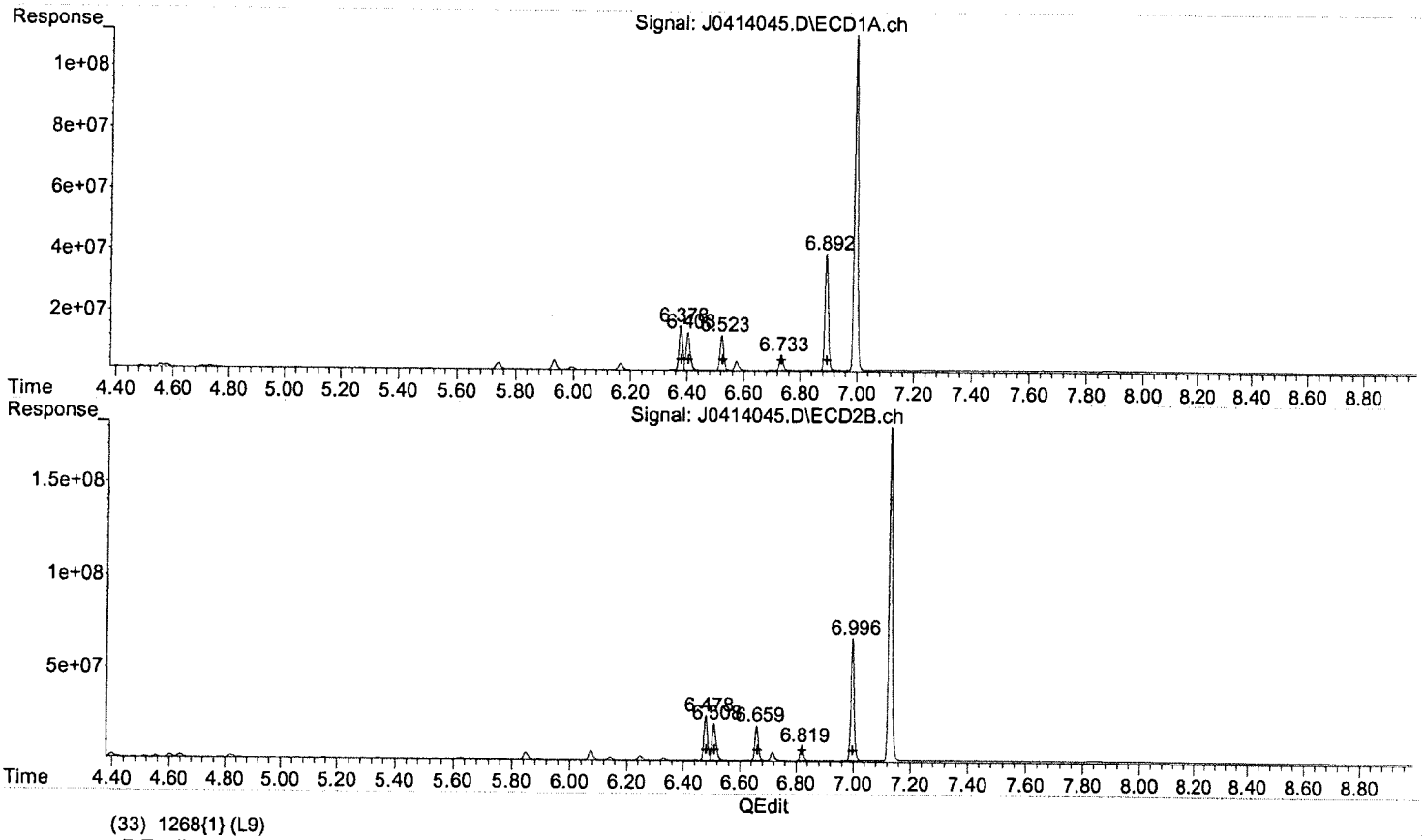
(+) = Expected Retention Time
10-PCB-032421C.M Thu Apr 15 06:55:02 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\041421\
Data File : J0414045.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2021 10:05 pm
Operator : JMB
Sample : 1232/1268 100 Inst : ECD10
Misc : mix[13,19]
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 15 06:44:04 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-PCB-032421C.M
Quant Title : 60/16-032421, 54-032321, 48-032321, 42-032321, 32/68-032421, 21/62-032321 210010
QLast Update : Wed Mar 24 20:35:06 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) 1268{1} (L9)

R.T.	Response	Conc
6.38	132388115	95.16
6.40	127173192	93.72
6.52	101421858	91.73
6.73	44256246	89.70
6.89	314792519	91.07

(33) 1268{1} #2 (L9)

R.T.	Response	Conc
6.48	209998723	88.42
6.51	199315371	84.54
6.66	158215603	82.61
6.82	66581048	77.20
7.00	512230714	84.92

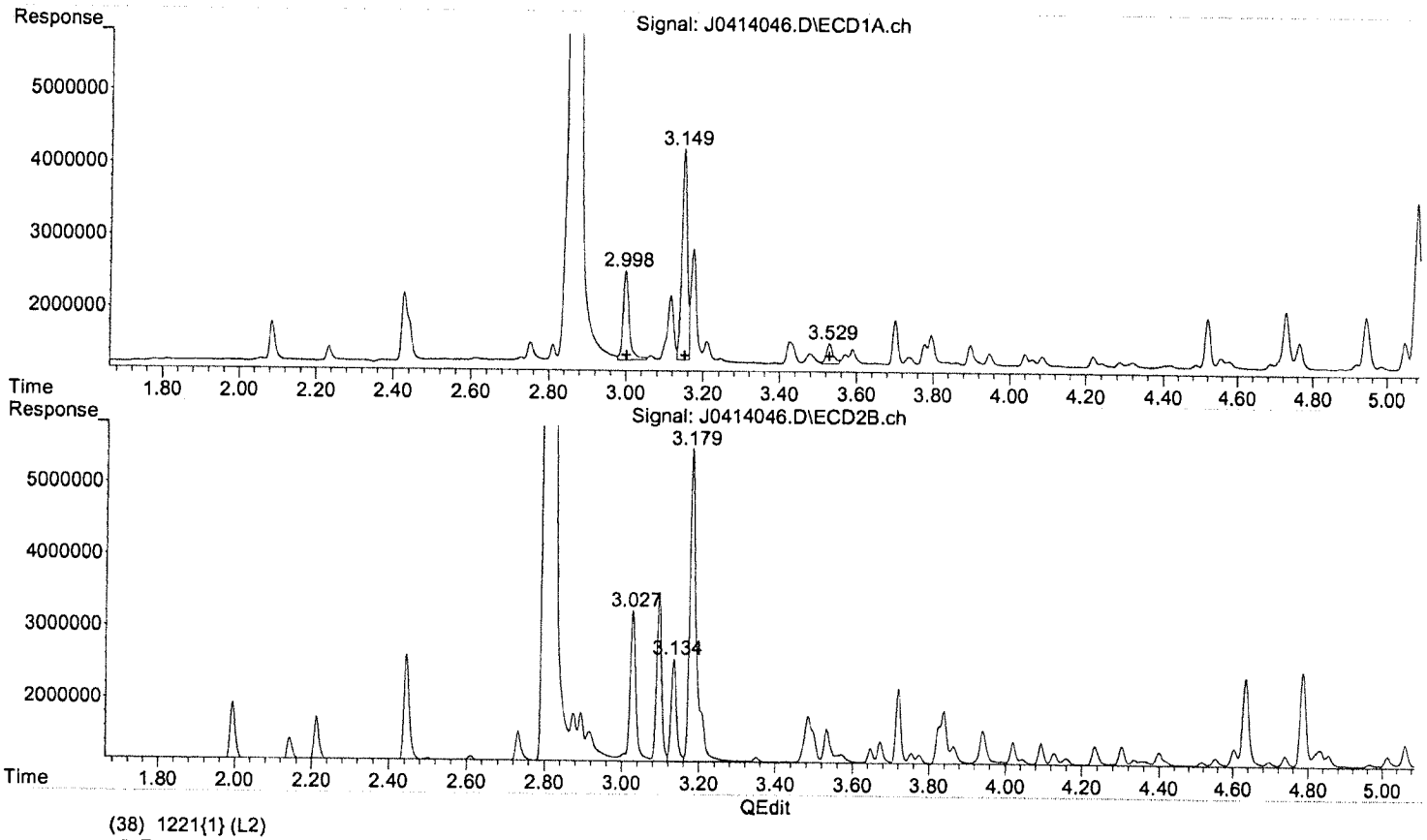
(+) = Expected Retention Time
10-PCB-032421C.M Thu Apr 15 06:55:10 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\041421\
Data File : J0414046.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2021 10:17 pm
Operator : JMB
Sample : 1221/1262 100 Inst : ECD10
Misc : mix[12,18]
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 15 06:44:07 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-PCB-032421C.M
Quant Title : 60/16-032421, 54-032321, 48-032321, 42-032321, 32/68-032421, 21/62-032321 210010
QLast Update : Wed Mar 24 20:35:06 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(38) 1221{1} (L2)

R.T.	Response	Conc
3.00	13583678	115.41
3.15	28199208	109.98
3.53	3432788	102.59

(38) 1221{1} #2 (L2)

R.T.	Response	Conc
3.03	23237875	118.49
3.13	13911025	110.99
3.18	53602683	104.58

(+) = Expected Retention Time
10-PCB-032421C.M Thu Apr 15 06:55:36 2021

Quantitation Report (Qedit)

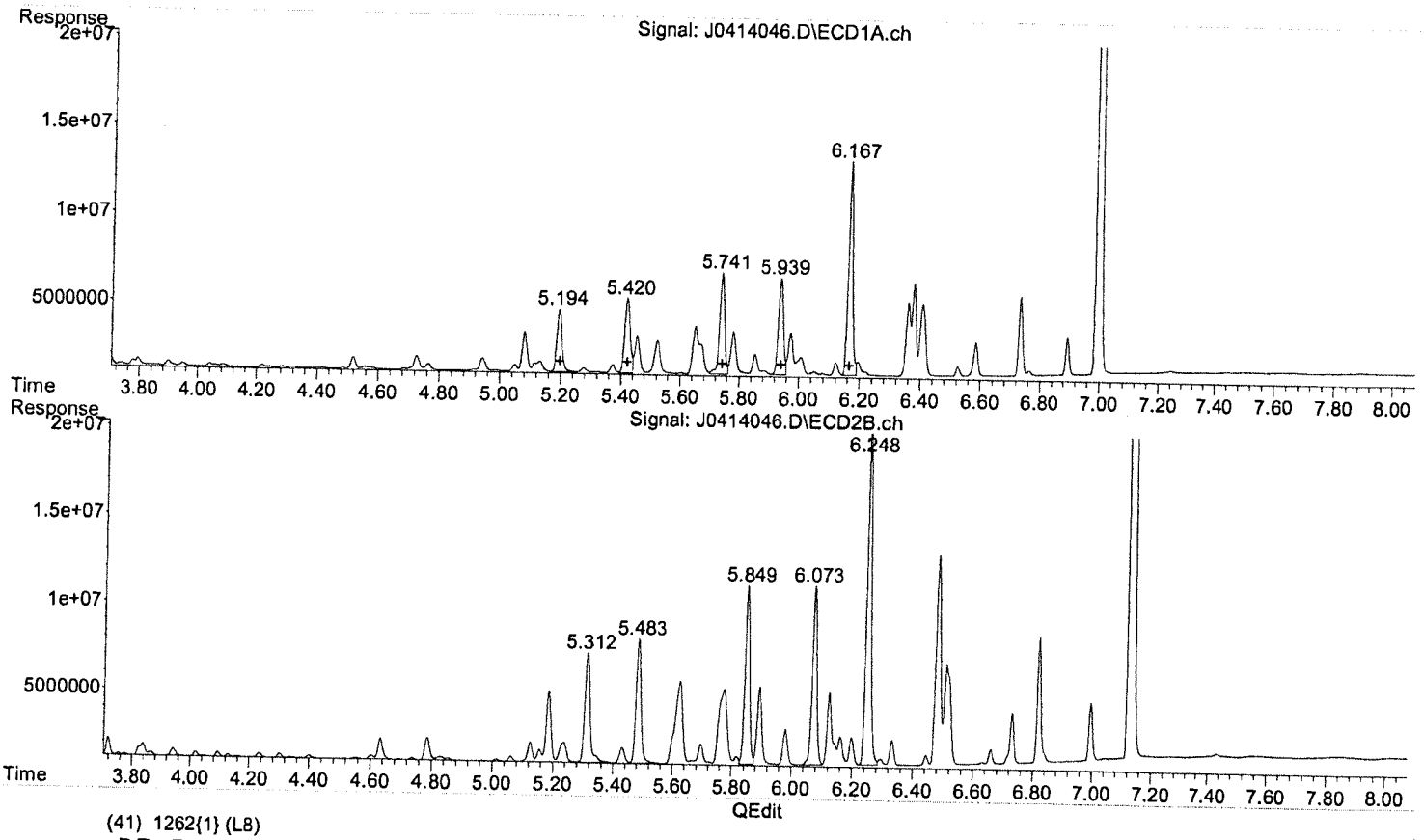
Data Path : C:\msdchem\1\data\041421\
Data File : J0414046.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2021 10:17 pm
Operator : JMB
Sample : 1221/1262 100
Misc : mix[12,18]
ALS Vial : 46 Sample Multiplier: 1

Inst : ECD10

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 15 06:44:07 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-PCB-032421C.M
Quant Title : 60/16-032421, 54-032321, 48-032321, 42-032321, 32/68-032421, 21/62-032321 210010
QLast Update : Wed Mar 24 20:35:06 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :

Signal #2 Phase:
Signal #2 Info :



(41) 1262{1} (L8)

R.T.	Response	Conc
5.19	43158220	102.04
5.42	55485706	98.53
5.74	69725372	100.18
5.94	62808334	99.30
6.17	124164964	97.55

(41) 1262{1} #2 (L8)

R.T.	Response	Conc
5.31	75167921	95.59
5.48	82781000	94.61
5.85	110374185	92.91
6.07	104395932	91.27
6.25	201848818	92.66

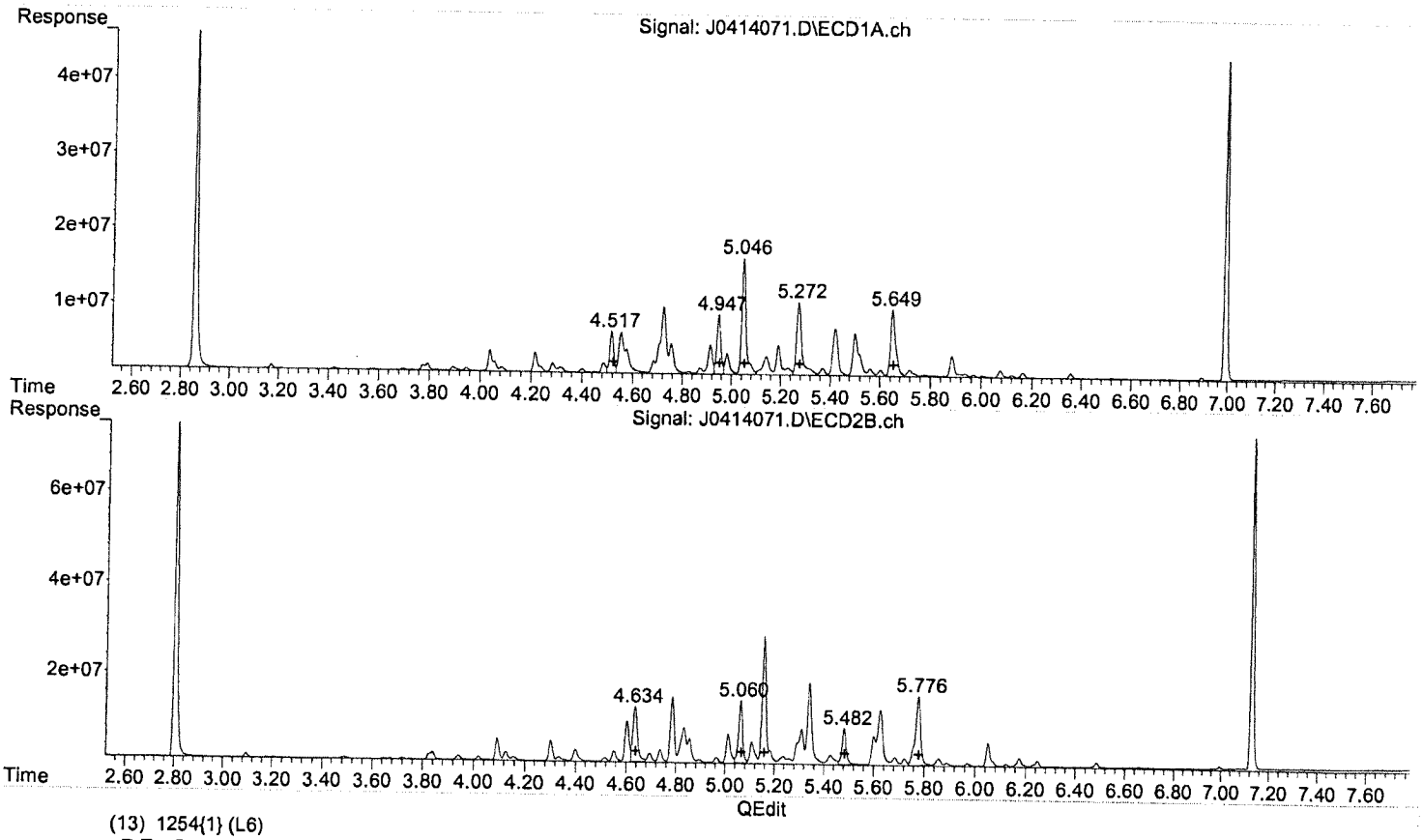
(+) = Expected Retention Time
10-PCB-032421C.M Thu Apr 15 06:55:45 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\041421\
Data File : J0414071.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Apr 2021 5:04 am
Operator : JMB
Sample : 21D0305-01@5X TBA Inst : ECD10
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 15 06:38:05 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-PCB-032421C.M
Quant Title : 60/16-032421, 54-032321, 48-032321, 42-032321, 32/68-032421, 21/62-032321 210010
QLast Update : Wed Mar 24 20:35:06 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) 1254{1} (L6)

R.T.	Response	Conc
4.52	61269750	193.88
4.95	96164082	291.32
5.05	197578506	355.61
5.27	149345732	362.99
5.65	131388247	209.91

(13) 1254{1} #2 (L6)

R.T.	Response	Conc
4.63	165426837	260.31
5.06	158635030	285.87
0.00	0	0.00
5.48	98891224	198.72
5.78	226615155	199.23

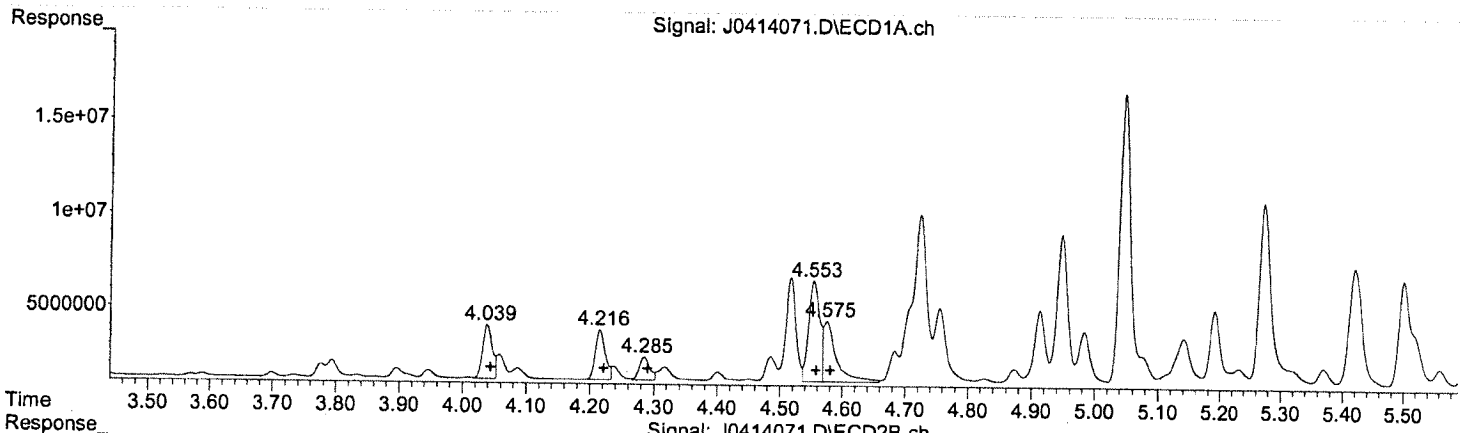
(+) = Expected Retention Time
10-PCB-032421C.M Thu Apr 15 06:38:37 2021

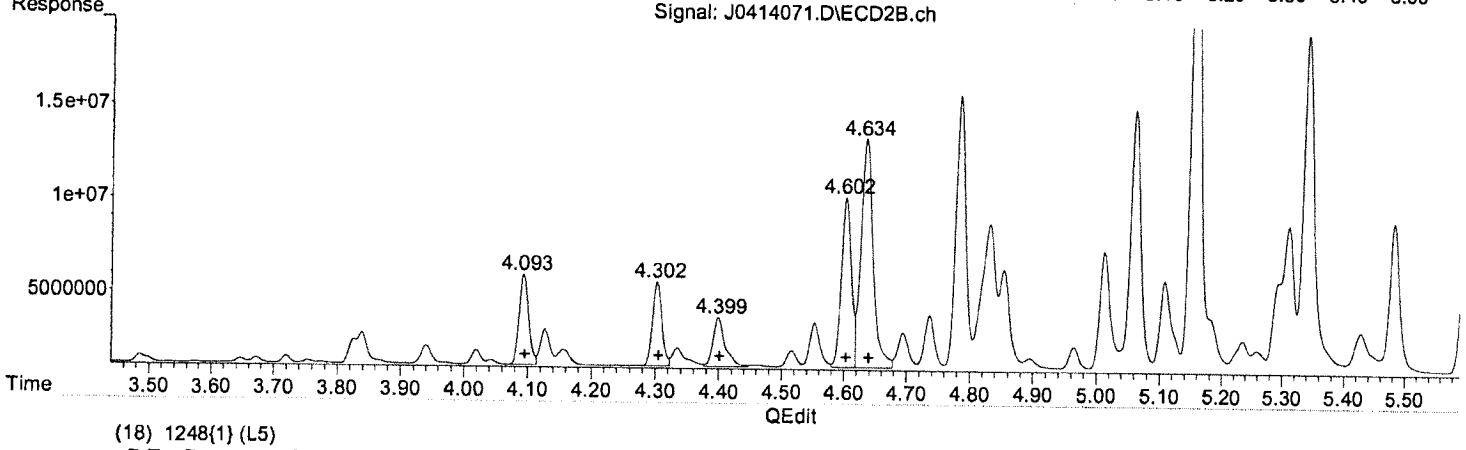
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\041421\
Data File : J0414071.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Apr 2021 5:04 am
Operator : JMB
Sample : 21D0305-01@5X TBA Inst : ECD10
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Apr 15 06:39:23 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-PCB-032421C.M
Quant Title : 60/16-032421, 54-032321, 48-032321, 42-032321, 32/68-032421, 21/62-032321 210010
QLast Update : Wed Mar 24 20:35:06 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(18) 1248{1} (L5)

R.T.	Response	Conc
4.04	29877994	120.74
4.22	28778474	86.39
4.28	13816852	65.71
4.55	67905442	190.86
4.58	47683439	127.79

(18) 1248{1} #2 (L5)

R.T.	Response	Conc
4.09	48899116	108.94
4.30	46767466	79.73
4.40	35328935	54.80
4.60	99668333	155.51
4.63	165426837	211.10

(+) = Expected Retention Time
10-PCB-032421C.M Thu Apr 15 06:39:57 2021

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July 15, 2021

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

Project Location: 52 Institute Rd, Burlington, VT
Client Job Number:
Project Number: 280BS01563 Task 13
Laboratory Work Order Number: 21G0246

Enclosed are results of analyses for samples received by the laboratory on July 7, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kaitlyn A. Feliciano
Project Manager

Table of Contents

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: Jesse Stratton

REPORT DATE: 7/15/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Task 13

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21G0246

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

PROJECT LOCATION: 52 Institute Rd, Burlington, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
210702.A160.136-1326	21G0246-01	Product/Solid		SW-846 8082A	
210702.A160.136-1327	21G0246-02	Product/Solid		SW-846 8082A	
210702.A160.136-1328	21G0246-03	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.

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: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21G0246

Date Received: 7/7/2021

Field Sample #: 210702.A160.136-1326 Sampled: 7/2/2021 12:36

Sample ID: 21G0246-01

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	0.47	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:17	SFM
Aroclor-1221 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:17	SFM
Aroclor-1232 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:17	SFM
Aroclor-1242 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:17	SFM
Aroclor-1248 [1]	0.63	0.47	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:17	SFM
Aroclor-1254 [2]	0.99	0.47	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:17	SFM
Aroclor-1260 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:17	SFM
Aroclor-1262 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:17	SFM
Aroclor-1268 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:17	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.1	30-150		7/14/21 15:17
Decachlorobiphenyl [2]	88.4	30-150		7/14/21 15:17
Tetrachloro-m-xylene [1]	87.2	30-150		7/14/21 15:17
Tetrachloro-m-xylene [2]	86.5	30-150		7/14/21 15:17

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Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21G0246

Date Received: 7/7/2021

Field Sample #: 210702.A160.136-1327 Sampled: 7/2/2021 12:42

Sample ID: 21G0246-02

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	0.50	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:35	SFM
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:35	SFM
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:35	SFM
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:35	SFM
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:35	SFM
Aroclor-1254 [1]	0.94	0.50	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:35	SFM
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:35	SFM
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:35	SFM
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:35	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.2	30-150		7/14/21 15:35
Decachlorobiphenyl [2]	88.7	30-150		7/14/21 15:35
Tetrachloro-m-xylene [1]	89.6	30-150		7/14/21 15:35
Tetrachloro-m-xylene [2]	91.4	30-150		7/14/21 15:35

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

Project Location: 52 Institute Rd, Burlington, VT Sample Description: Work Order: 21G0246

Date Received: 7/7/2021

Field Sample #: 210702.A160.136-1328 Sampled: 7/2/2021 13:18

Sample ID: 21G0246-03

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	0.46	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:53	SFM
Aroclor-1221 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:53	SFM
Aroclor-1232 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:53	SFM
Aroclor-1242 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:53	SFM
Aroclor-1248 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:53	SFM
Aroclor-1254 [2]	6.3	0.46	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:53	SFM
Aroclor-1260 [1]	0.58	0.46	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:53	SFM
Aroclor-1262 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:53	SFM
Aroclor-1268 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	7/8/21	7/14/21 15:53	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.2	30-150		7/14/21 15:53
Decachlorobiphenyl [2]	92.6	30-150		7/14/21 15:53
Tetrachloro-m-xylene [1]	91.5	30-150		7/14/21 15:53
Tetrachloro-m-xylene [2]	93.1	30-150		7/14/21 15:53

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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
21G0246-01 [210702.A160.136-1326]	B285515	2.14	10.0	07/08/21
21G0246-02 [210702.A160.136-1327]	B285515	2.00	10.0	07/08/21
21G0246-03 [210702.A160.136-1328]	B285515	2.16	10.0	07/08/21

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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 B285515 - SW-846 3540C										
Blank (B285515-BLK1)				Prepared: 07/08/21 Analyzed: 07/14/21						
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	*0.959*		mg/Kg	1.00		95.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.898*		mg/Kg	1.00		89.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.877*		mg/Kg	1.00		87.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.857*		mg/Kg	1.00		85.7	30-150			
LCS (B285515-BS1)				Prepared: 07/08/21 Analyzed: 07/14/21						
Aroclor-1016	0.88	0.10	mg/Kg	1.00		88.0	40-140			
Aroclor-1016 [2C]	0.87	0.10	mg/Kg	1.00		86.7	40-140			
Aroclor-1260	0.90	0.10	mg/Kg	1.00		89.6	40-140			
Aroclor-1260 [2C]	0.79	0.10	mg/Kg	1.00		79.5	40-140			
Surrogate: Decachlorobiphenyl	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.942*		mg/Kg	1.00		94.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.882*		mg/Kg	1.00		88.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.860*		mg/Kg	1.00		86.0	30-150			
LCS Dup (B285515-BSD1)				Prepared: 07/08/21 Analyzed: 07/14/21						
Aroclor-1016	0.89	0.10	mg/Kg	1.00		88.7	40-140	0.779	30	
Aroclor-1016 [2C]	0.88	0.10	mg/Kg	1.00		87.7	40-140	1.15	30	
Aroclor-1260	0.87	0.10	mg/Kg	1.00		87.2	40-140	2.73	30	
Aroclor-1260 [2C]	0.77	0.10	mg/Kg	1.00		76.9	40-140	3.27	30	
Surrogate: Decachlorobiphenyl	*0.968*		mg/Kg	1.00		96.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.904*		mg/Kg	1.00		90.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.918*		mg/Kg	1.00		91.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.894*		mg/Kg	1.00		89.4	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210702.A160.136-1326

Lab Sample ID: 21G0246-01 Date(s) Analyzed: 07/14/2021 07/14/2021

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-1248	1	0.000	0.000	0.000	0.63	
	2	0.000	0.000	0.000	0.60	4.9
Aroclor-1254	1	0.000	0.000	0.000	0.93	
	2	0.000	0.000	0.000	0.99	6.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210702.A160.136-1327

Lab Sample ID: 21G0246-02

Date(s) Analyzed: 07/14/2021 07/14/2021

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-1254	1	0.000	0.000	0.000	0.94	
	2	0.000	0.000	0.000	0.71	27.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210702.A160.136-1328

Lab Sample ID: 21G0246-03 Date(s) Analyzed: 07/14/2021 07/14/2021

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-1254	1	0.000	0.000	0.000	6.1	
	2	0.000	0.000	0.000	6.3	3.2
Aroclor-1260	1	0.000	0.000	0.000	0.58	
	2	0.000	0.000	0.000	0.51	12.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B285515-BS1 Date(s) Analyzed: 07/14/2021 07/14/2021

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	0.88	
	2	0.000	0.000	0.000	0.87	1.1
Aroclor-1260	1	0.000	0.000	0.000	0.90	
	2	0.000	0.000	0.000	0.79	13.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B285515-BSD1 Date(s) Analyzed: 07/14/2021 07/14/2021

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	0.89	
	2	0.000	0.000	0.000	0.88	1.1
Aroclor-1260	1	0.000	0.000	0.000	0.87	
	2	0.000	0.000	0.000	0.77	12.2

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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 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	03/1/2022
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	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
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	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

con-test ANALYTICAL LABORATORY

21602446

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

Page 1 of 1

Company Name:
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980

Project Name:
Project Location: 52 Institue Road, Burlington, Vermont
Project Number: 280BS01563
Project Manager: Andra Liberty
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: N. Amato, J. Adams, K. Paritz

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

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, karl.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	EPA Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082										[2] Preservation Code
																							I
1	210702.A160.136-1326	7/2/2021	12:36	Grab	O	U		1				✓	✓										
2	210702.A160.136-1327	7/2/2021	12:42	Grab	O	U		1				✓	✓										
3	210702.A160.136-1328	7/2/2021	13:18	Grab	O	U		1				✓	✓										
				Grab	O	U		1				✓	✓										
				Grab	O	U		1				✓	✓										
				Grab	O	U		1				✓	✓										
				Grab	O	U		1				✓	✓										
				Grab	O	U		1				✓	✓										
				Grab	O	U		1				✓	✓										
				Grab	O	U		1				✓	✓										

Courier Use Only
Total Number Of:
VIALS
GLASS 3
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)

Relinquished by: (signature)	Date/Time: 7.2.21	Client Comments:
Received by: (signature)	Date/Time: 7.6.21	
Relinquished by: (signature)	Date/Time: 7-7-21	
Received by: (signature)	Date/Time: 0950 7-8-21	
Relinquished by: (signature)	Date/Time: 1700 7/8/2021	
Received by: (signature)	Date/Time: 22 7/12/21 1000	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements
MA 9.50 gm
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab 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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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 7/7/21 Time 1200

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 - 2.2 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

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T Who was notified? _____

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	3
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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July 29, 2021

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

Project Location: 52 Institute Rd., Burlington, VT (Bldg A)
Client Job Number:
Project Number: 280BS01563 Task 7
Laboratory Work Order Number: 21G0821

Enclosed are results of analyses for samples received by the laboratory on July 15, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kaitlyn A. Feliciano
Project Manager

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

REPORT DATE: 7/29/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Task 7

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21G0821

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

PROJECT LOCATION: 52 Institute Rd., Burlington, VT (Bldg A)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
210702.A2050.137-1330	21G0821-01	Product/Solid		SW-846 8082A	
210702.A2050.137-1331	21G0821-02	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:

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
21G0821-02[210702.A2050.137-1331]

Decachlorobiphenyl [2C]
21G0821-02[210702.A2050.137-1331]

Tetrachloro-m-xylene
21G0821-02[210702.A2050.137-1331]

Tetrachloro-m-xylene [2C]
21G0821-02[210702.A2050.137-1331]

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: 52 Institute Rd., Burlington, VT (Sample Description: Work Order: 21G0821

Date Received: 7/15/2021

Field Sample #: 210702.A2050.137-1330 Sampled: 7/2/2021 11:45

Sample ID: 21G0821-01

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	0.22	mg/Kg	1		SW-846 8082A	7/16/21	7/29/21 2:53	TG
Aroclor-1221 [1]	ND	0.22	mg/Kg	1		SW-846 8082A	7/16/21	7/29/21 2:53	TG
Aroclor-1232 [1]	ND	0.22	mg/Kg	1		SW-846 8082A	7/16/21	7/29/21 2:53	TG
Aroclor-1242 [1]	ND	0.22	mg/Kg	1		SW-846 8082A	7/16/21	7/29/21 2:53	TG
Aroclor-1248 [1]	ND	0.22	mg/Kg	1		SW-846 8082A	7/16/21	7/29/21 2:53	TG
Aroclor-1254 [1]	1.1	0.22	mg/Kg	1		SW-846 8082A	7/16/21	7/29/21 2:53	TG
Aroclor-1260 [1]	ND	0.22	mg/Kg	1		SW-846 8082A	7/16/21	7/29/21 2:53	TG
Aroclor-1262 [1]	ND	0.22	mg/Kg	1		SW-846 8082A	7/16/21	7/29/21 2:53	TG
Aroclor-1268 [1]	ND	0.22	mg/Kg	1		SW-846 8082A	7/16/21	7/29/21 2:53	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.9	30-150		7/29/21 2:53
Decachlorobiphenyl [2]	86.8	30-150		7/29/21 2:53
Tetrachloro-m-xylene [1]	92.3	30-150		7/29/21 2:53
Tetrachloro-m-xylene [2]	95.7	30-150		7/29/21 2:53

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Project Location: 52 Institute Rd., Burlington, VT (Sample Description: Work Order: 21G0821

Date Received: 7/15/2021

Field Sample #: 210702.A2050.137-1331 Sampled: 2/24/2021 09:51

Sample ID: 21G0821-02

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	2.9	mg/Kg	50		SW-846 8082A	7/16/21	7/29/21 3:11	TG
Aroclor-1221 [1]	ND	2.9	mg/Kg	50		SW-846 8082A	7/16/21	7/29/21 3:11	TG
Aroclor-1232 [1]	ND	2.9	mg/Kg	50		SW-846 8082A	7/16/21	7/29/21 3:11	TG
Aroclor-1242 [1]	ND	2.9	mg/Kg	50		SW-846 8082A	7/16/21	7/29/21 3:11	TG
Aroclor-1248 [1]	ND	2.9	mg/Kg	50		SW-846 8082A	7/16/21	7/29/21 3:11	TG
Aroclor-1254 [1]	18	2.9	mg/Kg	50		SW-846 8082A	7/16/21	7/29/21 3:11	TG
Aroclor-1260 [1]	ND	2.9	mg/Kg	50		SW-846 8082A	7/16/21	7/29/21 3:11	TG
Aroclor-1262 [1]	ND	2.9	mg/Kg	50		SW-846 8082A	7/16/21	7/29/21 3:11	TG
Aroclor-1268 [1]	ND	2.9	mg/Kg	50		SW-846 8082A	7/16/21	7/29/21 3:11	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	7/29/21 3:11
Decachlorobiphenyl [2]	*	30-150	S-01	7/29/21 3:11
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/29/21 3:11
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/29/21 3:11

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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
21G0821-01 [210702.A2050.137-1330]	B286167	0.0900	1.00	07/16/21
21G0821-02 [210702.A2050.137-1331]	B286167	1.72	5.00	07/16/21

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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 B286167 - SW-846 3540C										
Blank (B286167-BLK1)				Prepared: 07/16/21 Analyzed: 07/28/21						
Aroclor-1016	ND	0.097	mg/Kg							
Aroclor-1016 [2C]	ND	0.097	mg/Kg							
Aroclor-1221	ND	0.097	mg/Kg							
Aroclor-1221 [2C]	ND	0.097	mg/Kg							
Aroclor-1232	ND	0.097	mg/Kg							
Aroclor-1232 [2C]	ND	0.097	mg/Kg							
Aroclor-1242	ND	0.097	mg/Kg							
Aroclor-1242 [2C]	ND	0.097	mg/Kg							
Aroclor-1248	ND	0.097	mg/Kg							
Aroclor-1248 [2C]	ND	0.097	mg/Kg							
Aroclor-1254	ND	0.097	mg/Kg							
Aroclor-1254 [2C]	ND	0.097	mg/Kg							
Aroclor-1260	ND	0.097	mg/Kg							
Aroclor-1260 [2C]	ND	0.097	mg/Kg							
Aroclor-1262	ND	0.097	mg/Kg							
Aroclor-1262 [2C]	ND	0.097	mg/Kg							
Aroclor-1268	ND	0.097	mg/Kg							
Aroclor-1268 [2C]	ND	0.097	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.858*		mg/Kg	0.971		88.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.832*		mg/Kg	0.971		85.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.815*		mg/Kg	0.971		83.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.839*		mg/Kg	0.971		86.4	30-150			
LCS (B286167-BS1)				Prepared: 07/16/21 Analyzed: 07/28/21						
Aroclor-1016	0.84	0.098	mg/Kg	0.976		85.6	40-140			
Aroclor-1016 [2C]	0.82	0.098	mg/Kg	0.976		84.2	40-140			
Aroclor-1260	0.72	0.098	mg/Kg	0.976		73.3	40-140			
Aroclor-1260 [2C]	0.71	0.098	mg/Kg	0.976		72.3	40-140			
Surrogate: Decachlorobiphenyl	*0.819*		mg/Kg	0.976		84.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.793*		mg/Kg	0.976		81.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.818*		mg/Kg	0.976		83.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.843*		mg/Kg	0.976		86.4	30-150			
LCS Dup (B286167-BSD1)				Prepared: 07/16/21 Analyzed: 07/28/21						
Aroclor-1016	0.81	0.099	mg/Kg	0.990		81.5	40-140	3.54	30	
Aroclor-1016 [2C]	0.78	0.099	mg/Kg	0.990		78.9	40-140	5.06	30	
Aroclor-1260	0.65	0.099	mg/Kg	0.990		66.0	40-140	9.08	30	
Aroclor-1260 [2C]	0.65	0.099	mg/Kg	0.990		66.0	40-140	7.60	30	
Surrogate: Decachlorobiphenyl	*0.736*		mg/Kg	0.990		74.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.715*		mg/Kg	0.990		72.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.780*		mg/Kg	0.990		78.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.799*		mg/Kg	0.990		80.7	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210702.A2050.137-1330

Lab Sample ID: 21G0821-01

Date(s) Analyzed: 07/29/2021 07/29/2021

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-1254	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.0	9.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210702.A2050.137-1331

Lab Sample ID: 21G0821-02

Date(s) Analyzed: 07/29/2021 07/29/2021

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-1254	1	0.000	0.000	0.000	18	
	2	0.000	0.000	0.000	17	5.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B286167-BS1 Date(s) Analyzed: 07/28/2021 07/28/2021

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	0.84	
	2	0.000	0.000	0.000	0.82	2.4
Aroclor-1260	1	0.000	0.000	0.000	0.72	
	2	0.000	0.000	0.000	0.71	1.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B286167-BSD1 Date(s) Analyzed: 07/28/2021 07/28/2021

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	0.81	
	2	0.000	0.000	0.000	0.78	3.8
Aroclor-1260	1	0.000	0.000	0.000	0.65	
	2	0.000	0.000	0.000	0.65	0.0

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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.
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.

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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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
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	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
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	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

21G0821

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Email: info@contestlabs.com
http://www.contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 2_06262019

CHAIN OF CUSTODY RECORD

Page 1 of 1

Company Name: [redacted]
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980
Project Name: [redacted]
Project Location: 52 Institue Road, Burlington, Vermont
Project Number: 280BS01563
Project Manager: Andra Liberty
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: J. Adams, K. Paritz

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

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	EPA Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
1	210702.A2050.137-1330	7/2/21	11:45	Grab	O	U		1				✓	✓
2	210702.A2050.137.1331	7/2/21	09:51	Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓

Signature	Date/Time
Relinquished by: (signature) [signature]	7/14/21 /1345
Received by: (signature) [signature]	7/14/21 1345
Relinquished by: (signature) [signature]	7/15 1625
Received by: (signature) [signature] 2.0	7/15/21 1625
Relinquished by: (signature)	
Received by: (signature)	
Relinquished by: (signature)	
Received by: (signature)	

Client Comments:

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS ___
GLASS 2
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)

Lab 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 7/15/21 Time 1625

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 # 5 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	2
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:

PREPARATION BENCH SHEET

Printed: 7/16/2021 12:33:12PM

Analysis
8082 Soxhlet

B286167

t, a Pace Analytical Laboratory

7/1/21

pared using: SW-846 3540C

Surrogate Solution
2107069 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

TG 7/29/21

(* change for 21G0816-02)

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B286167-BLK1	Blank			AAM 7/22/21		~~10.0~~ 2.06 G	G G 10		1000		
B286167-BS1	LCS					~~10.0~~ 2.05 G	G G	1000	1000		
B286167-BSD1	LCS Dup					~~10.0~~ 2.02 G	G G	1000	1000		
B286167-MS1	Matrix Spike [21G0816-01] *			AAM 7/22/21		2.03		1000	1000		
B286167-MSD1	Matrix Spike Dup [21G0816-01] *					2.09		1000	1000		
21G0816-01	210712.E2050.138-1342 3A	07/29/21	07/26/21			2.01			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0816-02	210712.E2050.138-1343	07/29/21	07/26/21			2.02			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0816-03	210702.E2051.138-1344	07/29/21	07/16/21			0.20	1.0		~~1000~~ 160	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0816-04	210702.E2051.138-1345	07/29/21	07/16/21			0.46	2.0		~~1000~~ 200	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0817-01	210712.F2050.138-1346	07/29/21	07/26/21			2.07	10		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0817-02	210712.F2050.138-1347	07/29/21	07/26/21			2.09			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0818-01	210223.D2050.137-1340	07/29/21	03/09/21			2.03			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0818-02	210223.D2050.137-1341	07/29/21	03/09/21			1.26	5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0819-01	210702.C2050.137-1336	07/29/21	07/16/21	AAM 7/22/21		1.67	~~T~~ 5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10

Page 17 of 27

(*) GG KMC (Wit) 7/16/2021
Spiked by/Witnessed By Date

GGG 07/16/2021
Extracted By Date

Loaded 071821 #4 TG
Prepped 071821 TR

ELMNT\Print\bch_DEF_EXT_TAT.rpt

Table of Contents

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B286167

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 7/16/2021 12:33:12PM

Surrogate Solution
2107069 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
21G0819-02	210702.C2050.137-1337	07/29/21	07/16/21	AAM 7/22/21		1.35	~~1.0~~ 5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0819-03	210702.C2051.137-1338	07/29/21	07/16/21			0.50	2.0		~~1000~~ 200	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0819-04	210702.C2051.137-1339	07/29/21	07/16/21			1.00	5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-01	210702.B2050.137-1332	07/29/21	07/16/21			0.45	2.0		~~1000~~ 200	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-02	210702.B2050.137-1333	07/29/21	07/16/21			2.02	10		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-03	210702.B2051.137-1334	07/29/21	07/16/21			2.03	"		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-04	210702.B2051.137-1335	07/29/21	07/16/21			2.02	"		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0821-01	210702.A2050.137-1330	07/29/21	07/16/21			0.09	1.0		~~1000~~ 100	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0821-02	210702.A2050.137-1331	07/29/21	03/10/21			1.72	5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10

kedby/Witnessed By Date

Extracted By Date

LMNT\Print\bch_DEF_EXT_TAT.rpt

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B286167

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 7/16/2021 12:33:12PM

Surrogate Solution
2107069 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Start Date/Time:
Stop Date/Time:
SPK: OAH
Start Date/Time 07/16/21 @ 16:12
WIT: PTK
StopDate/Time 7/17/21 ~~17~~ 12:10

Standard ID#	Description	Manufacture Lot#
2105200	Hexanes 95%	207414
2106532	Sodium Sulfate (Drum 45.5kg)	0000282237
2106615	Acetone	210382
2107002	Distilled Solvent Hexanes:Acetone	2:1 Hexanes:Ace
2107003	Distilled Solvent - MeCl2	DCM/ACE
2107023	Filter Paper (Fisher) 15.0cm	17275732

kedby/Witnessed By Date

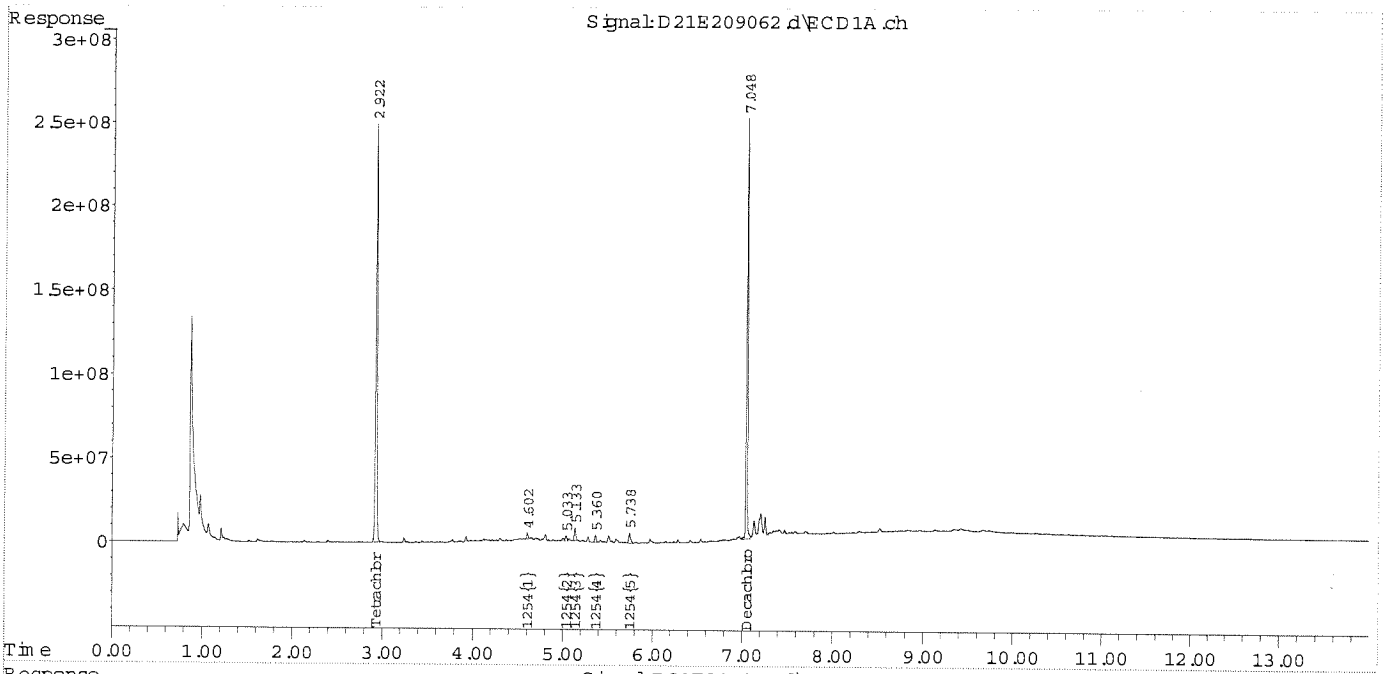
Extracted By Date

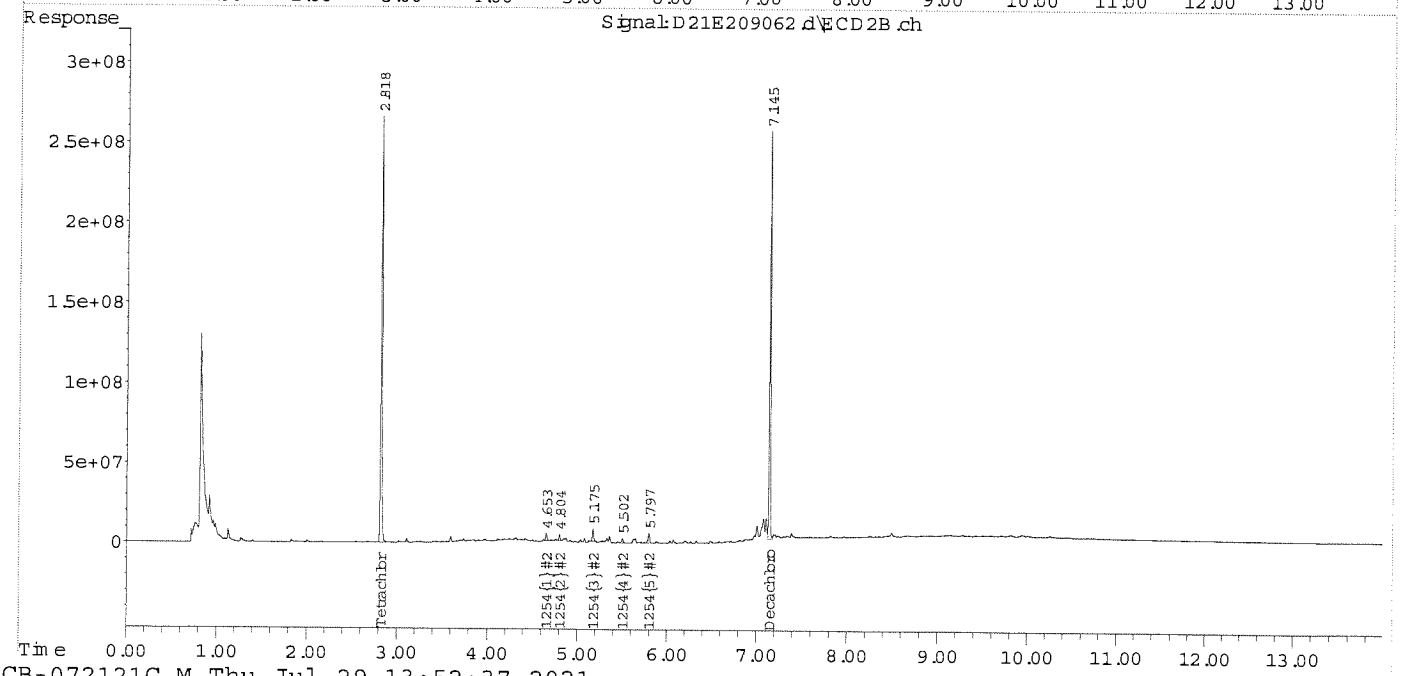
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209062.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2021 2:53 am
Operator : JMB
Sample : 21G0821-01@TBA Inst : ECD 4
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 13:02:31 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCBLONG.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



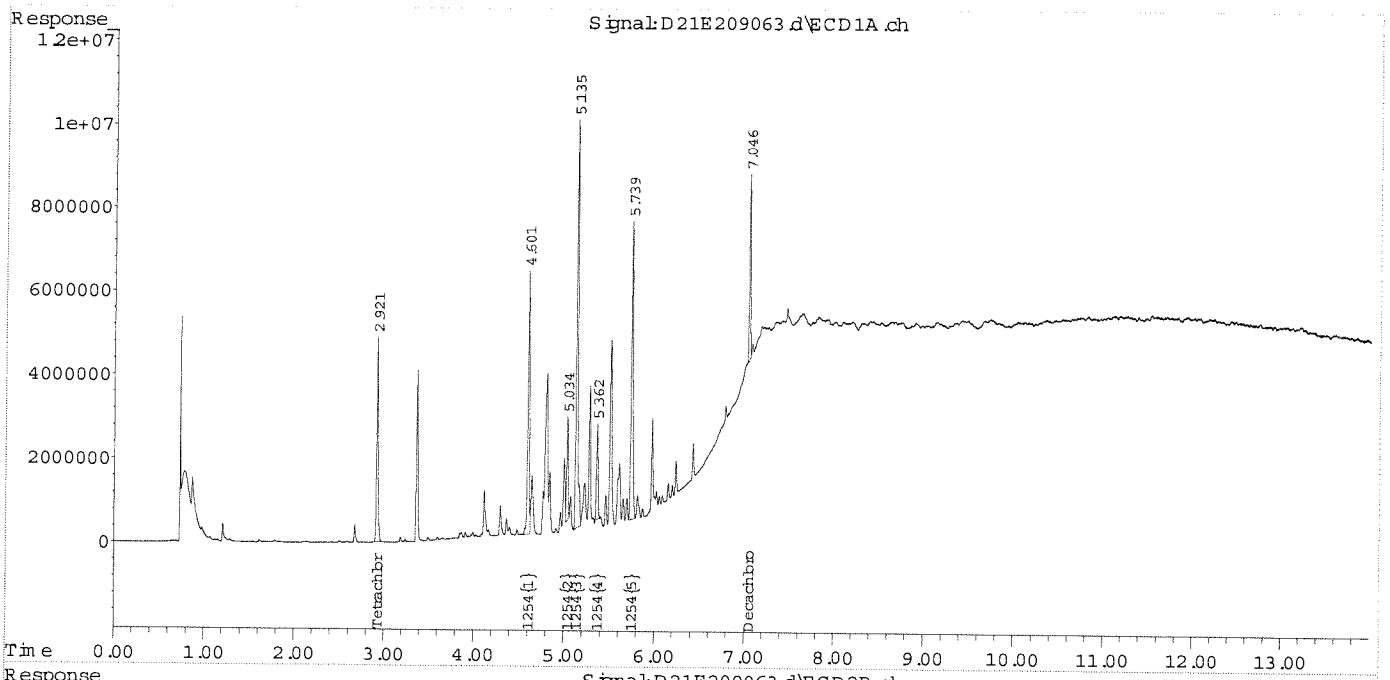


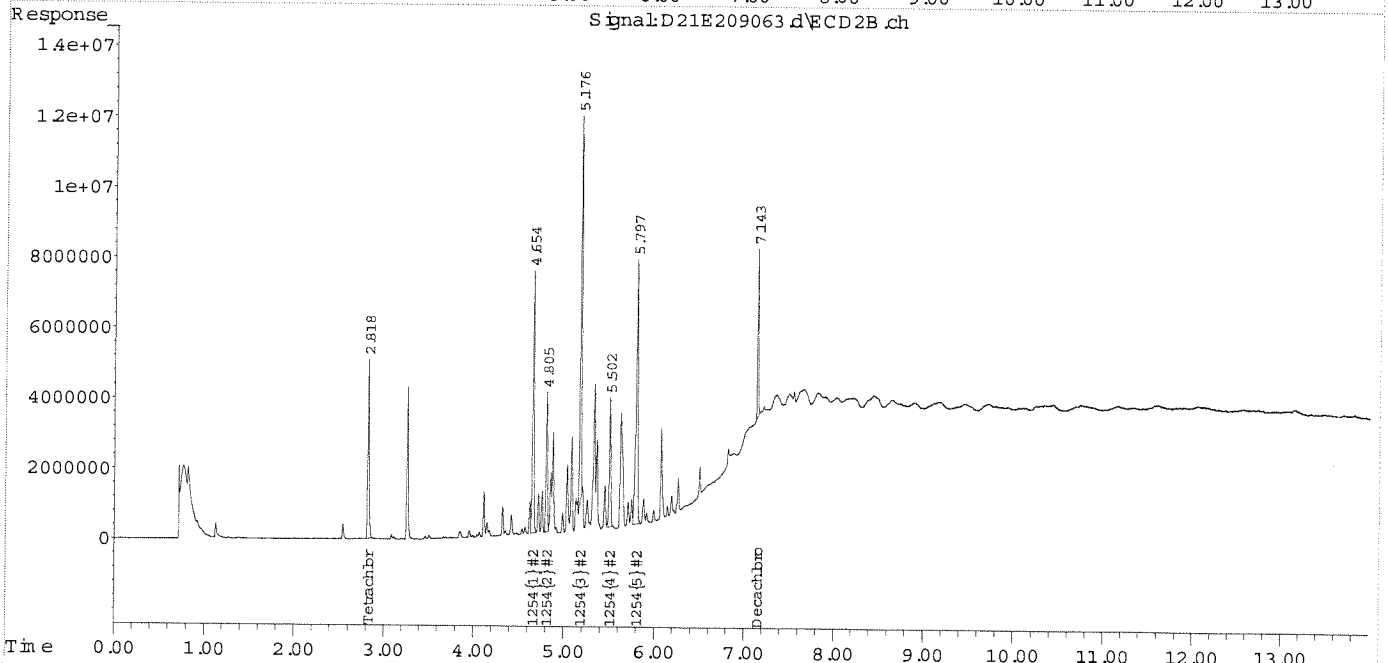
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209063.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2021 3:11 am
Operator : JMB
Sample : 21G0821-02@50X TBA Inst : ECD 4
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 13:04:13 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCBLONG.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



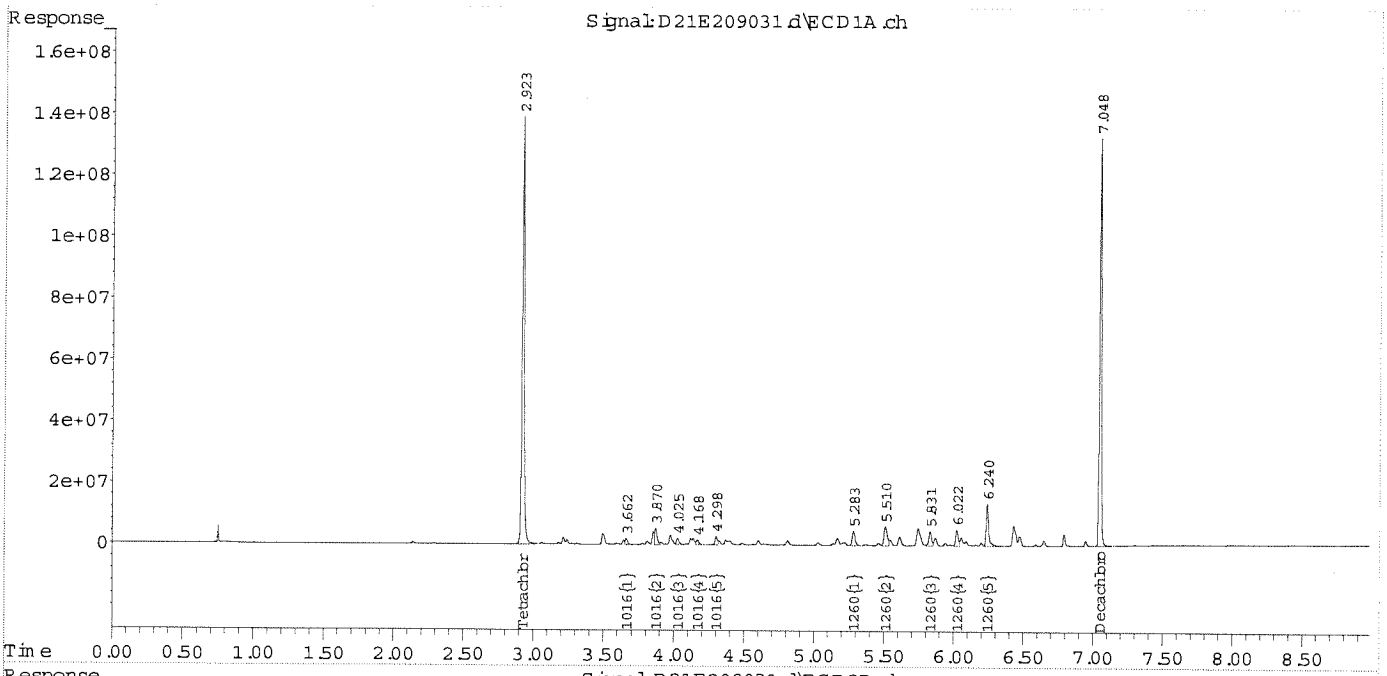


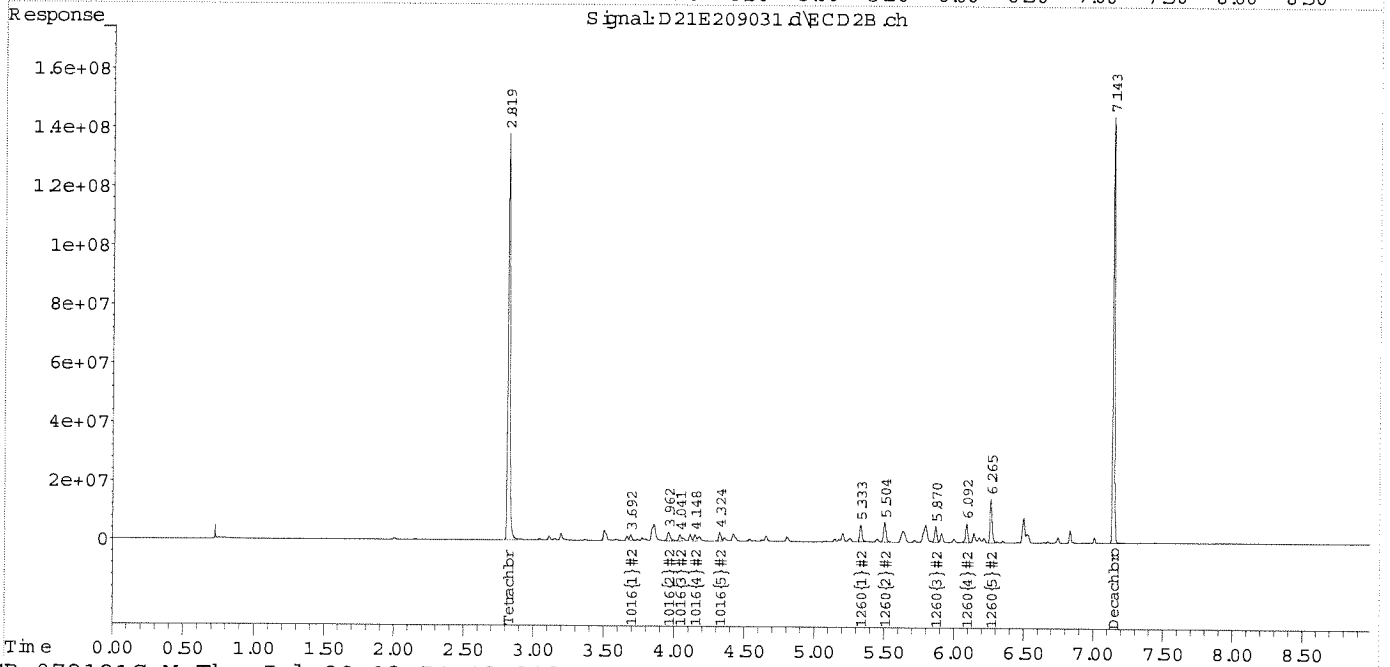
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209031.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 6:35 pm
Operator : JMB
Sample : 1260/1016 100 Inst : ECD 4
Misc : mix[s,l1,l7]
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 08:31:01 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029!
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



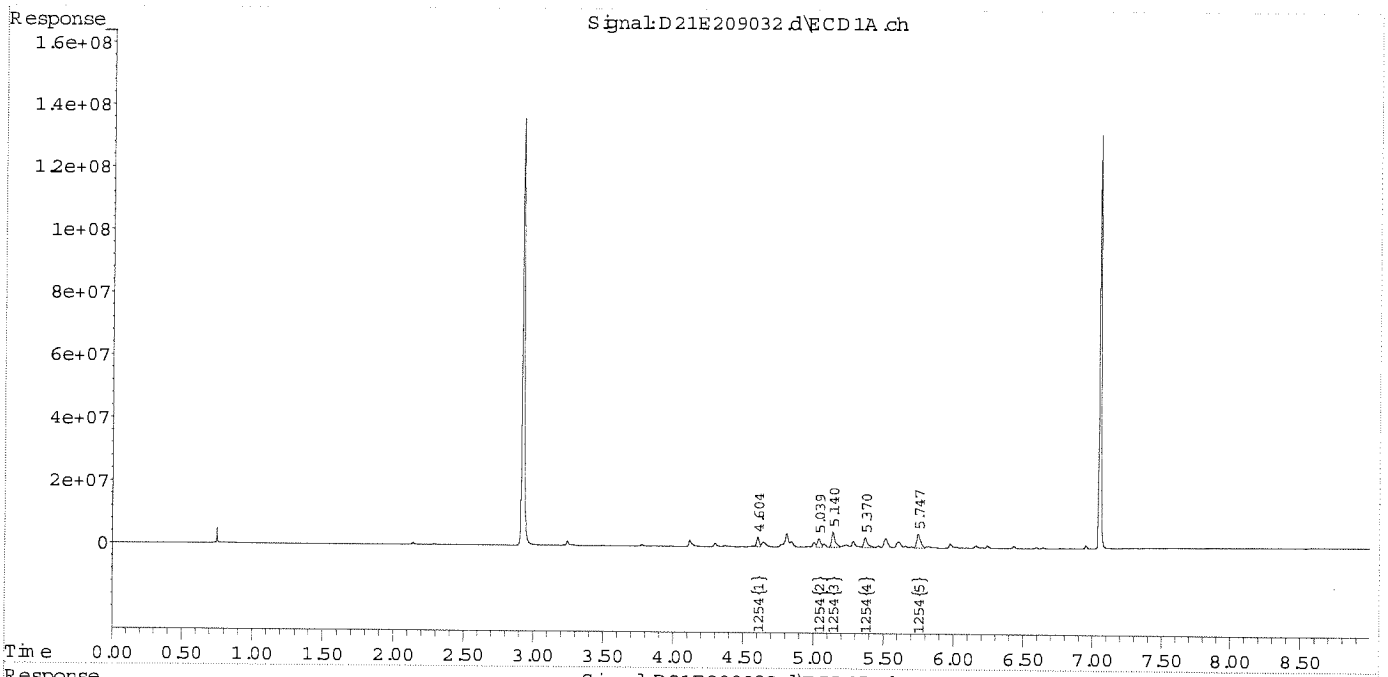


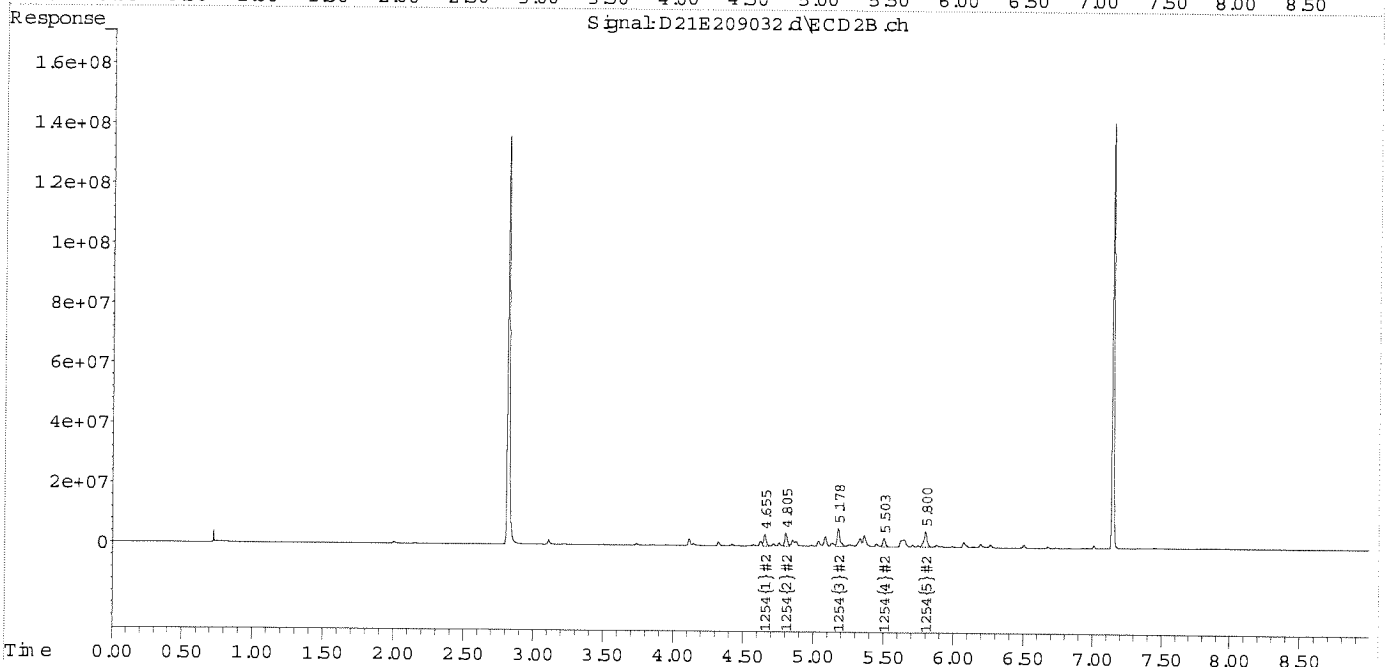
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209032.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 6:48 pm
Operator : JMB
Sample : 1254 100 Inst : ECD 4
Misc : mix[16]
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:09 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



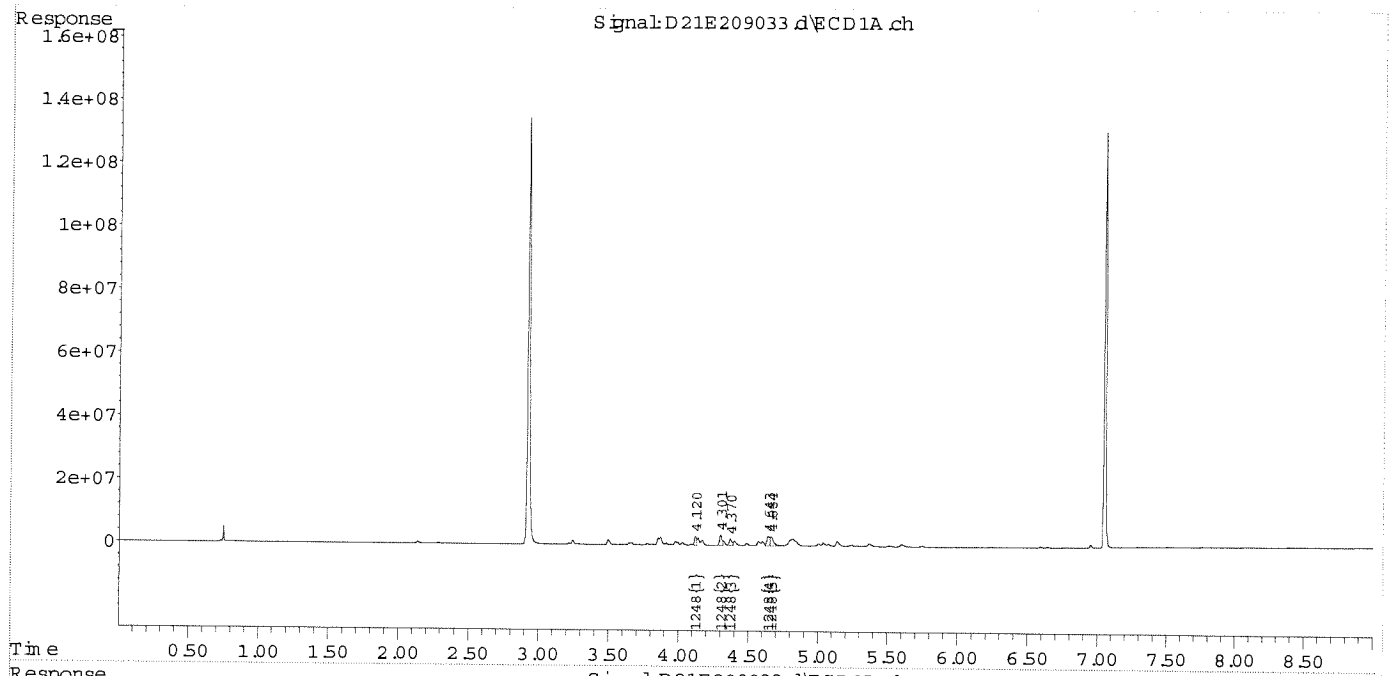


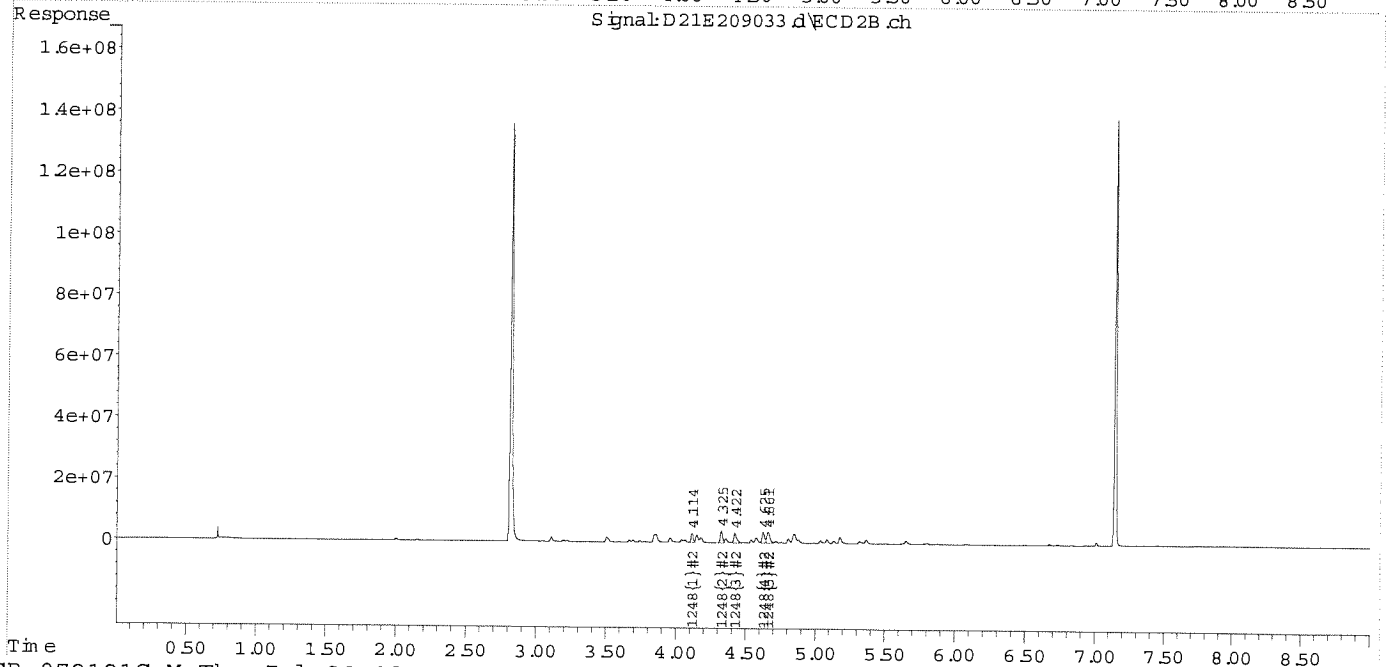
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209033.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:01 pm
Operator : JMB
Sample : 1248 100 Inst : ECD 4
Misc : mix[15]
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:14 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



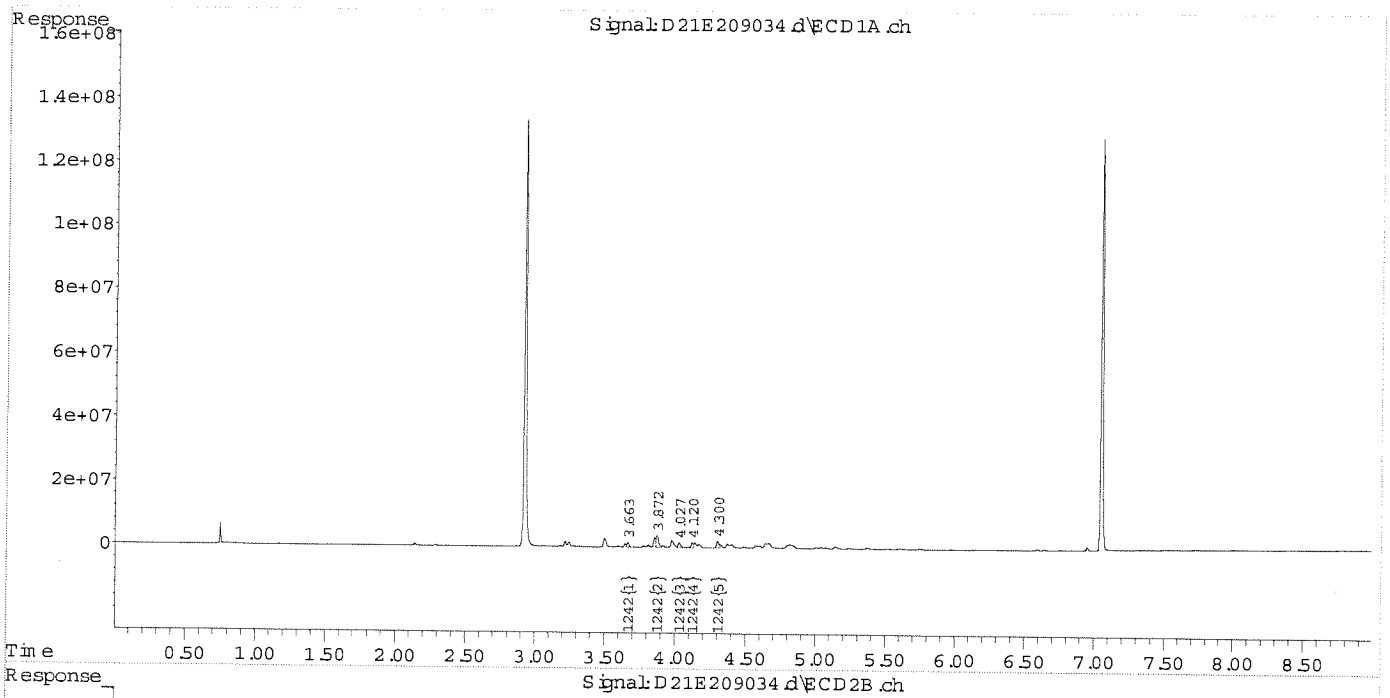


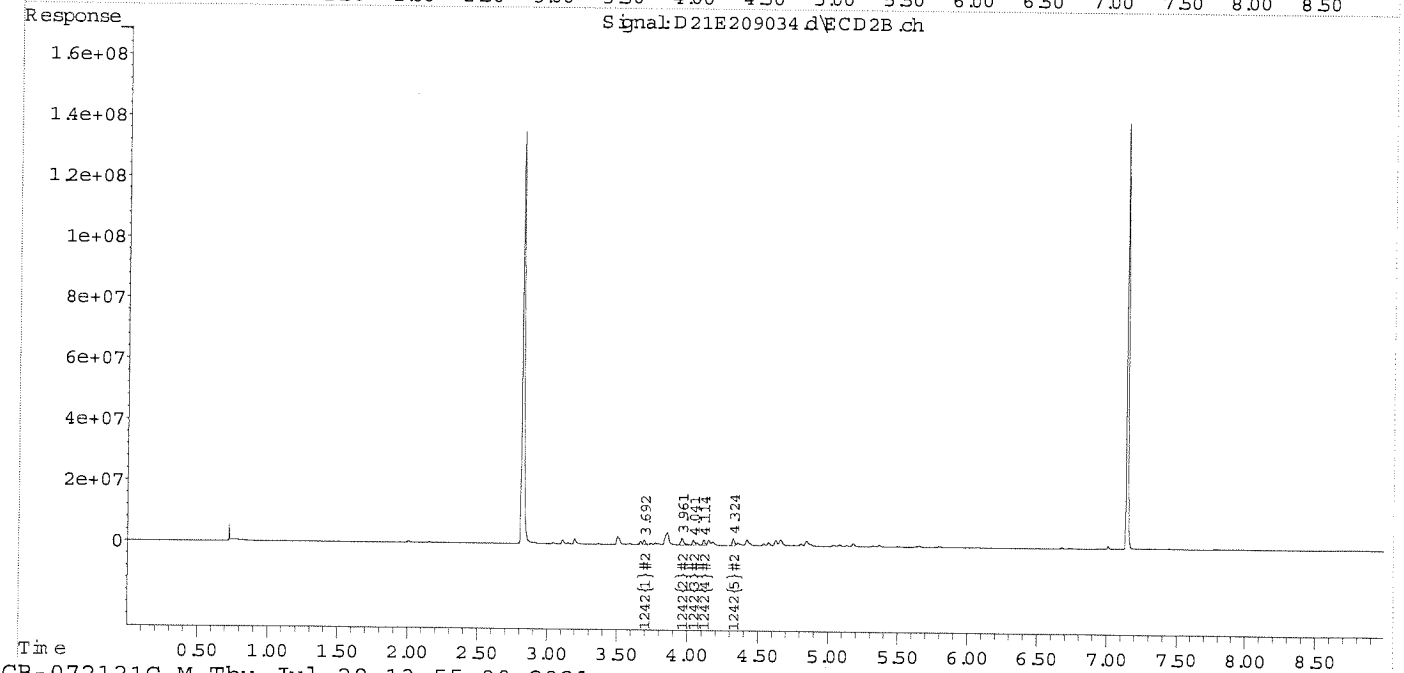
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209034.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:13 pm
Operator : JMB
Sample : 1242 100 Inst : ECD 4
Misc : mix[14]
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:19 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



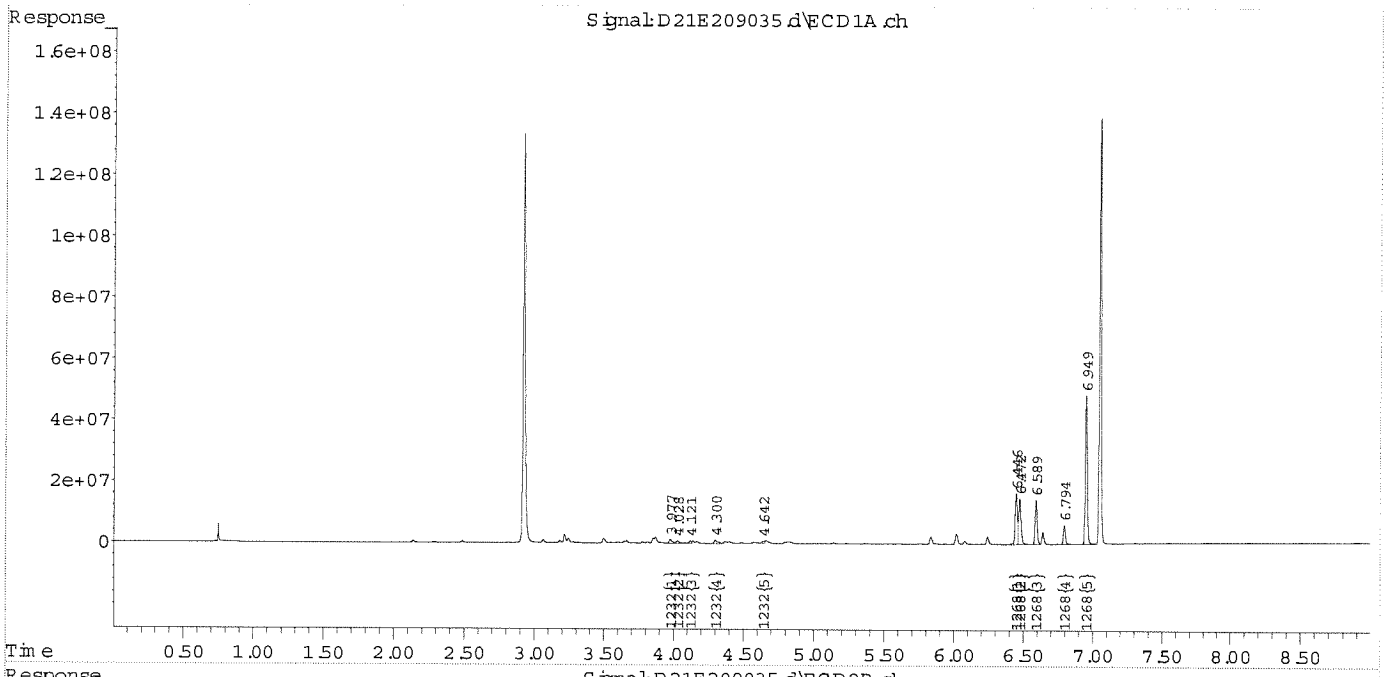


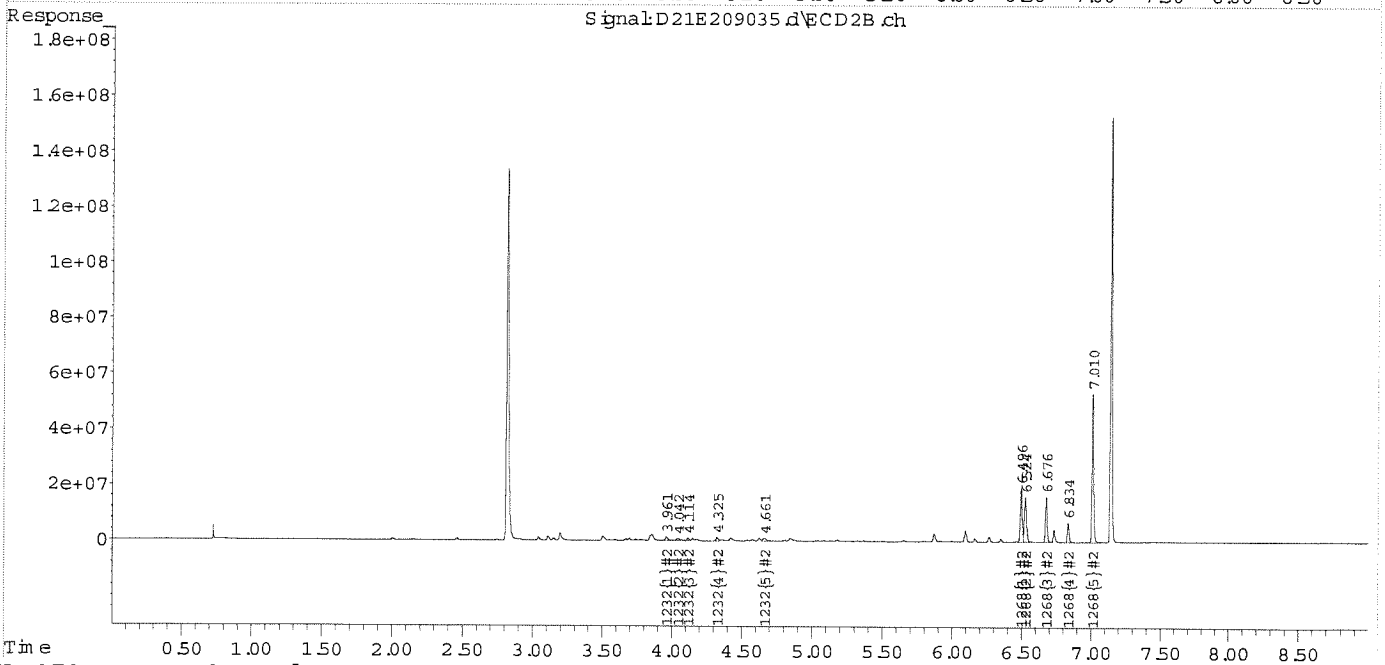
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209035.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:26 pm
Operator : JMB
Sample : 1232/1268 100 Inst : ECD 4
Misc : mix[13,19]
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:24 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



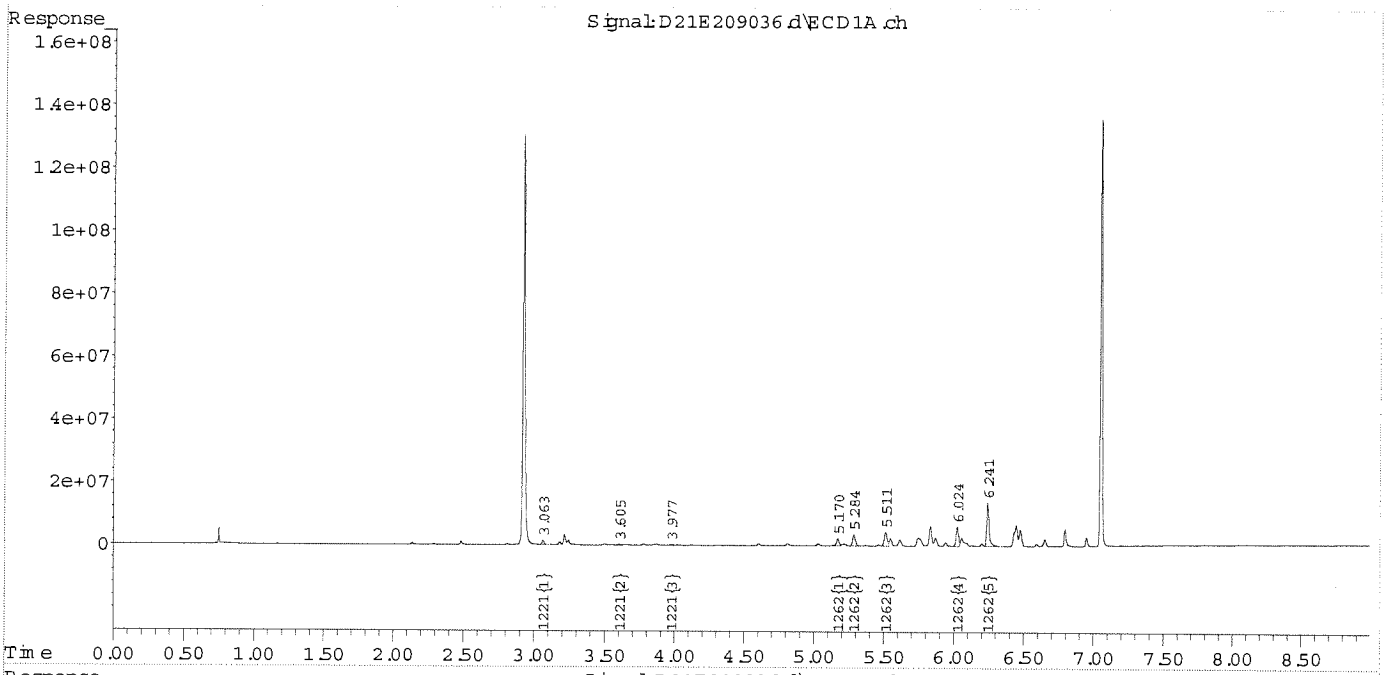


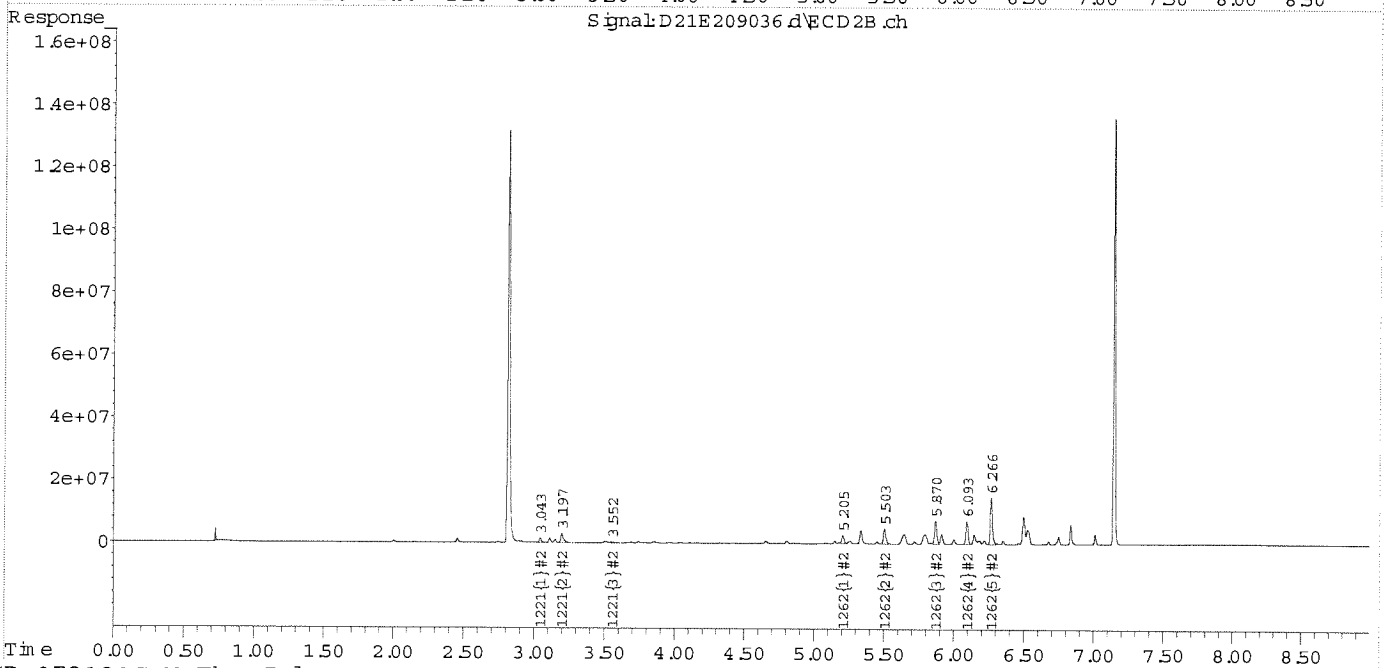
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209036.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:39 pm
Operator : JMB
Sample : 1221/1262 100 Inst : ECD 4
Misc : mix[l2,l8]
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:29 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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A Pace Analytical® Laboratory

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

August 2, 2021

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

Project Location: 52 Institute Road, Burlington, VT
Client Job Number:
Project Number: 280BS01563 Task 7
Laboratory Work Order Number: 21G1448

Enclosed are results of analyses for samples received by the laboratory on July 27, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kaitlyn A. Feliciano
Project Manager

Table of Contents

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: Andra Liberty

REPORT DATE: 8/2/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Task 7

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21G1448

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

PROJECT LOCATION: 52 Institute Road, Burlington, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
210723.A2051.140-1353	21G1448-01	Product/Solid		SW-846 8082A	
210723.A2051.140-1354	21G1448-02	Product/Solid		SW-846 8082A	

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

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:

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
21G1448-01[210723.A2051.140-1353]

Decachlorobiphenyl [2C]
21G1448-01[210723.A2051.140-1353]

Tetrachloro-m-xylene
21G1448-01[210723.A2051.140-1353]

Tetrachloro-m-xylene [2C]
21G1448-01[210723.A2051.140-1353]

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: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21G1448

Date Received: 7/27/2021

Field Sample #: 210723.A2051.140-1353 Sampled: 7/23/2021 11:15

Sample ID: 21G1448-01

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	3.9	mg/Kg	40		SW-846 8082A	7/29/21	7/31/21 21:42	TG
Aroclor-1221 [1]	ND	3.9	mg/Kg	40		SW-846 8082A	7/29/21	7/31/21 21:42	TG
Aroclor-1232 [1]	ND	3.9	mg/Kg	40		SW-846 8082A	7/29/21	7/31/21 21:42	TG
Aroclor-1242 [1]	ND	3.9	mg/Kg	40		SW-846 8082A	7/29/21	7/31/21 21:42	TG
Aroclor-1248 [2]	14	3.9	mg/Kg	40		SW-846 8082A	7/29/21	7/31/21 21:42	TG
Aroclor-1254 [1]	ND	3.9	mg/Kg	40		SW-846 8082A	7/29/21	7/31/21 21:42	TG
Aroclor-1260 [1]	ND	3.9	mg/Kg	40		SW-846 8082A	7/29/21	7/31/21 21:42	TG
Aroclor-1262 [1]	ND	3.9	mg/Kg	40		SW-846 8082A	7/29/21	7/31/21 21:42	TG
Aroclor-1268 [1]	ND	3.9	mg/Kg	40		SW-846 8082A	7/29/21	7/31/21 21:42	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	7/31/21 21:42
Decachlorobiphenyl [2]	*	30-150	S-01	7/31/21 21:42
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/31/21 21:42
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/31/21 21:42

con-test®
A Pace Analytical® Laboratory

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

Project Location: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21G1448

Date Received: 7/27/2021

Field Sample #: 210723.A2051.140-1354 Sampled: 7/23/2021 11:25

Sample ID: 21G1448-02

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	1.9	mg/Kg	20		SW-846 8082A	7/29/21	7/31/21 22:00	TG
Aroclor-1221 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	7/29/21	7/31/21 22:00	TG
Aroclor-1232 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	7/29/21	7/31/21 22:00	TG
Aroclor-1242 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	7/29/21	7/31/21 22:00	TG
Aroclor-1248 [2]	13	1.9	mg/Kg	20		SW-846 8082A	7/29/21	7/31/21 22:00	TG
Aroclor-1254 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	7/29/21	7/31/21 22:00	TG
Aroclor-1260 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	7/29/21	7/31/21 22:00	TG
Aroclor-1262 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	7/29/21	7/31/21 22:00	TG
Aroclor-1268 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	7/29/21	7/31/21 22:00	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.8	30-150		7/31/21 22:00
Decachlorobiphenyl [2]	71.1	30-150		7/31/21 22:00
Tetrachloro-m-xylene [1]	88.1	30-150		7/31/21 22:00
Tetrachloro-m-xylene [2]	83.7	30-150		7/31/21 22:00

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21G1448-01 [210723.A2051.140-1353]	B287073	2.07	10.0	07/29/21
21G1448-02 [210723.A2051.140-1354]	B287073	2.09	10.0	07/29/21

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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 B287073 - SW-846 3540C										
Blank (B287073-BLK1)				Prepared: 07/29/21 Analyzed: 07/31/21						
Aroclor-1016	ND	0.098	mg/Kg							
Aroclor-1016 [2C]	ND	0.098	mg/Kg							
Aroclor-1221	ND	0.098	mg/Kg							
Aroclor-1221 [2C]	ND	0.098	mg/Kg							
Aroclor-1232	ND	0.098	mg/Kg							
Aroclor-1232 [2C]	ND	0.098	mg/Kg							
Aroclor-1242	ND	0.098	mg/Kg							
Aroclor-1242 [2C]	ND	0.098	mg/Kg							
Aroclor-1248	ND	0.098	mg/Kg							
Aroclor-1248 [2C]	ND	0.098	mg/Kg							
Aroclor-1254	ND	0.098	mg/Kg							
Aroclor-1254 [2C]	ND	0.098	mg/Kg							
Aroclor-1260	ND	0.098	mg/Kg							
Aroclor-1260 [2C]	ND	0.098	mg/Kg							
Aroclor-1262	ND	0.098	mg/Kg							
Aroclor-1262 [2C]	ND	0.098	mg/Kg							
Aroclor-1268	ND	0.098	mg/Kg							
Aroclor-1268 [2C]	ND	0.098	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.954*		mg/Kg	0.980		97.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.824*		mg/Kg	0.980		84.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.892*		mg/Kg	0.980		90.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.823*		mg/Kg	0.980		83.9	30-150			
LCS (B287073-BS1)				Prepared: 07/29/21 Analyzed: 07/31/21						
Aroclor-1016	0.79	0.098	mg/Kg	0.980		80.6	40-140			
Aroclor-1016 [2C]	0.81	0.098	mg/Kg	0.980		82.1	40-140			
Aroclor-1260	0.78	0.098	mg/Kg	0.980		79.7	40-140			
Aroclor-1260 [2C]	0.72	0.098	mg/Kg	0.980		73.6	40-140			
Surrogate: Decachlorobiphenyl	*0.957*		mg/Kg	0.980		97.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.826*		mg/Kg	0.980		84.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.863*		mg/Kg	0.980		88.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.790*		mg/Kg	0.980		80.6	30-150			
LCS Dup (B287073-BSD1)				Prepared: 07/29/21 Analyzed: 07/31/21						
Aroclor-1016	0.68	0.098	mg/Kg	0.976		70.0	40-140	14.6	30	
Aroclor-1016 [2C]	0.69	0.098	mg/Kg	0.976		71.2	40-140	14.7	30	
Aroclor-1260	0.65	0.098	mg/Kg	0.976		66.6	40-140	18.4	30	
Aroclor-1260 [2C]	0.60	0.098	mg/Kg	0.976		61.2	40-140	18.9	30	
Surrogate: Decachlorobiphenyl	*0.767*		mg/Kg	0.976		78.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.660*		mg/Kg	0.976		67.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.705*		mg/Kg	0.976		72.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.650*		mg/Kg	0.976		66.6	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210723.A2051.140-1353

Lab Sample ID: 21G1448-01

Date(s) Analyzed: 07/31/2021 07/31/2021

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-1248	1	0.000	0.000	0.000	12	
	2	0.000	0.000	0.000	14	15.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210723.A2051.140-1354

Lab Sample ID: 21G1448-02 Date(s) Analyzed: 07/31/2021 07/31/2021

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-1248	1	0.000	0.000	0.000	12	
	2	0.000	0.000	0.000	13	8.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B287073-BS1 Date(s) Analyzed: 07/31/2021 07/31/2021

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	0.79	
	2	0.000	0.000	0.000	0.81	2.5
Aroclor-1260	1	0.000	0.000	0.000	0.78	
	2	0.000	0.000	0.000	0.72	8.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B287073-BSD1 Date(s) Analyzed: 07/31/2021 07/31/2021

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	0.68	
	2	0.000	0.000	0.000	0.69	1.5
Aroclor-1260	1	0.000	0.000	0.000	0.65	
	2	0.000	0.000	0.000	0.60	8.0

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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.
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.

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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	03/1/2022
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	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
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	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

210 1448

con-test ANALYTICAL LABORATORY

http://www.contestlabs.com

Doc # 381 Rev 2_06262019

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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980

Project Name:
Project Location: 52 Institute Road, Burlington, Vermont
Project Number: 280BS01563
Project Manager: Andra Liberty
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: J. Adams, K. Paritz

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

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	EPA Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
1	210723-A2051.140-1353	7/23/2021	11:15	Grab	O	U		1				✓	✓
2	210723-A2051.140-1354	7/23/2021	11:25	Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS 2
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)

Relinquished by: (signature)	Date/Time: 7/26/21 1000
Received by: (signature)	Date/Time: 7/27/21 915
Relinquished by: (signature)	Date/Time: 7/27/21 1740
Received by: (signature)	Date/Time: 7/27/21 1740
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab 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

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

con-test® ANALYTICAL LABORATORY

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 CA Date 7/27/21 Time 1740

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 # 2 Actual Temp - 36 By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

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 Project T Analysis T ID's T Sampler Name 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? NA 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? NA Acid ____ Base ____

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	2
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:

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B287073

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 7/29/2021 5:22:41PM

Surrogate Solution
2107508 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Add-ons

8/2/21

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
B287073-BLK1	Blank			AAM 7/30/21	#1		10.0		1000	
B287073-BS1	LCS							1000	1000	
B287073-BSD1	LCS Dup							1000	1000	
B287073-MS1	Matrix Spike [21G1636-19]			AAM 7/30/21			10.6	1000	1000	
B287073-MSD1	Matrix Spike Dup [21G1636-19]							1000	1000	
21G1448-01	210723.A2051.140-1353	08/10/21	08/06/21	G 7/30/21	#7		10.0		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21G1448-02	210723.A2051.140-1354	08/10/21	08/06/21						1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21G1517-01	210723.F2051.140-1351	08/10/21	08/06/21						1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21G1517-02	210723.F2051.140-1352	08/10/21	08/06/21						1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21G1518-01	210723.D2051.140-1349	08/10/21	08/06/21						1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21G1518-02	210723.D2051.140-1350	08/10/21	08/06/21						1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21G1590-01	110-01-C-1	08/11/21	08/11/21				10.0		1000	
21G1636-19	T30-C1	08/03/21	08/11/21	AAM 7/30/21	#1		10.0		1000	
21G1636-20	T30-C2	08/03/21	08/11/21						1000	
21G1701-01	MH-VBC-102	08/02/21	08/12/21			2.03			1000	
G1701-02	MH-VBC-103	08/02/21	08/12/21			2.03			1000	

PTK JCH 07/29/2021
kedby/Witnessed By Date

PTK 07/29/2021
Extracted By Date

Loaded #5 7/31/21
Prepped by JS 7.31.

PREPARATION BENCH SHEET

Printed: 7/29/2021 5:22:41PM

Analysis
8082 Soxhlet

B287073

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Surrogate Solution
2107508 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Start Date/Time: 7/29/2021 @ 15:13
Stop Date/Time:
SPK: KMG
WIT: GGG

StartDate/Time 07/29/2021 @ 17:20
StopDate/Time 7/30/21 9:22

Standard ID#	Description	Manufacture Lot#
2106532	Sodium Sulfate (Drum 45.5kg)	0000282237
2106650	Hexanes 95%	207414
2107014	Filter Paper (Fisher) WH 2V 15CM	A29726631
2107378	Distilled Solvent - MeCl2	DCM/ACE
2107379	Acetone	212207
2107413	Distilled Solvent Hexanes:Acetone	2:1 Hexanes:Ace

Spiked by/Witnessed By Date

Extracted By Date

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B287073

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 7/29/2021 2:10:59PM

Surrogate Solution
2107508 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B287073-BLK1	Blank					2.04			1000		
B287073-BS1	LCS					2.04		1000	1000		
B287073-BSD1	LCS Dup					2.05		1000	1000		
B287073-MS1	Matrix Spike [~~21G1448-01~~ 21G1636-19]					2.04		1000	1000		
B287073-MSD1	Matrix Spike Dup [~~21G1448-01~~ 21G1636-19]					2.04		1000	1000		
21G1448-01	210723.A2051.140-1353	08/10/21	08/06/21			2.07			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G1448-02	210723.A2051.140-1354	08/10/21	08/06/21			2.09			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G1517-01	210723.F2051.140-1351	08/10/21	08/06/21			2.02			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G1517-02	210723.F2051.140-1352	08/10/21	08/06/21			2.02			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G1518-01	210723.D2051.140-1349	08/10/21	08/06/21			2.06			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G1518-02	210723.D2051.140-1350	08/10/21	08/06/21			2.06			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G1590-01	110-01-C-1	08/11/21	08/11/21			2.05			1000		10
~~21G1636-19~~	T30-C1	08/03/21	08/11/21			2.03			1000		3
21G1636-20	T30-C2	08/03/21	08/11/21			2.05			1000		3

SPK WGT

KMC GGG 7/29/2021
Checkedby/Witnessed By Date

KMC 7/29/2021
Extracted By Date

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PREPARATION BENCH SHEET

Printed: 7/29/2021 2:10:59PM

Analysis
8082 Soxhlet

B287073

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Surrogate Solution
2107508 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Start Date/Time:
Stop Date/Time:
SPK Start Date/Time 7/29/2021 @ 15:13
WIT:
StopDate/Time 7/30/21 7:18

Standard ID#	Description	Manufacture Lot#
2106532	Sodium Sulfate (Drum 45.5kg)	0000282237
2106650	Hexanes 95%	207414
2107014	Filter Paper (Fisher) WH 2V 15CM	A29726631
2107378	Distilled Solvent - MeCl2	DCM/ACE
2107379	Acetone	212207
2107413	Distilled Solvent Hexanes:Acetone	2:1 Hexanes:Ace

kedby/Witnessed By Date

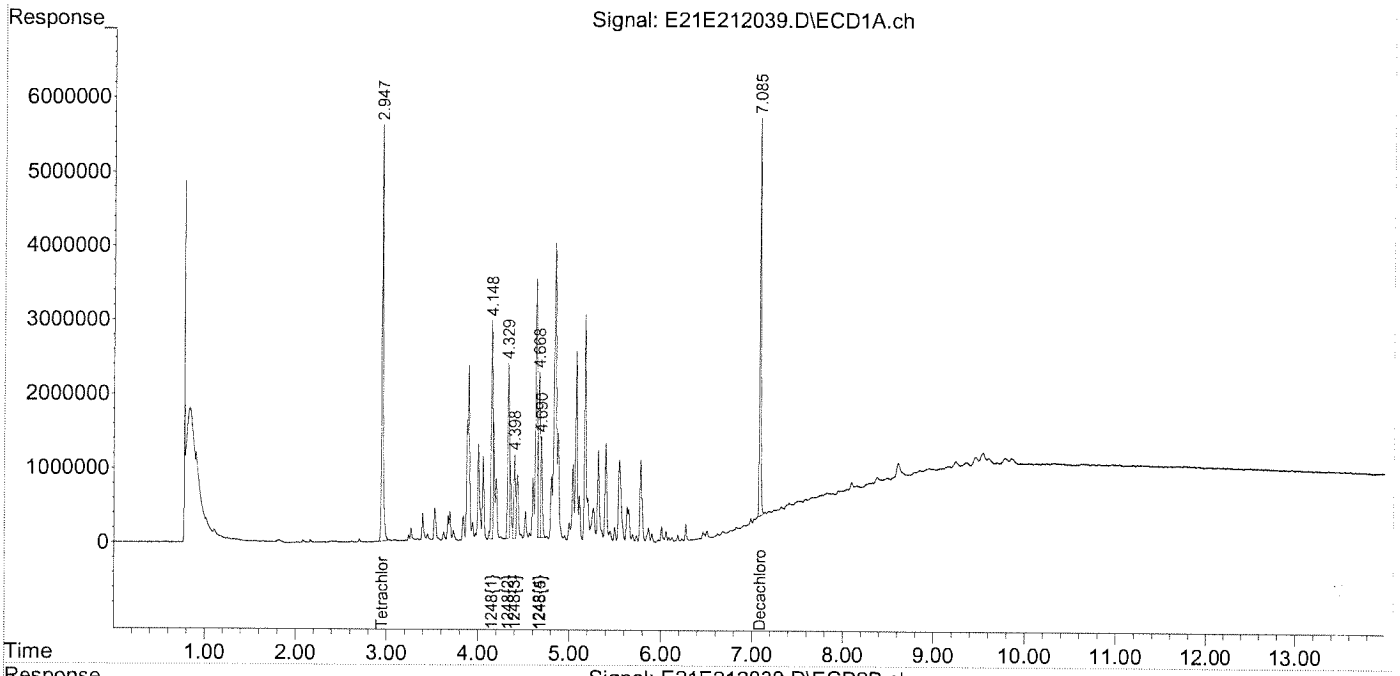
Extracted By Date

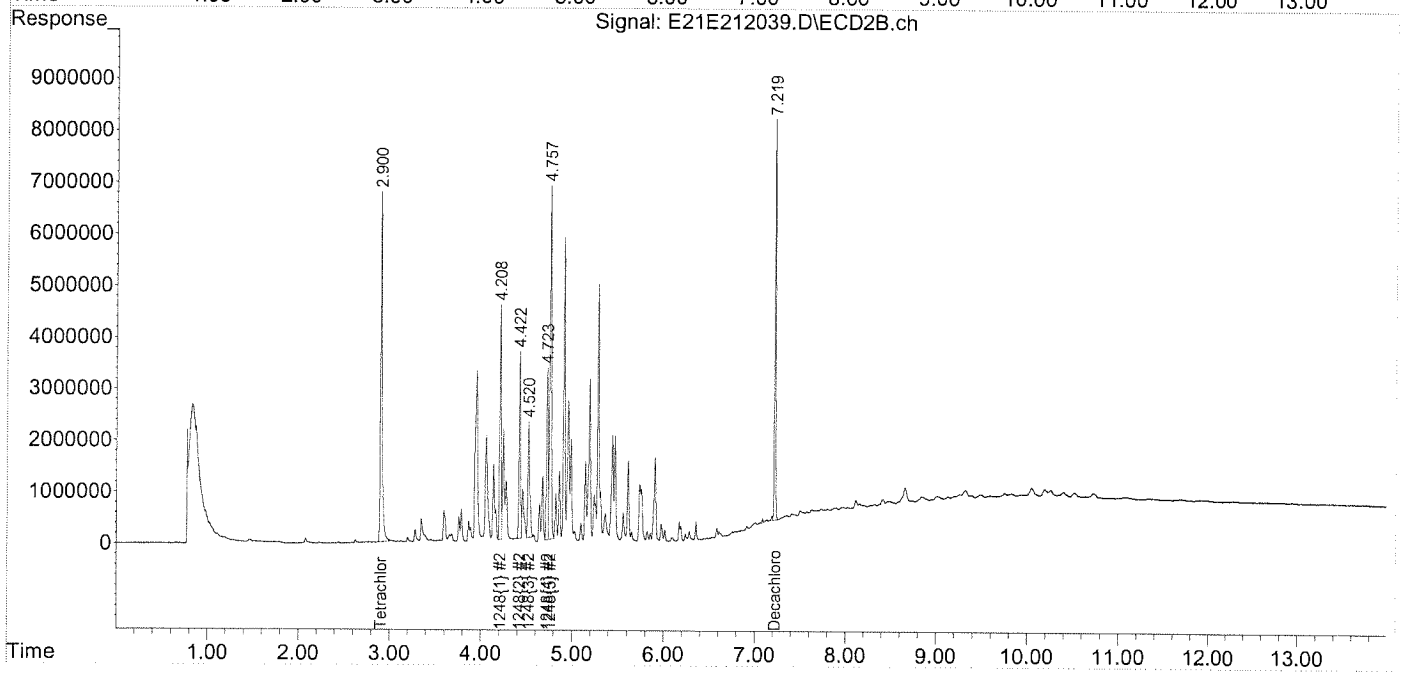
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 9:42 pm
Operator : JMB
Sample : 21G1448-01@40X TBA Inst : ECD 5
Misc :
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Aug 02 07:52:54 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



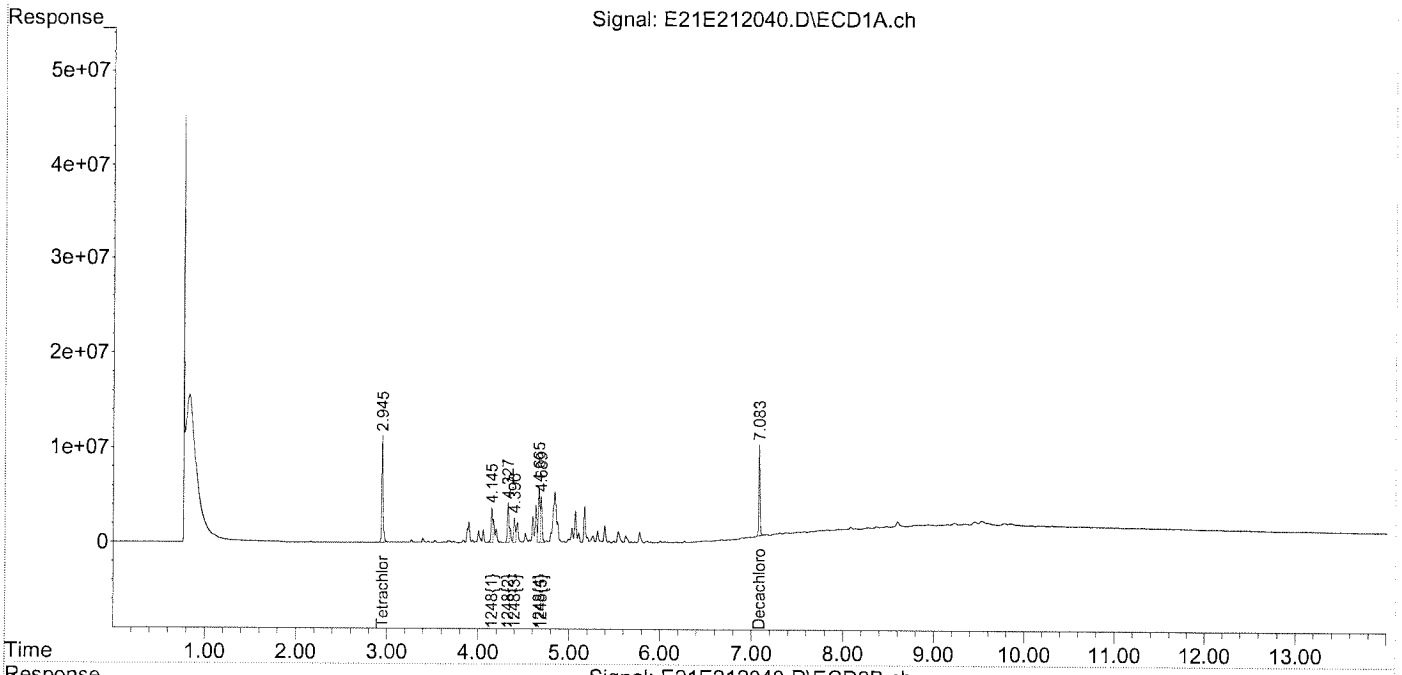


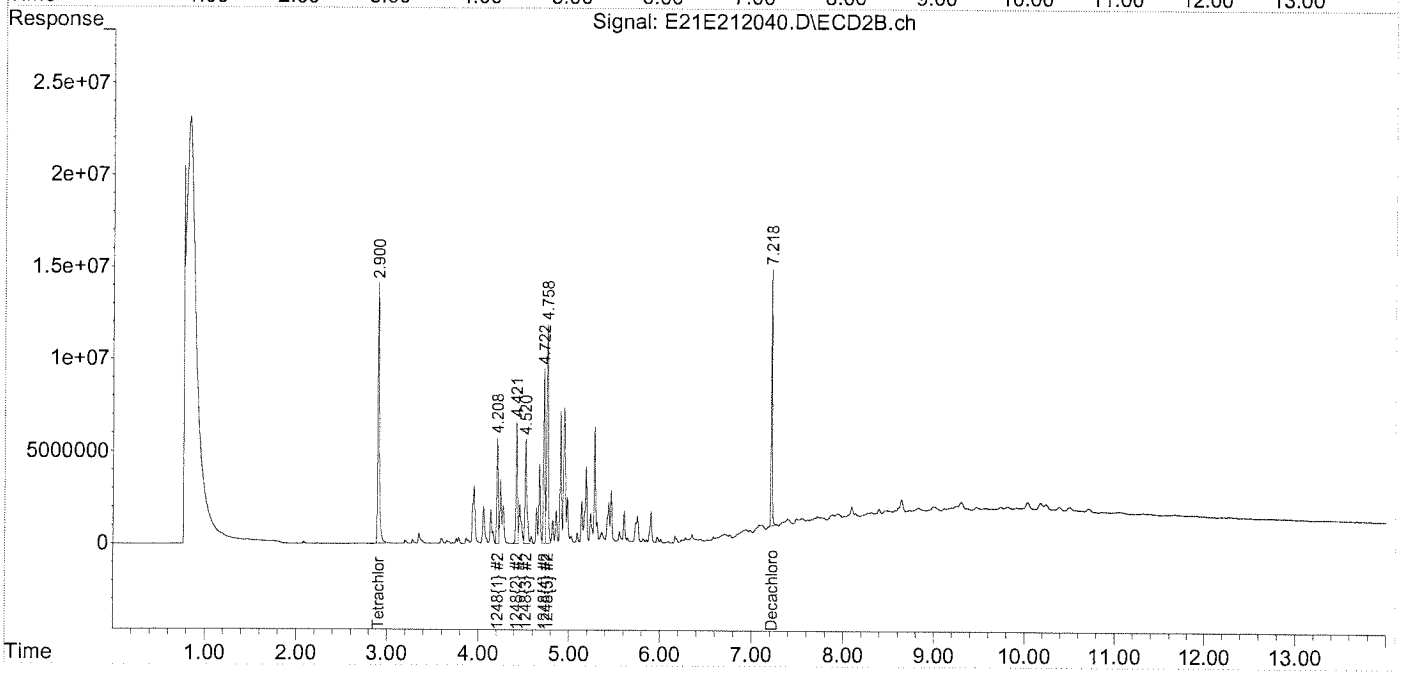
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 10:00 pm
Operator : JMB
Sample : 21G1448-02@20X TBA Inst : ECD 5
Misc :
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Aug 02 07:52:58 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



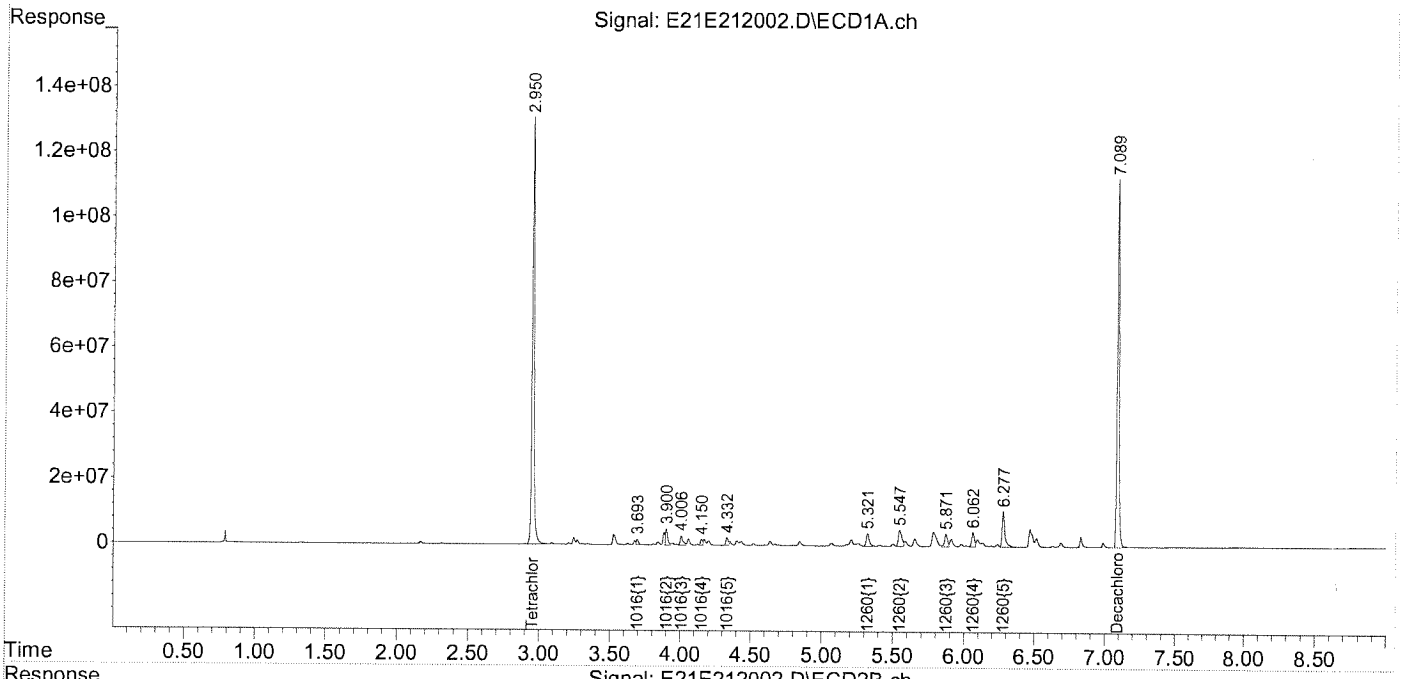


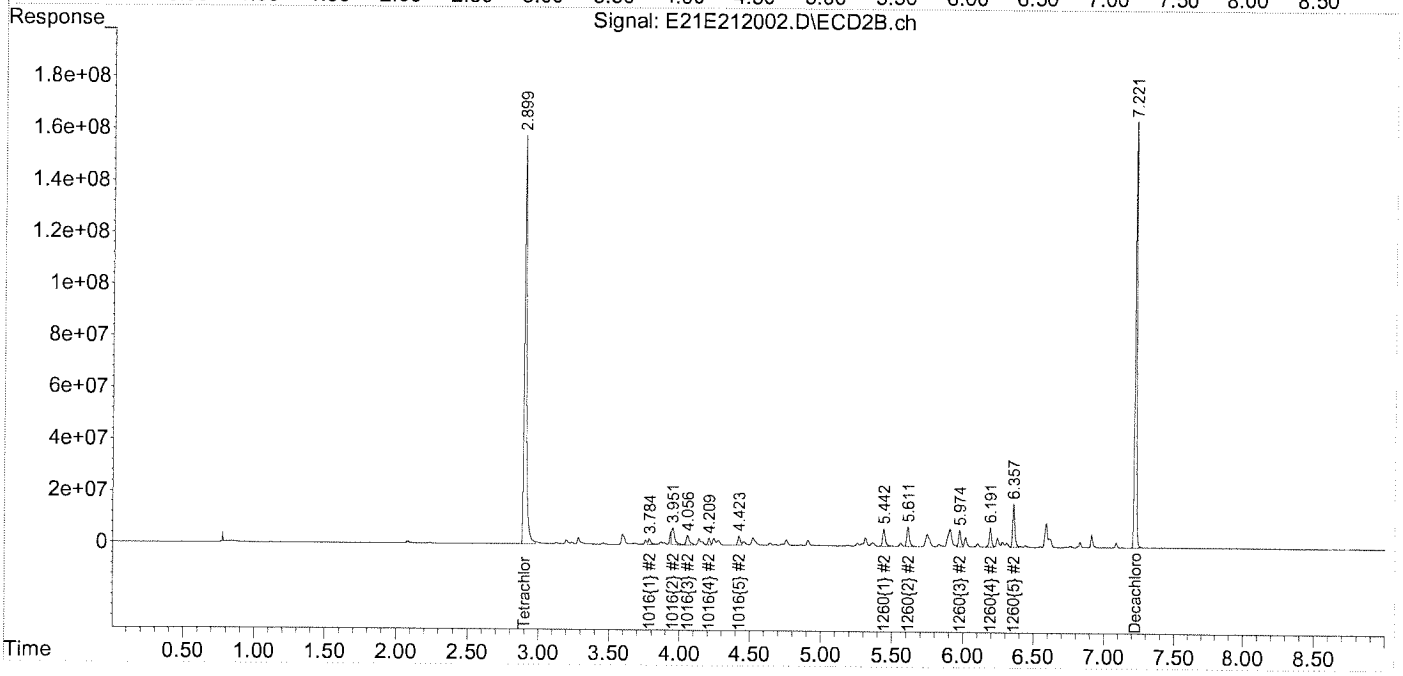
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 12:20 pm
Operator : JMB
Sample : 1260/1016 100 2105380 Inst : ECD 5
Misc : mix[s,l1,l7]
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 31 13:00:24 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



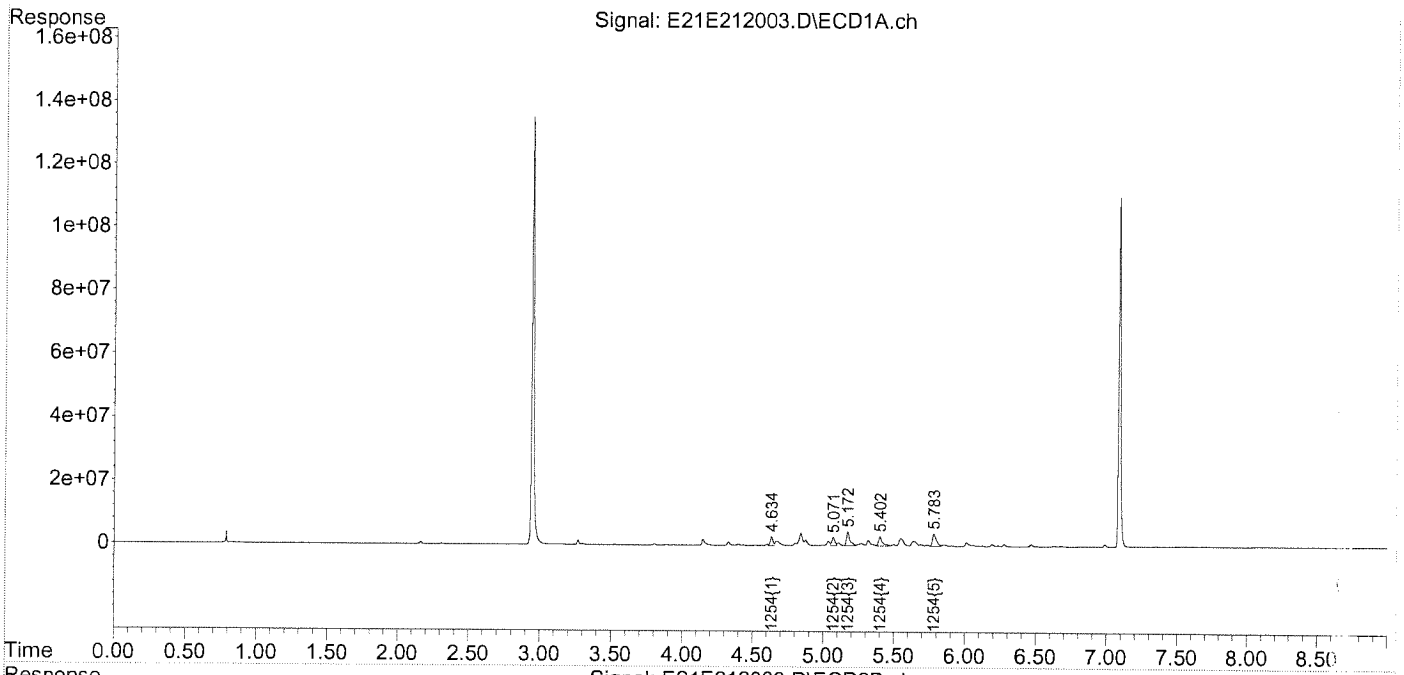


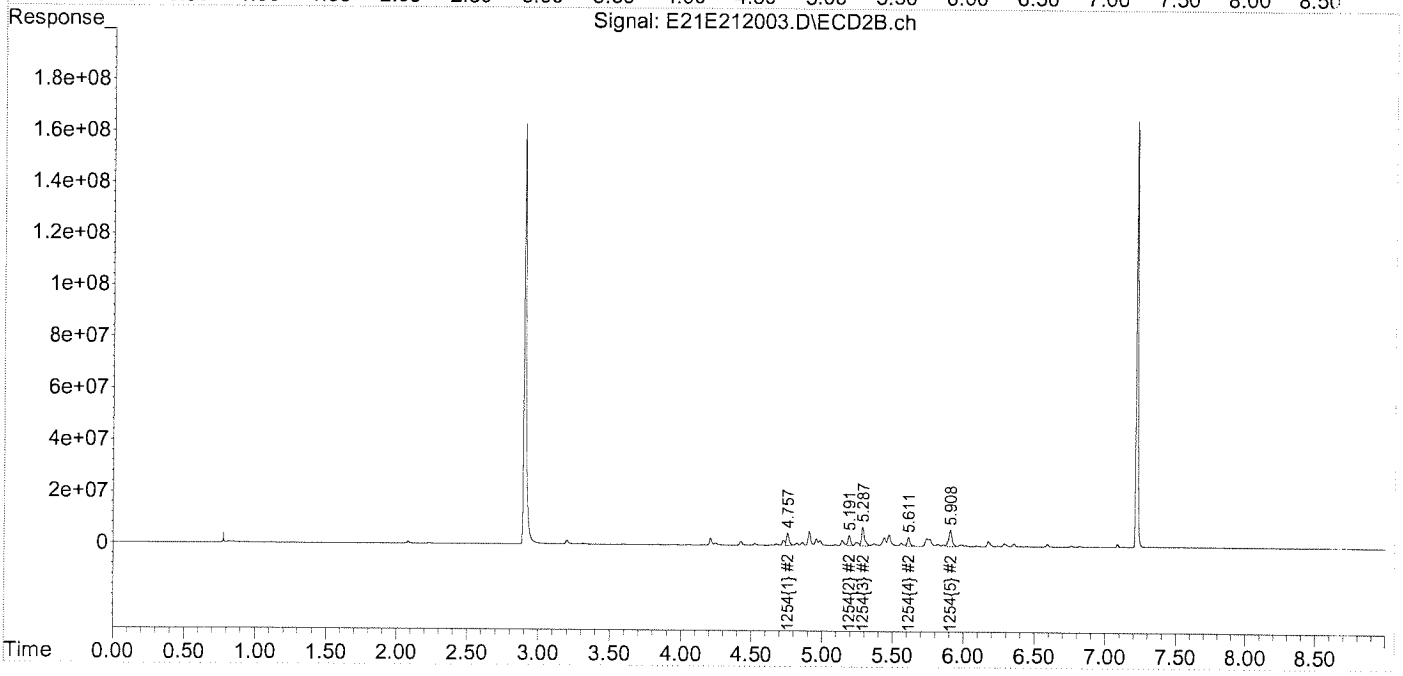
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 12:32 pm
Operator : JMB
Sample : 1254 100 2104278 Inst : ECD 5
Misc : mix[16]
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 31 13:00:28 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



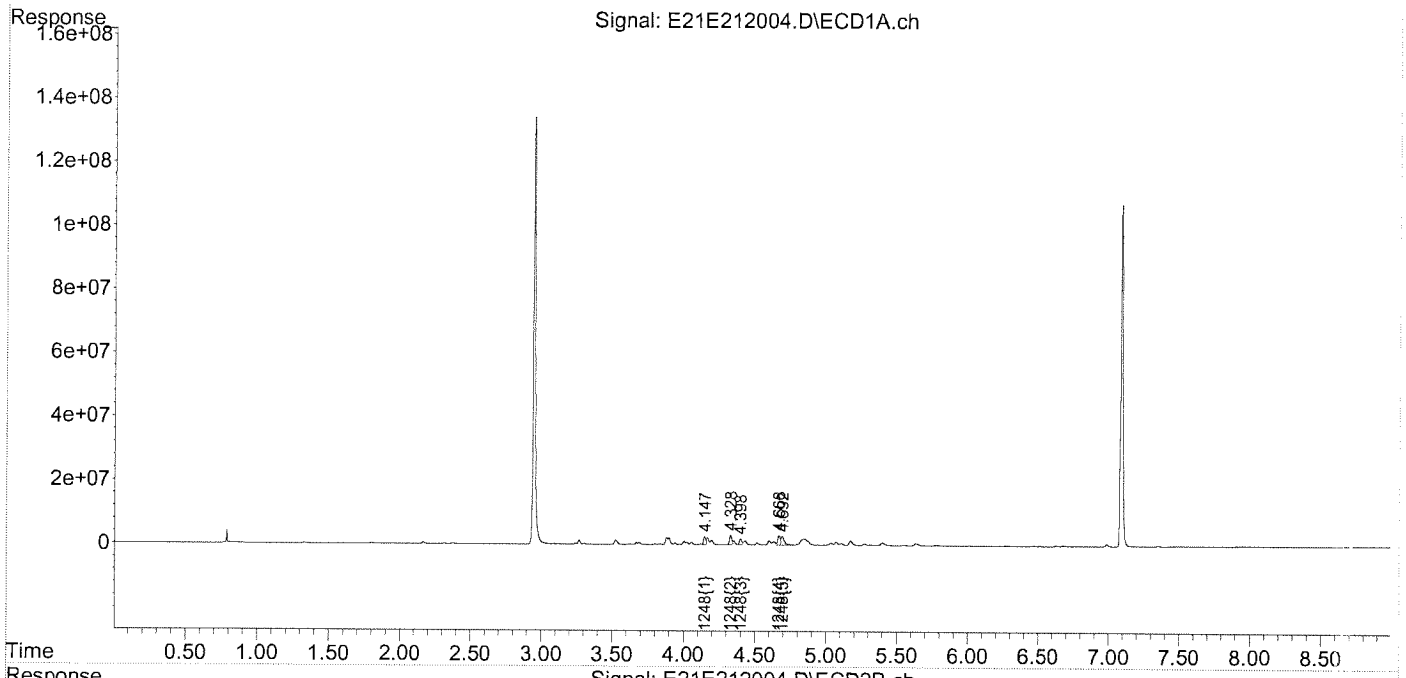


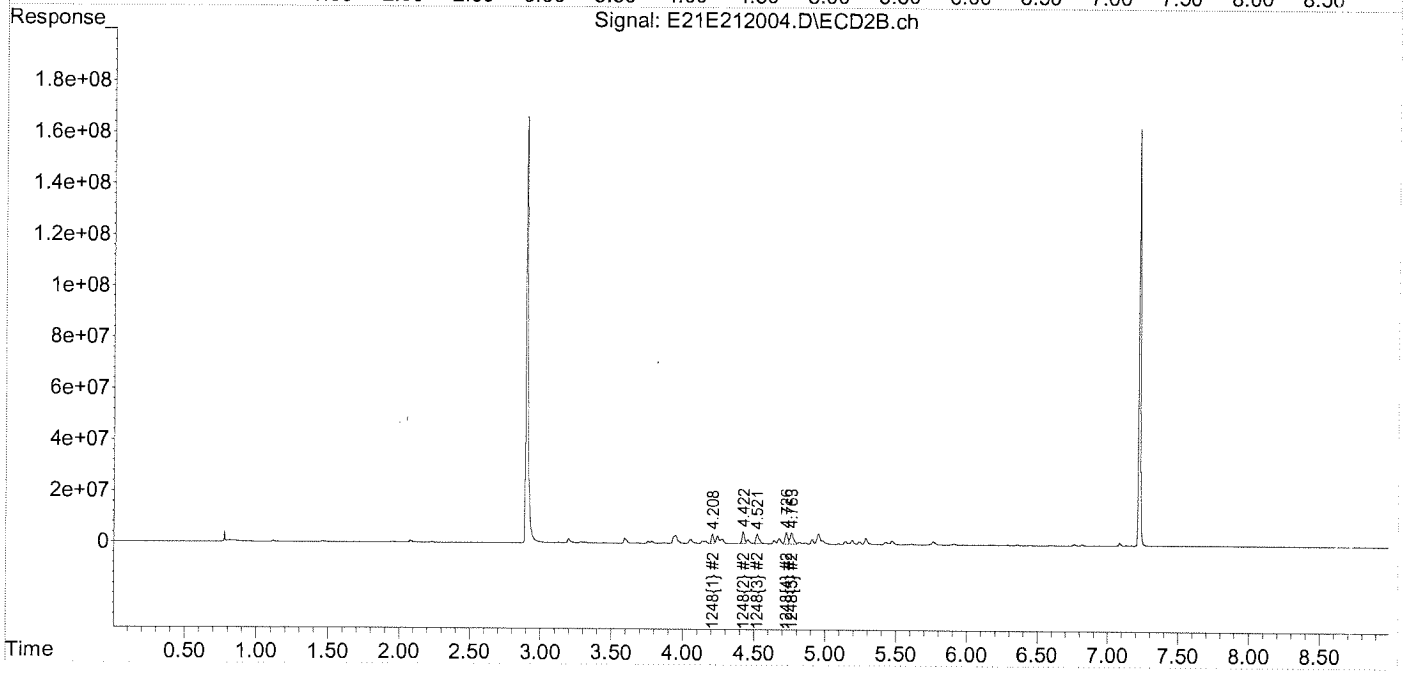
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 12:45 pm
Operator : JMB
Sample : 1248 100 2104239 Inst : ECD 5
Misc : mix[15]
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 31 13:00:31 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



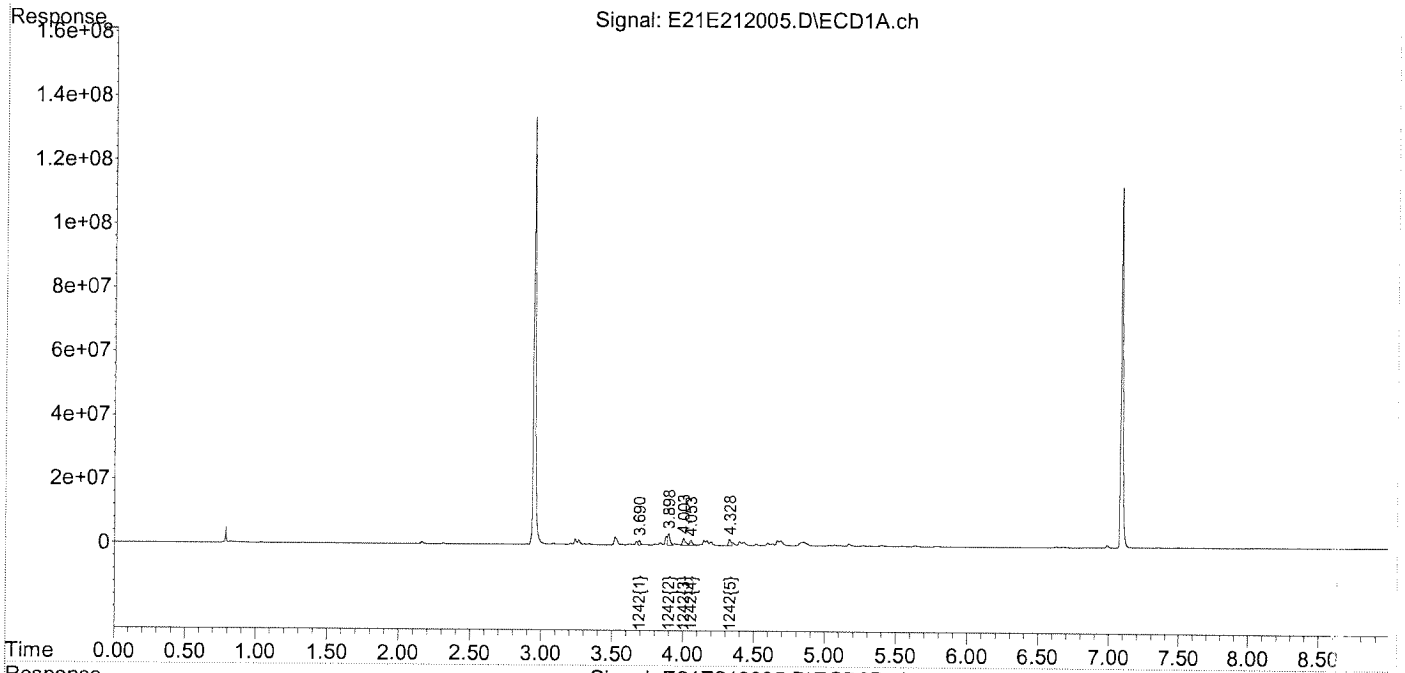


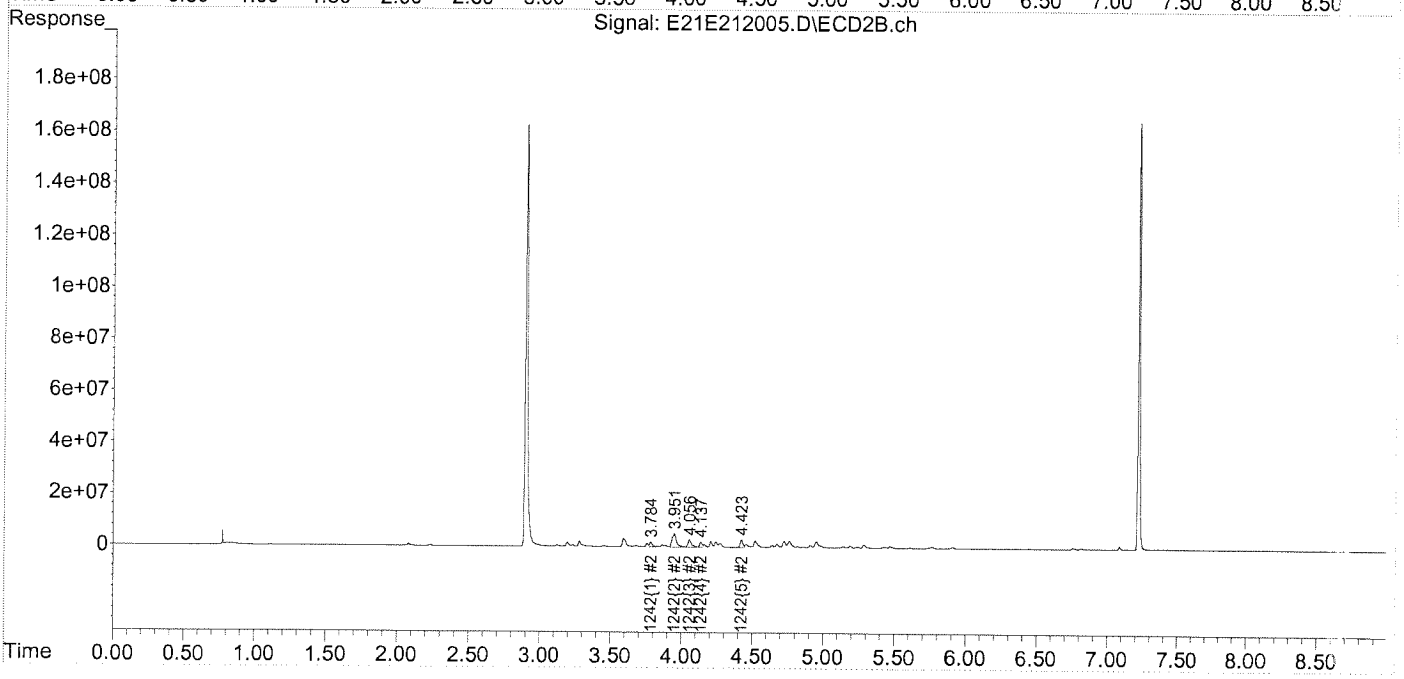
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 12:57 pm
Operator : JMB
Sample : 1242 100 2103459 Inst : ECD 5
Misc : mix[l4]
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 31 13:08:29 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



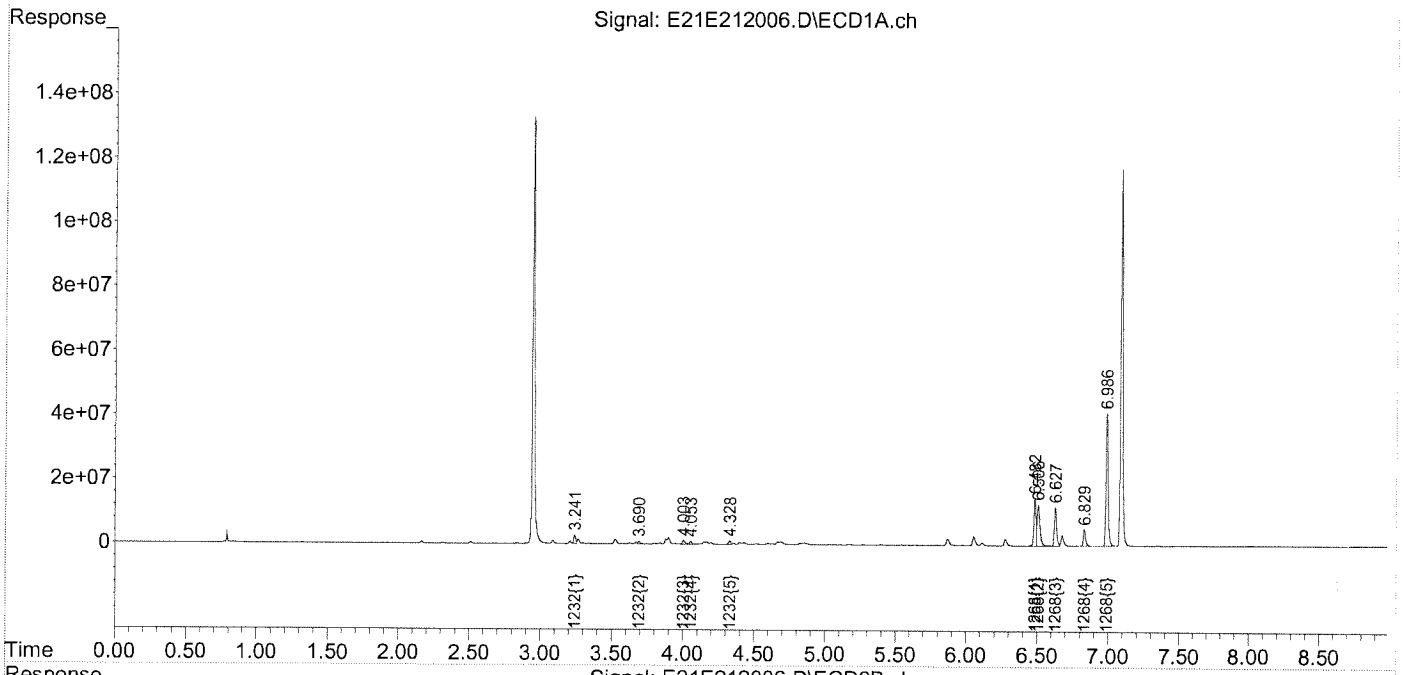


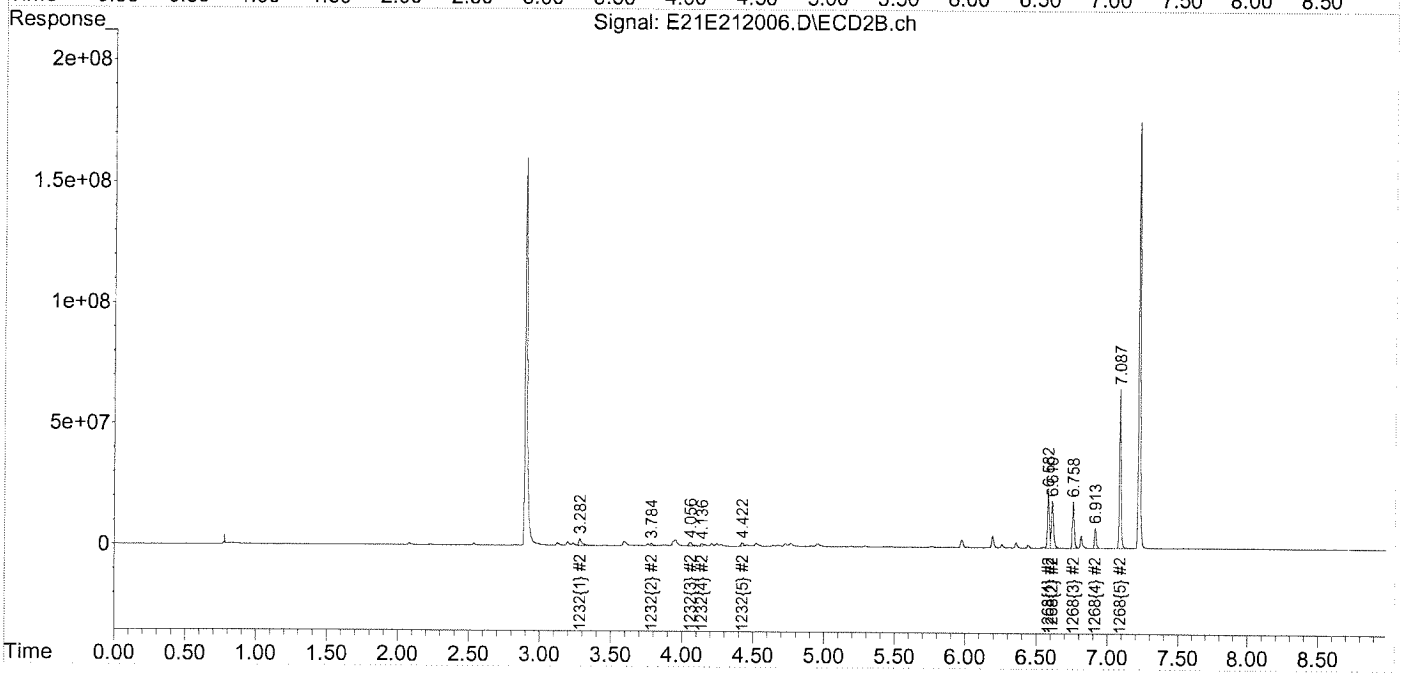
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 1:10 pm
Operator : JMB
Sample : 1232/1268 100 2106535 Inst : ECD 5
Misc : mix[13,19]
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 31 13:44:39 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



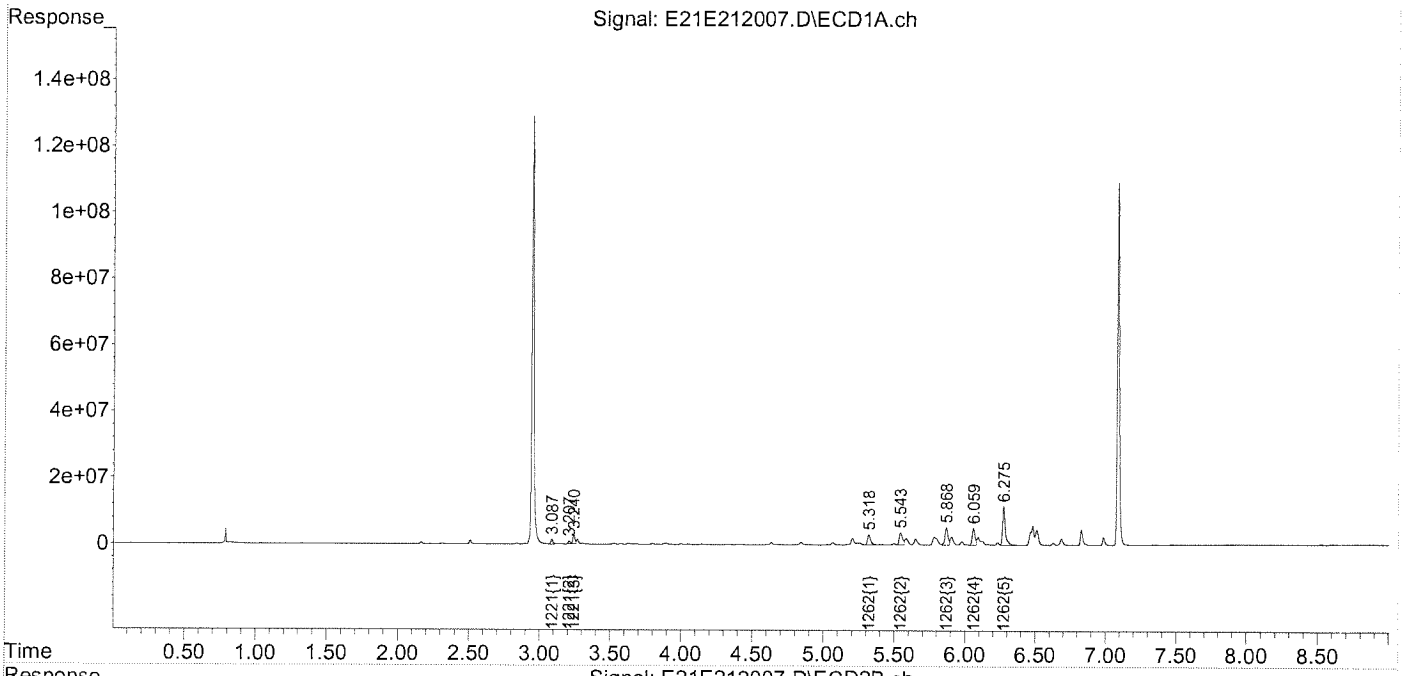


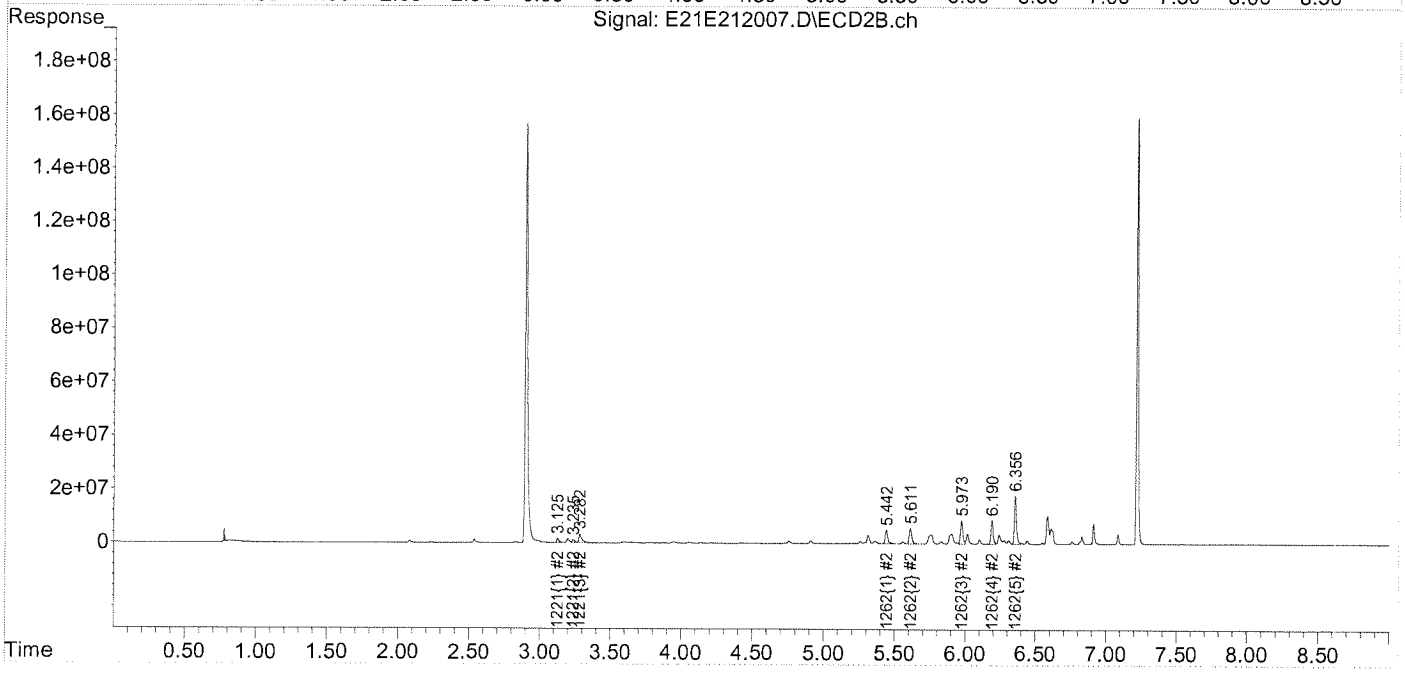
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 1:22 pm
Operator : JMB
Sample : 1221/1262 100 2106673 Inst : ECD 5
Misc : mix[l2,l8]
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 31 13:44:43 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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A Pace Analytical® Laboratory

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

March 8, 2021

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

Project Location: 52 Institute Road, Burlington, VT
Client Job Number:
Project Number: 280BS01563 Phase 012
Laboratory Work Order Number: 21B0947

Enclosed are results of analyses for samples received by the laboratory on February 23, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michelle M. Koch
Project Manager

Table of Contents

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A Pace Analytical® Laboratory

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: Jesse Stratton

REPORT DATE: 3/8/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Phase 012

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21B0947

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

PROJECT LOCATION: 52 Institute Road, Burlington, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
212202.A126.123-1016	21B0947-01	Product/Solid		SW-846 8082A	
212202.A93.123-1019	21B0947-02	Product/Solid		SW-846 8082A	
212202.A93.123-1022	21B0947-03	Product/Solid		SW-846 8082A	
212202.A97.123-1025	21B0947-04	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.

REVISED REPORT - per client corrected sample ID -01 3/8/21

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.

Michelle M. Koch
Project Manager

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

Project Location: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21B0947

Date Received: 2/23/2021

Field Sample #: 212202.A126.123-1016 Sampled: 2/22/2021 08:39

Sample ID: 21B0947-01

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 [2]	ND	0.77	mg/Kg	10		SW-846 8082A	2/25/21	2/28/21 14:01	JMB
Aroclor-1221 [2]	ND	0.77	mg/Kg	10		SW-846 8082A	2/25/21	2/28/21 14:01	JMB
Aroclor-1232 [2]	ND	0.77	mg/Kg	10		SW-846 8082A	2/25/21	2/28/21 14:01	JMB
Aroclor-1242 [2]	ND	0.77	mg/Kg	10		SW-846 8082A	2/25/21	2/28/21 14:01	JMB
Aroclor-1248 [2]	ND	0.77	mg/Kg	10		SW-846 8082A	2/25/21	2/28/21 14:01	JMB
Aroclor-1254 [2]	4.8	0.77	mg/Kg	10		SW-846 8082A	2/25/21	2/28/21 14:01	JMB
Aroclor-1260 [2]	ND	0.77	mg/Kg	10		SW-846 8082A	2/25/21	2/28/21 14:01	JMB
Aroclor-1262 [2]	ND	0.77	mg/Kg	10		SW-846 8082A	2/25/21	2/28/21 14:01	JMB
Aroclor-1268 [2]	ND	0.77	mg/Kg	10		SW-846 8082A	2/25/21	2/28/21 14:01	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.9	30-150		2/28/21 14:01
Decachlorobiphenyl [2]	100	30-150		2/28/21 14:01
Tetrachloro-m-xylene [1]	95.0	30-150		2/28/21 14:01
Tetrachloro-m-xylene [2]	100	30-150		2/28/21 14:01

con-test®
A Pace Analytical® Laboratory

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

Project Location: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21B0947

Date Received: 2/23/2021

Field Sample #: 212202.A93.123-1019 Sampled: 2/22/2021 09:38

Sample ID: 21B0947-02

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 [2]	ND	0.40	mg/Kg	5		SW-846 8082A	2/25/21	2/28/21 14:19	JMB
Aroclor-1221 [2]	ND	0.40	mg/Kg	5		SW-846 8082A	2/25/21	2/28/21 14:19	JMB
Aroclor-1232 [2]	ND	0.40	mg/Kg	5		SW-846 8082A	2/25/21	2/28/21 14:19	JMB
Aroclor-1242 [2]	ND	0.40	mg/Kg	5		SW-846 8082A	2/25/21	2/28/21 14:19	JMB
Aroclor-1248 [2]	ND	0.40	mg/Kg	5		SW-846 8082A	2/25/21	2/28/21 14:19	JMB
Aroclor-1254 [2]	2.5	0.40	mg/Kg	5		SW-846 8082A	2/25/21	2/28/21 14:19	JMB
Aroclor-1260 [2]	ND	0.40	mg/Kg	5		SW-846 8082A	2/25/21	2/28/21 14:19	JMB
Aroclor-1262 [2]	ND	0.40	mg/Kg	5		SW-846 8082A	2/25/21	2/28/21 14:19	JMB
Aroclor-1268 [2]	ND	0.40	mg/Kg	5		SW-846 8082A	2/25/21	2/28/21 14:19	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.5	30-150		2/28/21 14:19
Decachlorobiphenyl [2]	98.7	30-150		2/28/21 14:19
Tetrachloro-m-xylene [1]	86.6	30-150		2/28/21 14:19
Tetrachloro-m-xylene [2]	89.9	30-150		2/28/21 14:19

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

Project Location: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21B0947

Date Received: 2/23/2021

Field Sample #: 212202.A93.123-1022 Sampled: 2/22/2021 10:21

Sample ID: 21B0947-03

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 [2]	ND	1.4	mg/Kg	20		SW-846 8082A	2/25/21	2/28/21 14:36	JMB
Aroclor-1221 [2]	ND	1.4	mg/Kg	20		SW-846 8082A	2/25/21	2/28/21 14:36	JMB
Aroclor-1232 [2]	ND	1.4	mg/Kg	20		SW-846 8082A	2/25/21	2/28/21 14:36	JMB
Aroclor-1242 [2]	ND	1.4	mg/Kg	20		SW-846 8082A	2/25/21	2/28/21 14:36	JMB
Aroclor-1248 [2]	ND	1.4	mg/Kg	20		SW-846 8082A	2/25/21	2/28/21 14:36	JMB
Aroclor-1254 [2]	7.7	1.4	mg/Kg	20		SW-846 8082A	2/25/21	2/28/21 14:36	JMB
Aroclor-1260 [2]	ND	1.4	mg/Kg	20		SW-846 8082A	2/25/21	2/28/21 14:36	JMB
Aroclor-1262 [2]	ND	1.4	mg/Kg	20		SW-846 8082A	2/25/21	2/28/21 14:36	JMB
Aroclor-1268 [2]	ND	1.4	mg/Kg	20		SW-846 8082A	2/25/21	2/28/21 14:36	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		2/28/21 14:36
Decachlorobiphenyl [2]	104	30-150		2/28/21 14:36
Tetrachloro-m-xylene [1]	90.1	30-150		2/28/21 14:36
Tetrachloro-m-xylene [2]	95.9	30-150		2/28/21 14:36

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Project Location: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21B0947

Date Received: 2/23/2021

Field Sample #: 212202.A97.123-1025 Sampled: 2/22/2021 11:22

Sample ID: 21B0947-04

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	0.46	mg/Kg	5		SW-846 8082A	2/25/21	3/1/21 7:21	JMB
Aroclor-1221 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	2/25/21	3/1/21 7:21	JMB
Aroclor-1232 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	2/25/21	3/1/21 7:21	JMB
Aroclor-1242 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	2/25/21	3/1/21 7:21	JMB
Aroclor-1248 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	2/25/21	3/1/21 7:21	JMB
Aroclor-1254 [2]	3.3	0.46	mg/Kg	5		SW-846 8082A	2/25/21	3/1/21 7:21	JMB
Aroclor-1260 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	2/25/21	3/1/21 7:21	JMB
Aroclor-1262 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	2/25/21	3/1/21 7:21	JMB
Aroclor-1268 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	2/25/21	3/1/21 7:21	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	96.7	30-150		3/1/21 7:21	
Decachlorobiphenyl [2]	105	30-150		3/1/21 7:21	
Tetrachloro-m-xylene [1]	71.0	30-150		3/1/21 7:21	
Tetrachloro-m-xylene [2]	77.8	30-150		3/1/21 7:21	

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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
21B0947-01 [212202.A126.123-1016]	B277051	2.60	10.0	02/25/21
21B0947-02 [212202.A93.123-1019]	B277051	2.51	10.0	02/25/21
21B0947-03 [212202.A93.123-1022]	B277051	2.83	10.0	02/25/21
21B0947-04 [212202.A97.123-1025]	B277051	2.16	10.0	02/25/21

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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 B277051 - SW-846 3540C										
Blank (B277051-BLK1)				Prepared: 02/25/21 Analyzed: 02/28/21						
Aroclor-1016	ND	0.093	mg/Kg							
Aroclor-1016 [2C]	ND	0.093	mg/Kg							
Aroclor-1221	ND	0.093	mg/Kg							
Aroclor-1221 [2C]	ND	0.093	mg/Kg							
Aroclor-1232	ND	0.093	mg/Kg							
Aroclor-1232 [2C]	ND	0.093	mg/Kg							
Aroclor-1242	ND	0.093	mg/Kg							
Aroclor-1242 [2C]	ND	0.093	mg/Kg							
Aroclor-1248	ND	0.093	mg/Kg							
Aroclor-1248 [2C]	ND	0.093	mg/Kg							
Aroclor-1254	ND	0.093	mg/Kg							
Aroclor-1254 [2C]	ND	0.093	mg/Kg							
Aroclor-1260	ND	0.093	mg/Kg							
Aroclor-1260 [2C]	ND	0.093	mg/Kg							
Aroclor-1262	ND	0.093	mg/Kg							
Aroclor-1262 [2C]	ND	0.093	mg/Kg							
Aroclor-1268	ND	0.093	mg/Kg							
Aroclor-1268 [2C]	ND	0.093	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.906*		mg/Kg	0.935		97.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.973*		mg/Kg	0.935		104	30-150			
Surrogate: Tetrachloro-m-xylene	*0.858*		mg/Kg	0.935		91.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.890*		mg/Kg	0.935		95.3	30-150			
LCS (B277051-BS1)				Prepared: 02/25/21 Analyzed: 02/28/21						
Aroclor-1016	0.68	0.082	mg/Kg	0.816		83.3	40-140			
Aroclor-1016 [2C]	0.73	0.082	mg/Kg	0.816		89.9	40-140			
Aroclor-1260	0.66	0.082	mg/Kg	0.816		80.6	40-140			
Aroclor-1260 [2C]	0.69	0.082	mg/Kg	0.816		84.2	40-140			
Surrogate: Decachlorobiphenyl	*0.765*		mg/Kg	0.816		93.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.810*		mg/Kg	0.816		99.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.684*		mg/Kg	0.816		83.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.683*		mg/Kg	0.816		83.7	30-150			
LCS Dup (B277051-BSD1)				Prepared: 02/25/21 Analyzed: 02/28/21						
Aroclor-1016	0.74	0.088	mg/Kg	0.877		84.1	40-140	8.10	30	
Aroclor-1016 [2C]	0.77	0.088	mg/Kg	0.877		87.8	40-140	4.92	30	
Aroclor-1260	0.71	0.088	mg/Kg	0.877		81.2	40-140	7.98	30	
Aroclor-1260 [2C]	0.73	0.088	mg/Kg	0.877		83.0	40-140	5.78	30	
Surrogate: Decachlorobiphenyl	*0.830*		mg/Kg	0.877		94.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.866*		mg/Kg	0.877		98.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.737*		mg/Kg	0.877		84.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.731*		mg/Kg	0.877		83.3	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

212202.A126.123.-1016

Lab Sample ID: 21B0947-01 Date(s) Analyzed: 02/28/2021 02/28/2021

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-1254	1	0.000	0.000	0.000	4.4	
	2	0.000	0.000	0.000	4.8	8.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

212202.A93.123-1019

Lab Sample ID: 21B0947-02 Date(s) Analyzed: 02/28/2021 02/28/2021

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-1254	1	0.000	0.000	0.000	2.4	
	2	0.000	0.000	0.000	2.5	4.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

212202.A93.123-1022

Lab Sample ID: 21B0947-03 Date(s) Analyzed: 02/28/2021 02/28/2021

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-1254	1	0.000	0.000	0.000	7.4	
	2	0.000	0.000	0.000	7.7	4.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

212202.A97.123-1025

Lab Sample ID: 21B0947-04 Date(s) Analyzed: 03/01/2021 03/01/2021

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-1254	1	0.000	0.000	0.000	2.9	
	2	0.000	0.000	0.000	3.3	9.5

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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 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	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2021
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2021
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2021
FL	Florida Department of Health	E871027 NELAP	06/30/2021
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2021
ME	State of Maine	MA00100	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2021
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2021
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

21B0947

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

Page 1 of 3

Company Name: [illegible]
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980
Project Name: [illegible]
Project Location: 52 Institue Road, Burlington, Vermont
Project Number: 280BS01563 Phase 012
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: J. Adams, N. Amato, K. Paritz

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 ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

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 Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
1	212202.A126.123-1016	02/22/2021	0839	Grab	O	U		1				✓	✓
2	212202.A93.123-1019	02/22/2021	0938	Grab	O	U		1				✓	✓
3	212202.A93.123-1022	02/22/2021	1021	Grab	O	U		1				✓	✓
4	212202.A97.123-1025	02/22/2021	1122	Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS 12
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)

Relinquished by: (signature)	Date/Time:
[illegible]	2/22/21 1600
Received by: (signature)	Date/Time:
Bradley Clayton	2/22/21 1600
Relinquished by: (signature)	Date/Time:
GMM	2/23/21 1245
Received by: (signature)	Date/Time:
[illegible]	2/23/21 1245
Relinquished by: (signature)	Date/Time:
[illegible]	2/23/21 1445
Received by: (signature)	Date/Time:
[illegible]	2/23/21 1445
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:
Analyze samples ending in -1016, -1019, -1022, -1025. Hold all other samples until further notice

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab 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

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

con-test® ANALYTICAL LABORATORY

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 2/23/21 Time 1445

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

Direct from Sampling _____ Ambient _____ Melted Ice _____

By Gun # 3 Actual Temp - 2.0

Were samples within Temperature? 2-6°C T 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 Project T Analysis ID's T T Sampler Name 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	4
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:

PREPARATION BENCH SHEET

Analysis: 8082 Soxhlet MAY 72

B277051

Con-Test, a Pace Analytical Laboratory

Printed: 2/25/2021 10:05:01A

Prepared using: SW-846 3540C

Matrix: Product/Solid

Surrogate Solution
2102095 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

2.00

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
B277051-BLK1	Blank			AVF 2-26-21	BH1	2.14	10.0		1000	
B277051-BS1	LCS					2.45		1000	1000	
B277051-BSD1	LCS Dup					2.28		1000	1000	
21B0946-01	211802.D41.121-0993 4C	03/09/21	03/04/21			2.40			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21B0946-02	211802.D34.121-0996	03/09/21	03/04/21			2.56			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21B0946-03	211802.D24.121-0999	03/09/21	03/04/21			2.49			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21B0946-04	211802.D75.121-1002	03/09/21	03/04/21			2.17			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21B0947-01	212202.A126.123.-1016	03/09/21	03/08/21			2.60			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21B0947-02	212202.A93.123-1019	03/09/21	03/08/21		BH2	2.51			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21B0947-03	212202.A93.123-1022	03/09/21	03/08/21			2.83			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21B0947-04	212202.A97.123-1025	03/09/21	03/08/21			2.16			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21B0948-01	211902.B69.122-1004	03/09/21	03/05/21		BH1	2.71			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21B0948-02	211902.B24.122-1007	03/09/21	03/05/21			2.54			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor

(spk) (w)

MLB AJH 02/25/21
Spikedby/Witnessed By Date

MLB 2/25/21
Extracted By Date

loaded #5 2.28.21 JS

prepped by JS 2.27.21

C:\ELMNT\Print\bch_DEF_EXT.rpt

PREPARATION BENCH SHEET

Printed: 2/25/2021 10:05:01A

Analysis
8082 Soxhlet

B277051

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Matrix: Product/Solid

Surrogate Solution
2102095 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
21B0948-03	211902.B63.122-1010 4C	03/09/21	03/05/21	1		2.67	1		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21B0948-04	211902.B26.122-1013 1	03/09/21	03/05/21	1	1	2.27	1		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor

START:
STOP:
SPK Start Date/Time 2/25/21 13:52
WIT:
StopDate/Time 2/26/21 07:47

Standard ID#	Description	Manufacture Lot#
2011238	Distilled Solvent Hexanes:Acetone	2:1 Hexanes:Ace
2012341	Filter Paper (VWR 043) Fluted	A29495172
2101213	Filter Paper (VWR 121) 15.0cm	17184076
2101276	Methylene Chloride (200 L Drum)	EA354-US
2101426	Distilled Solvent - MeCl2	DCM/ACE
2102077	Sodium Sulfate (Drum 45.5kg)	0000256524
2102078	Hexanes	60311
2102079	Acetone	EA362-US

Spikedby/Witnessed By Date

Extracted By Date

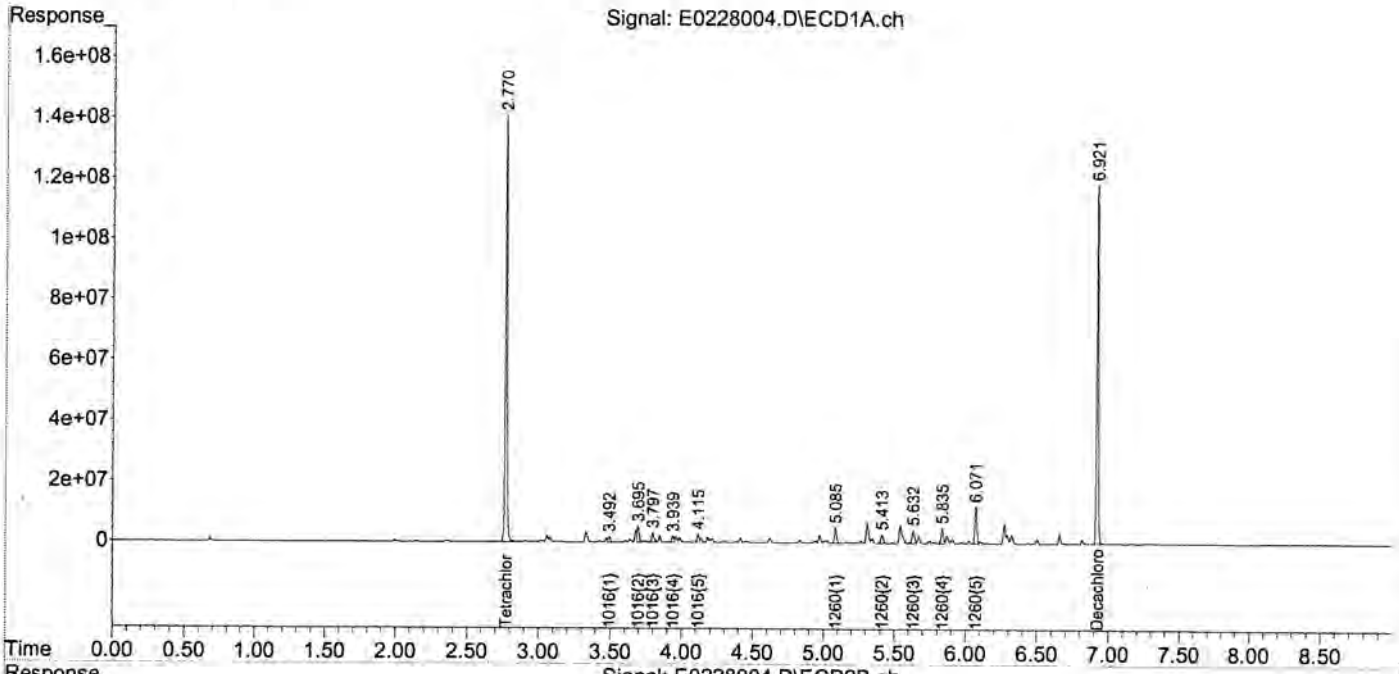
C:\ELMNT\Print\bch_DEF_EXT.rpt

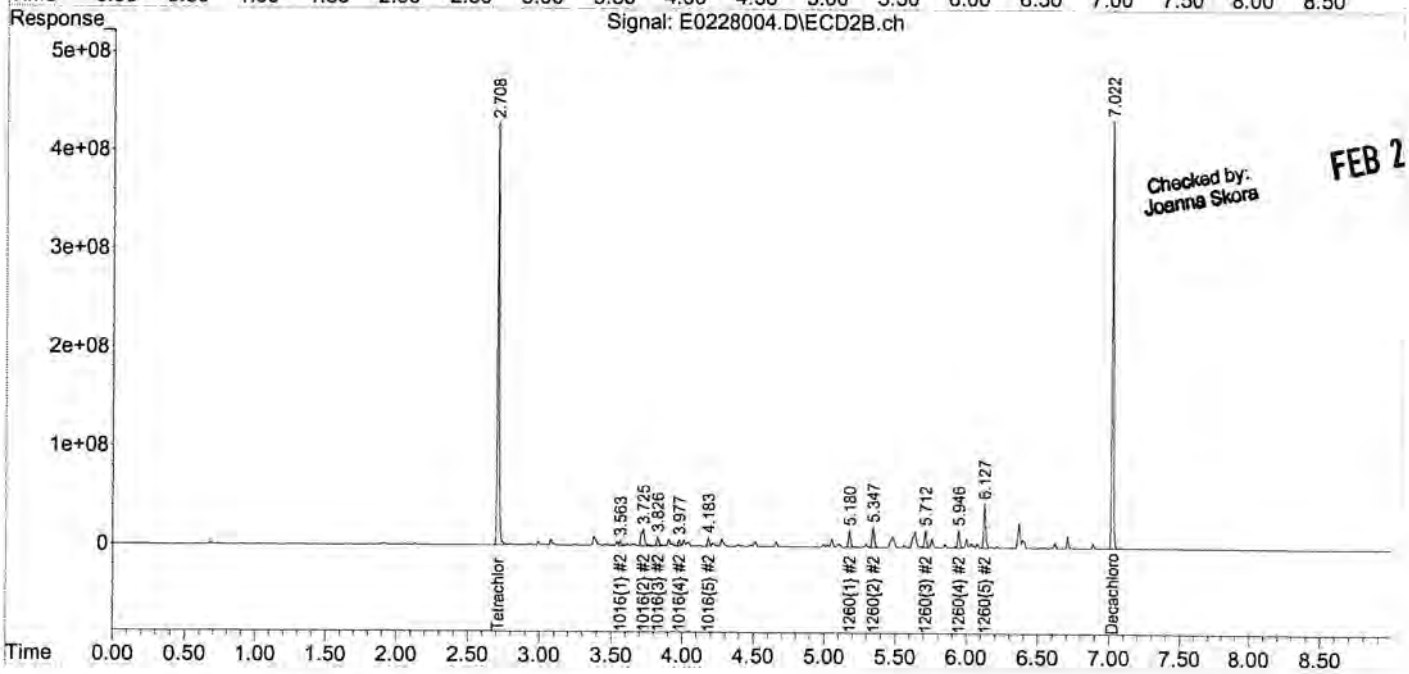
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\022821\
Data File : E0228004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Feb 2021 9:56 am
Operator : JMB
Sample : 1260/1016 100 Inst : ECD 5
Misc : STD 2102019
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 28 11:02:47 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-1260-022321C.M
Quant Title : 1260/1016 02/23/21 02/02/21 ICAL 2100056
QLast Update : Wed Feb 24 09:59:08 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





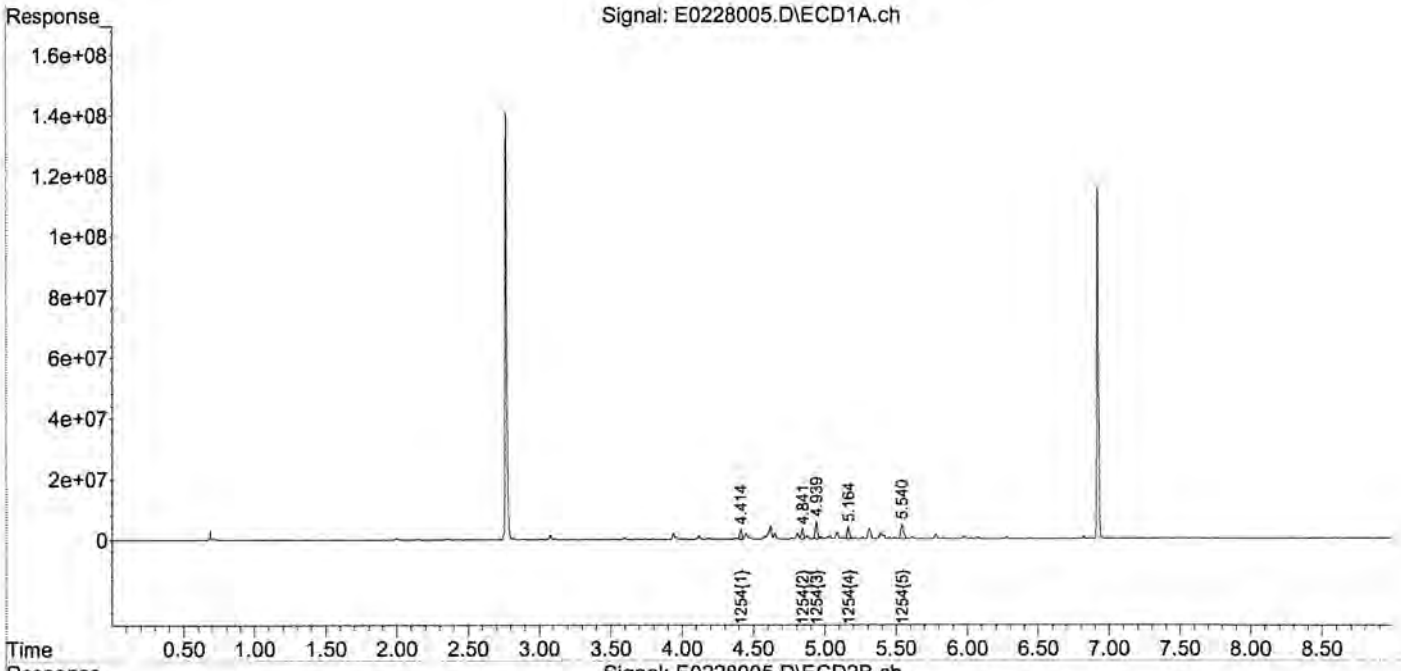
Checked by: Joanna Skora
FEB 2 8 2021

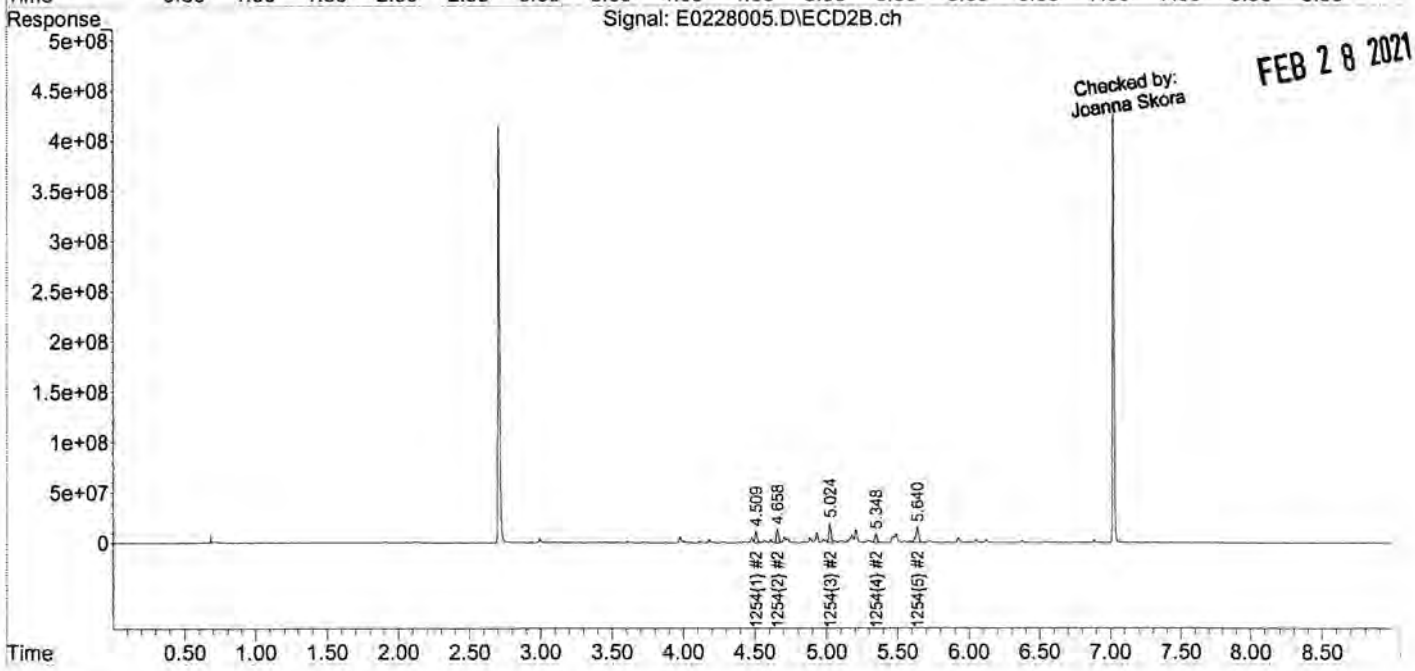
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\022821\
Data File : E0228005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Feb 2021 10:08 am
Operator : JMB
Sample : 1254 100 Inst : ECD 5
Misc : STD 2010265
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: 1254-F.E
Integration File signal 2: 1254-B.E
Quant Time: Feb 28 11:03:52 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-1254-022321C.M
Quant Title : 1254 02/23/21 10/16/20 ICAL 2100056
QLast Update : Wed Feb 24 10:00:35 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





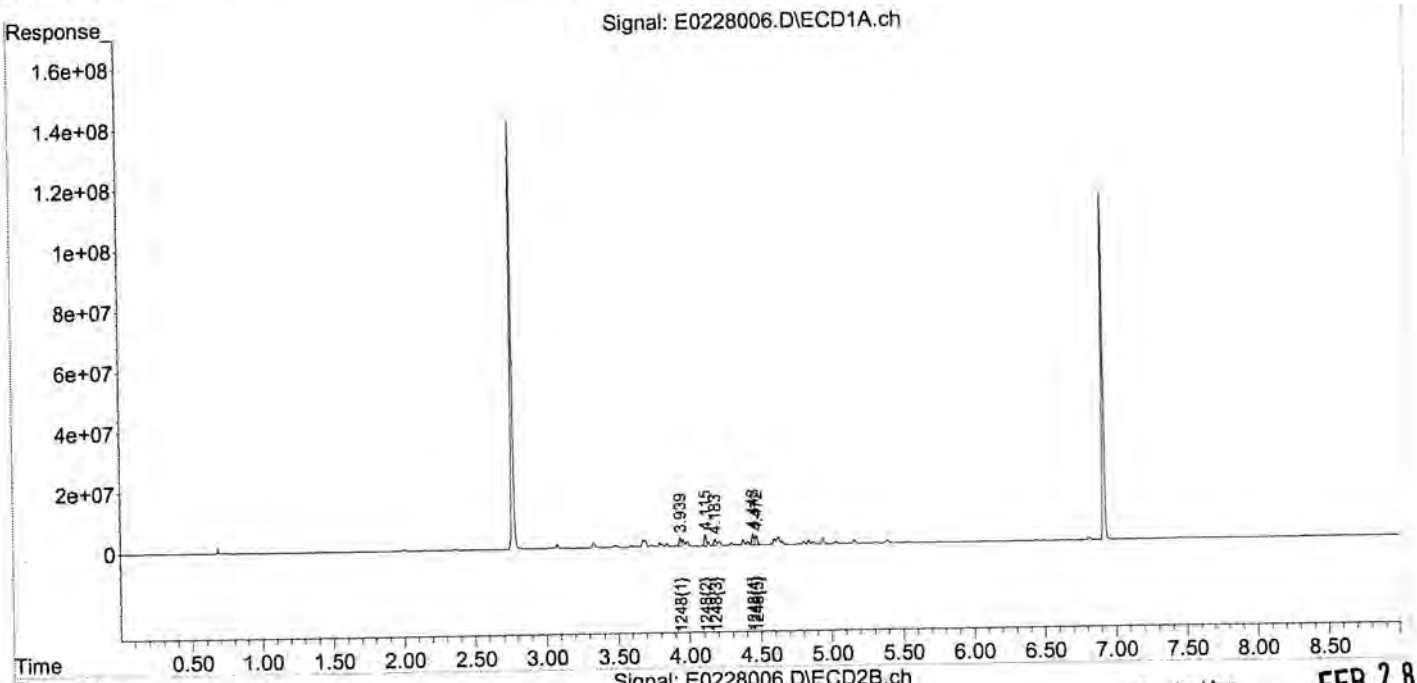
Checked by:
Joanna Skora
FEB 2 8 2021

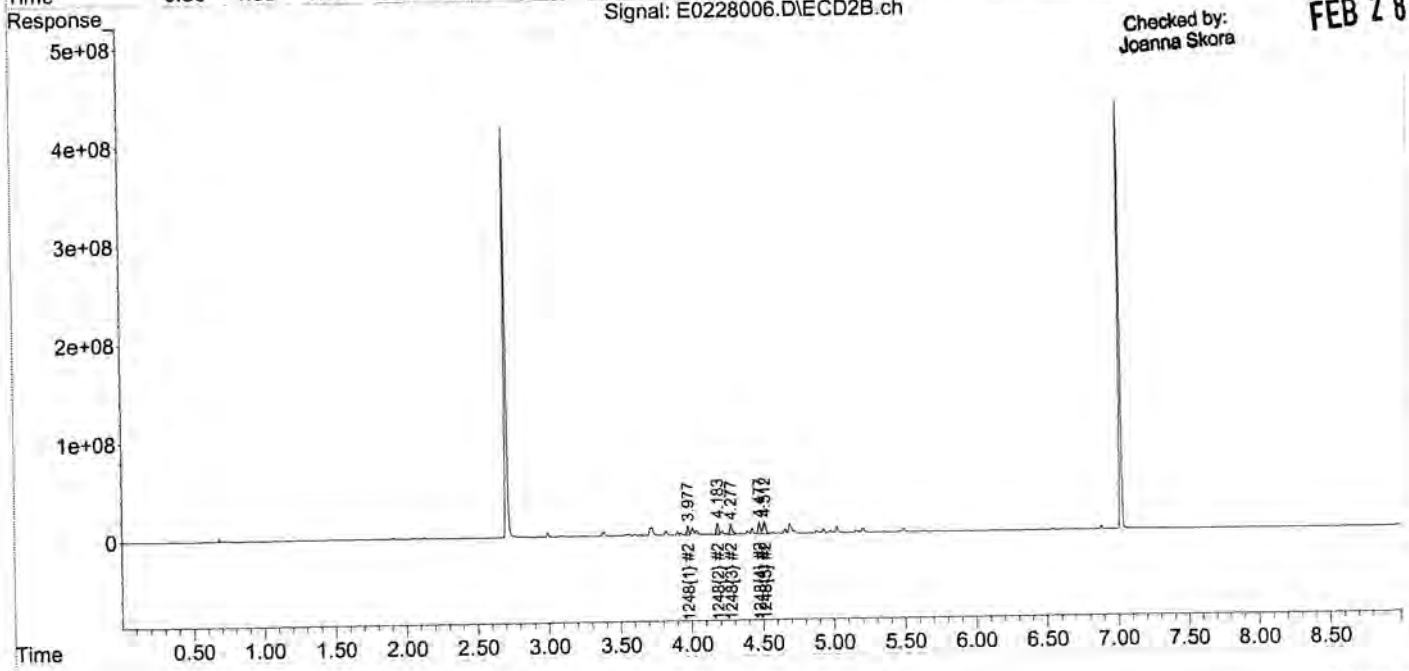
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\022821\
Data File : E0228006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Feb 2021 10:21 am
Operator : JMB
Inst : ECD 5
Sample : 1248 100
Misc : STD 2010210
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: 1248-F.E
Integration File signal 2: 1248-back.E
Quant Time: Feb 28 11:04:38 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-1248-022321C.M
Quant Title : 1248 02/23/21 10/14/20 ICAL 2100056
QLast Update : Wed Feb 24 10:02:56 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





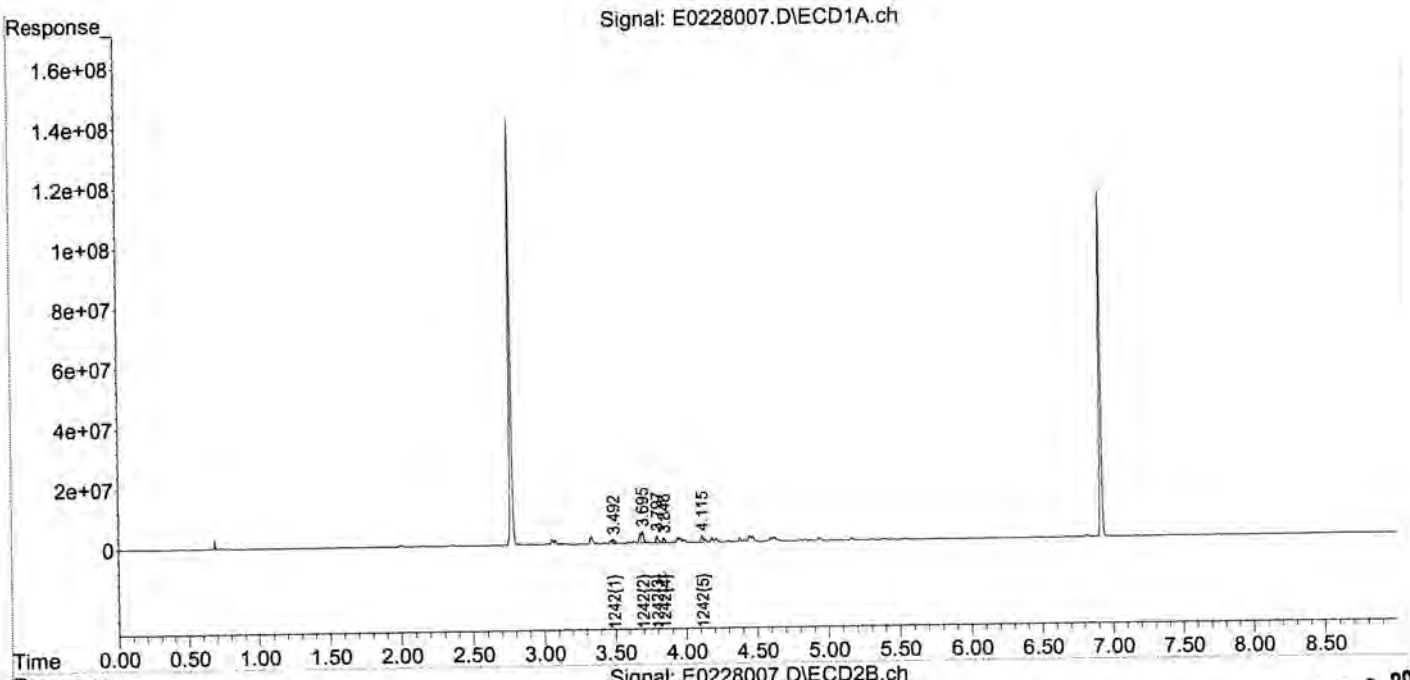
Checked by:
Joanna Skora
FEB 2 8 2021

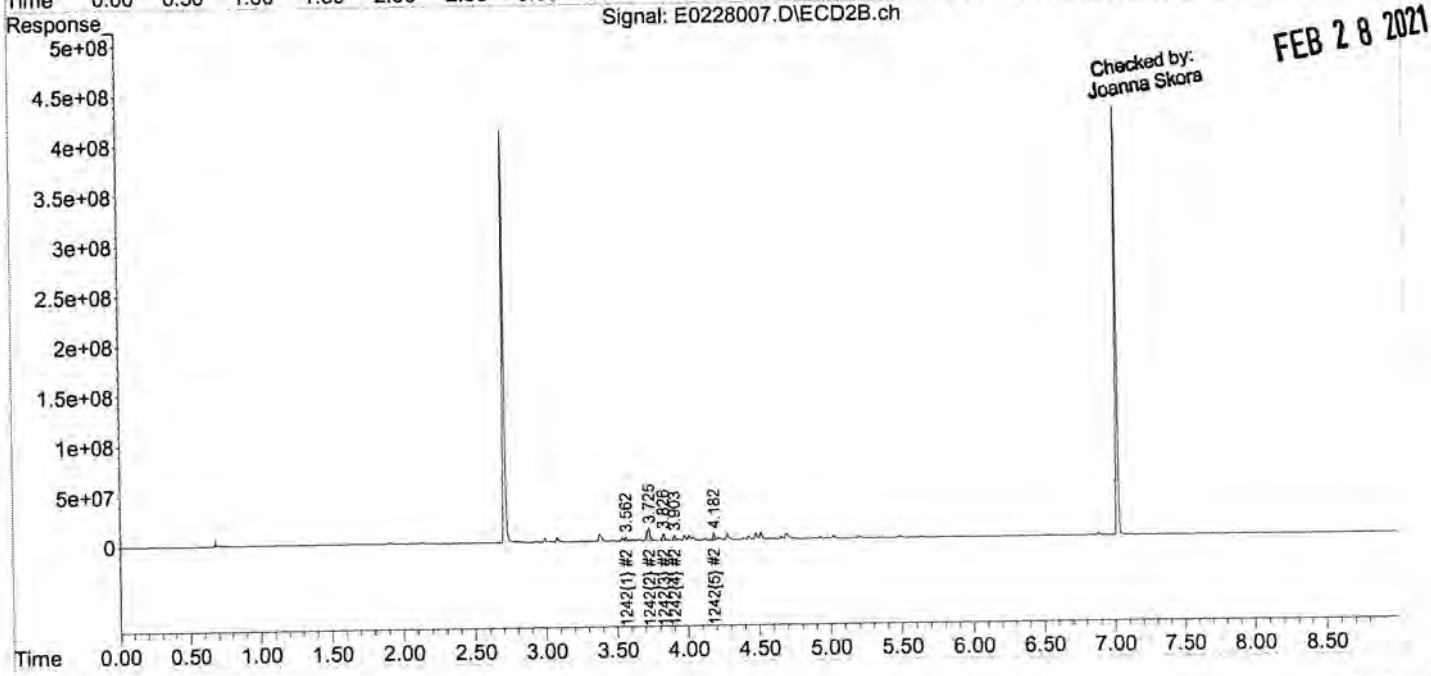
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\022821\
Data File : E0228007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Feb 2021 10:33 am
Operator : JMB
Sample : 1242 100 Inst : ECD 5
Misc : STD 2009334
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: 1242-front.E
Integration File signal 2: 1242-back.E
Quant Time: Feb 28 11:05:01 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-1242-022321C.M
Quant Title : 1242 02/23/21 09/28/20 ICAL 2100056
QLast Update : Wed Feb 24 10:06:35 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





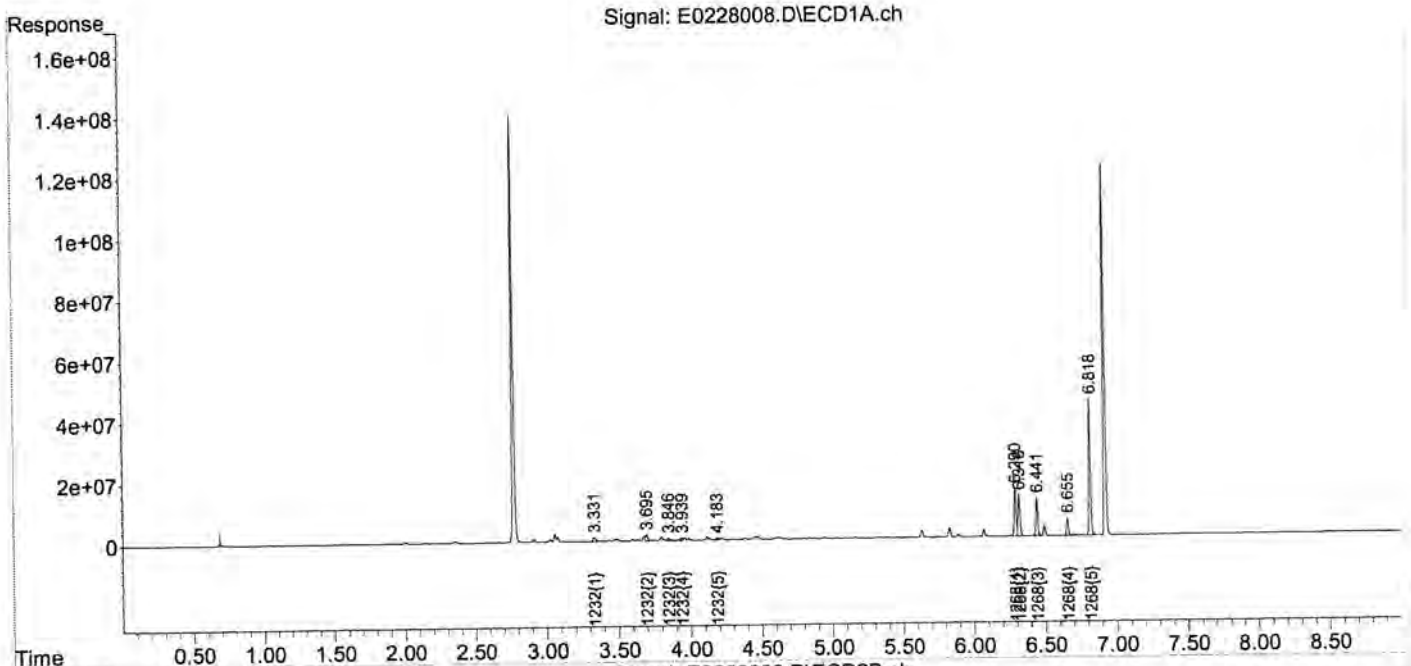
Checked by:
Joanna Skora
FEB 2 8 2021

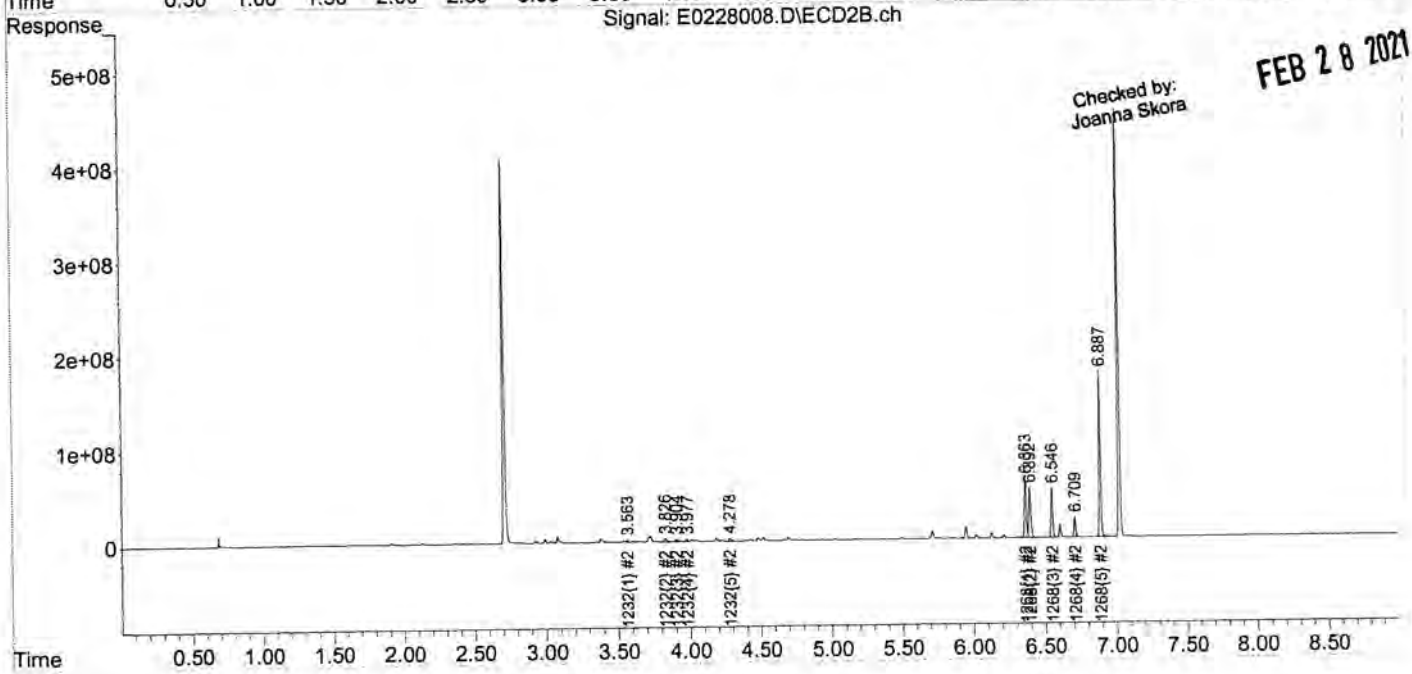
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\022821\
Data File : E0228008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Feb 2021 10:46 am
Operator : JMB
Sample : 1232/1268 100 Inst : ECD 5
Misc : STD 2012310
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: 1232-F.E
Integration File signal 2: 1232-B.E
Quant Time: Feb 28 11:05:45 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-1232-022321C.M
Quant Title : 1232/1268 02/23/21 12/22/20 ICAL 2100056
QLast Update : Wed Feb 24 10:09:26 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





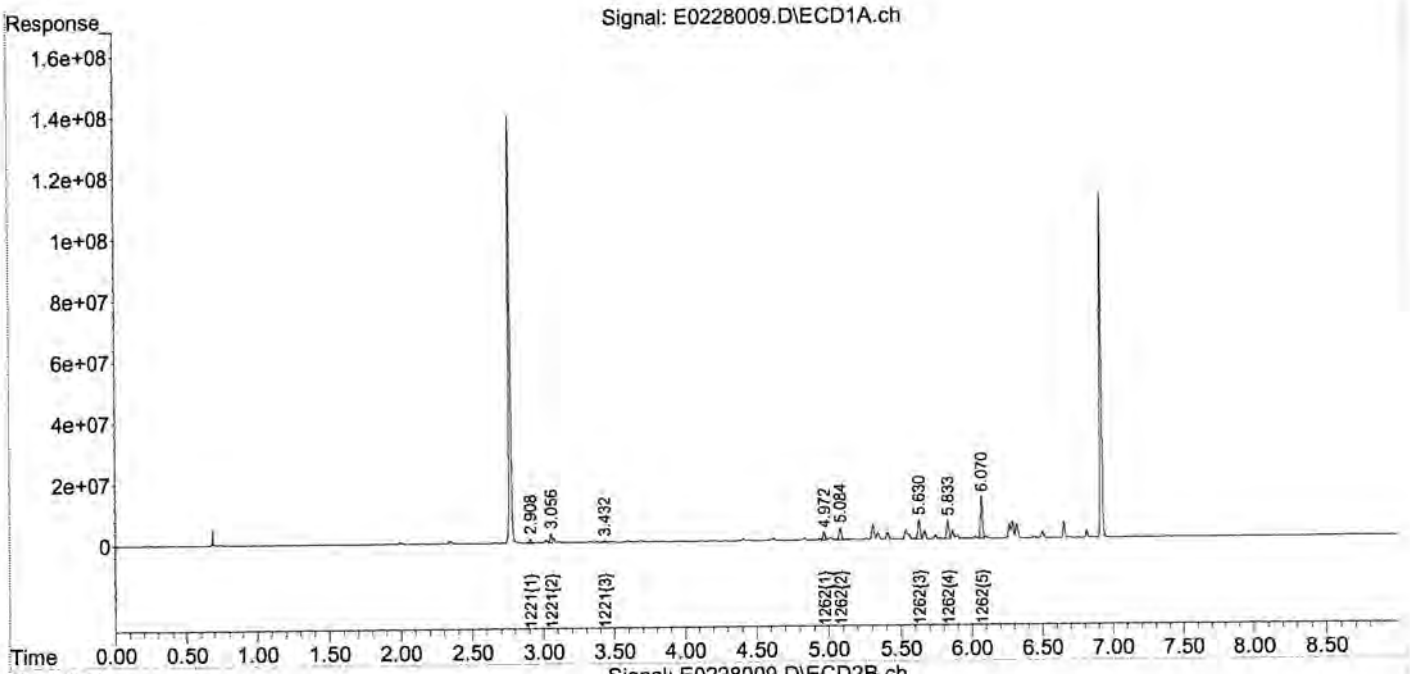
FEB 2 8 2021
Checked by:
Joanna Skora

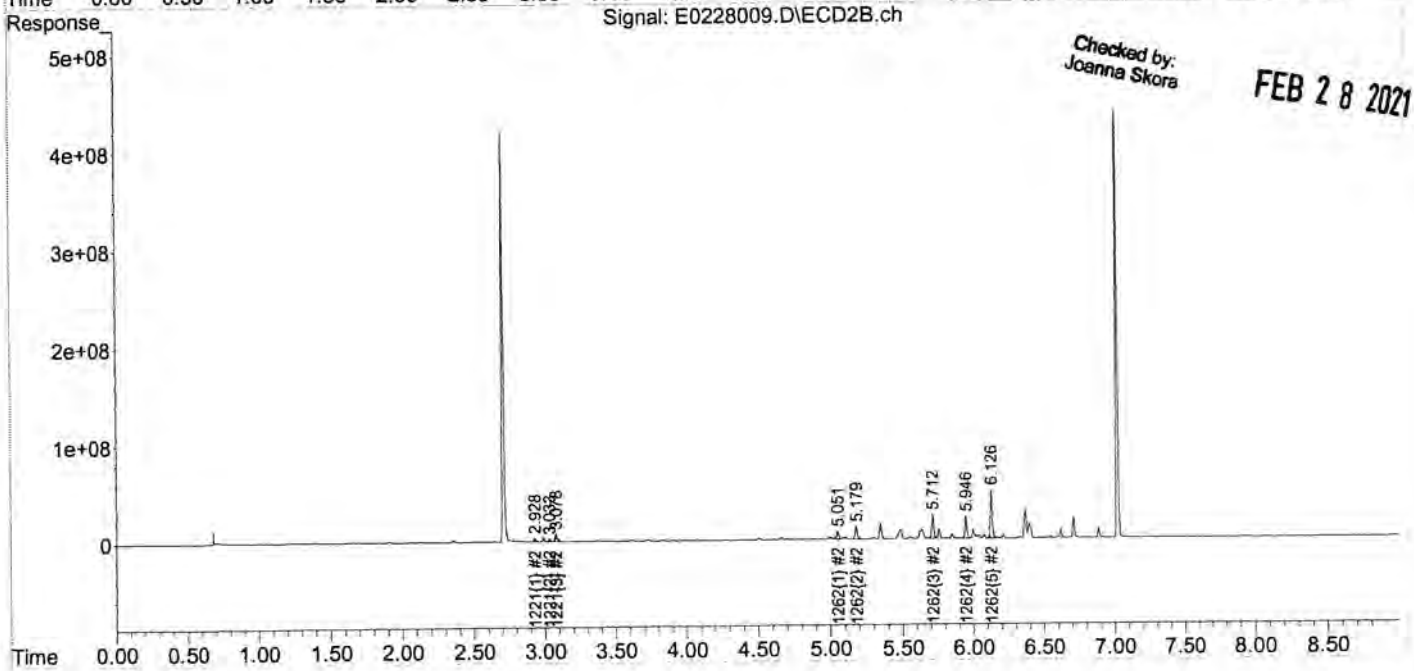
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\022821\
Data File : E0228009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Feb 2021 10:58 am
Operator : JMB
Sample : 1221/1262 100 Inst : ECD 5
Misc : STD 2012379
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: 1232-f.E
Integration File signal 2: 1221-b.E
Quant Time: Feb 28 11:09:10 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-1221-022321C.M
Quant Title : 1221/1262 02/23/21 12/29/20 ICAL 2100056
QLast Update : Wed Feb 24 10:12:17 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Checked by:
Joanna Skora
FEB 2 8 2021

Quantitation Report (Not Reviewed)

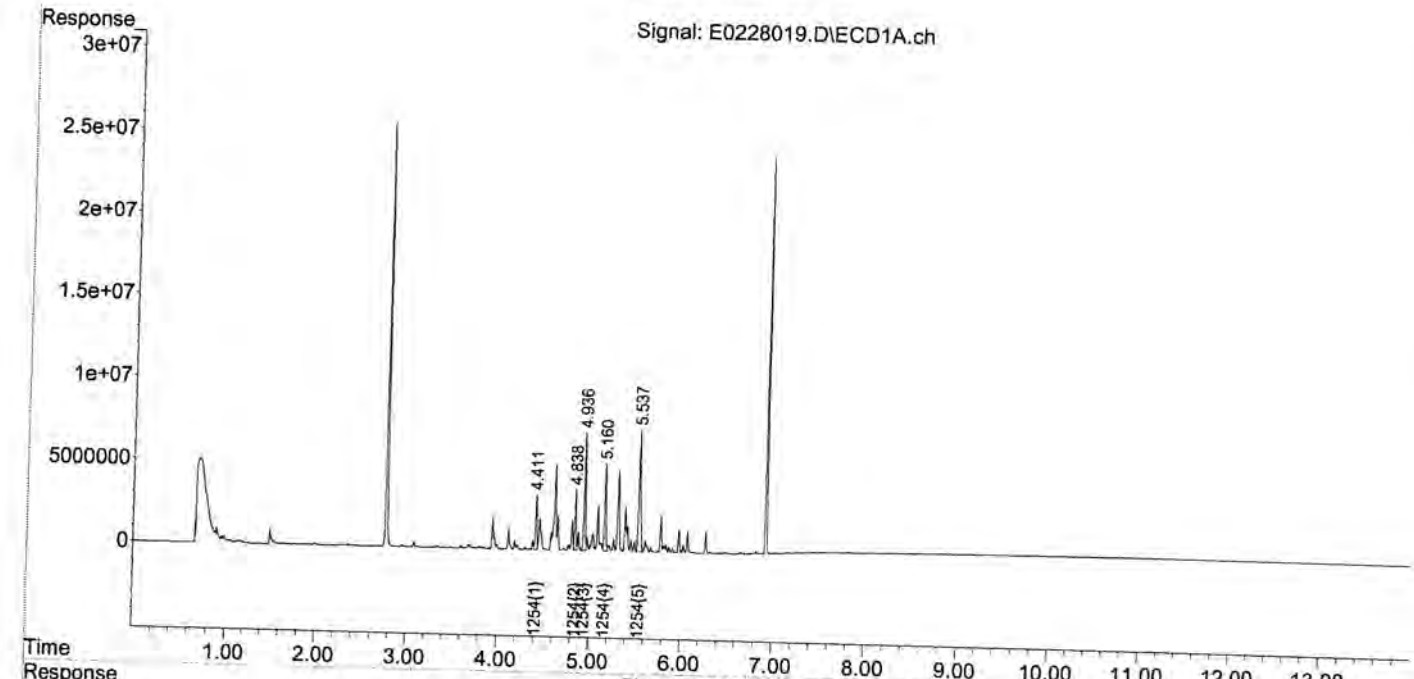
Data Path : C:\msdchem\1\data\022821\
Data File : E0228019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Feb 2021 2:01 pm
Operator : JMB
Sample : 21B0947-01@10X TBA
Misc :
ALS Vial : 19 Sample Multiplier: 1

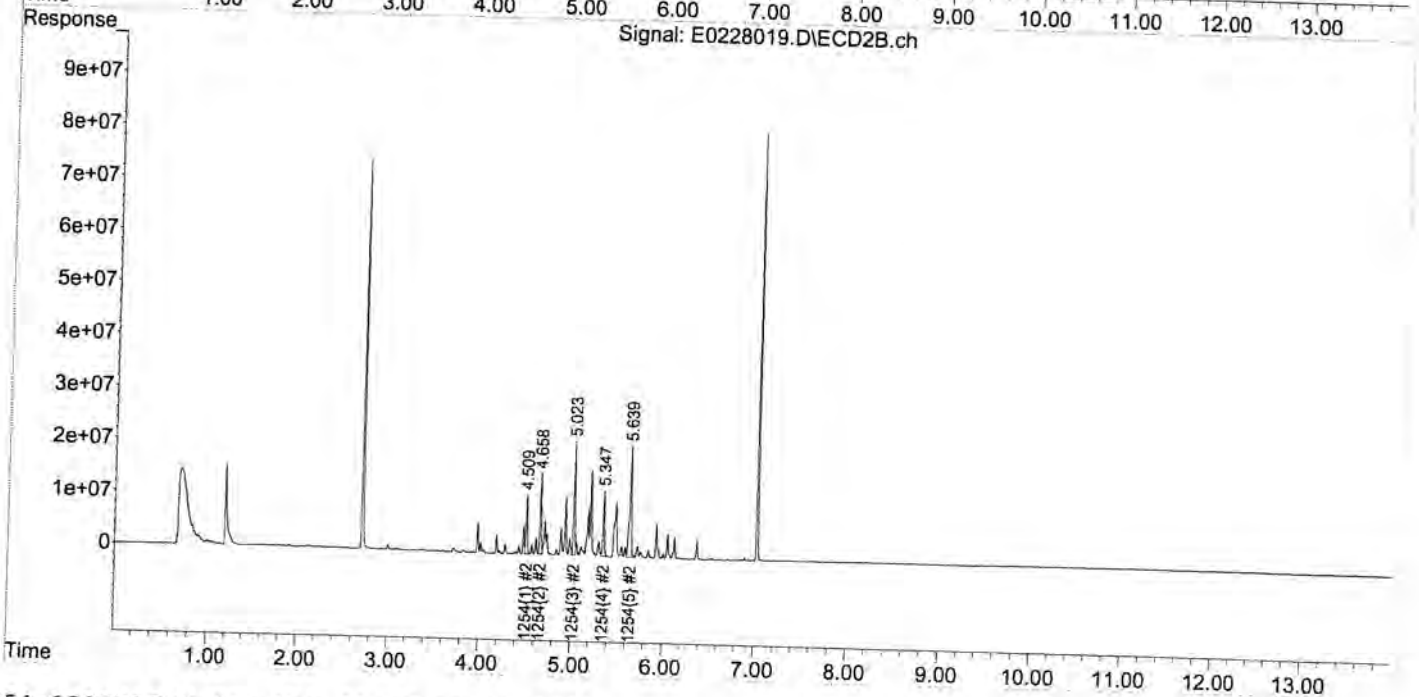
Inst : ECD 5

Integration File signal 1: 1254-F.E
Integration File signal 2: 1254-B.E
Quant Time: Mar 01 05:13:03 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-1254-022321C.M
Quant Title : 1254 02/23/21 10/16/20 ICAL 2100056
QLast Update : Wed Feb 24 10:00:35 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :

Signal #2 Phase:
Signal #2 Info :



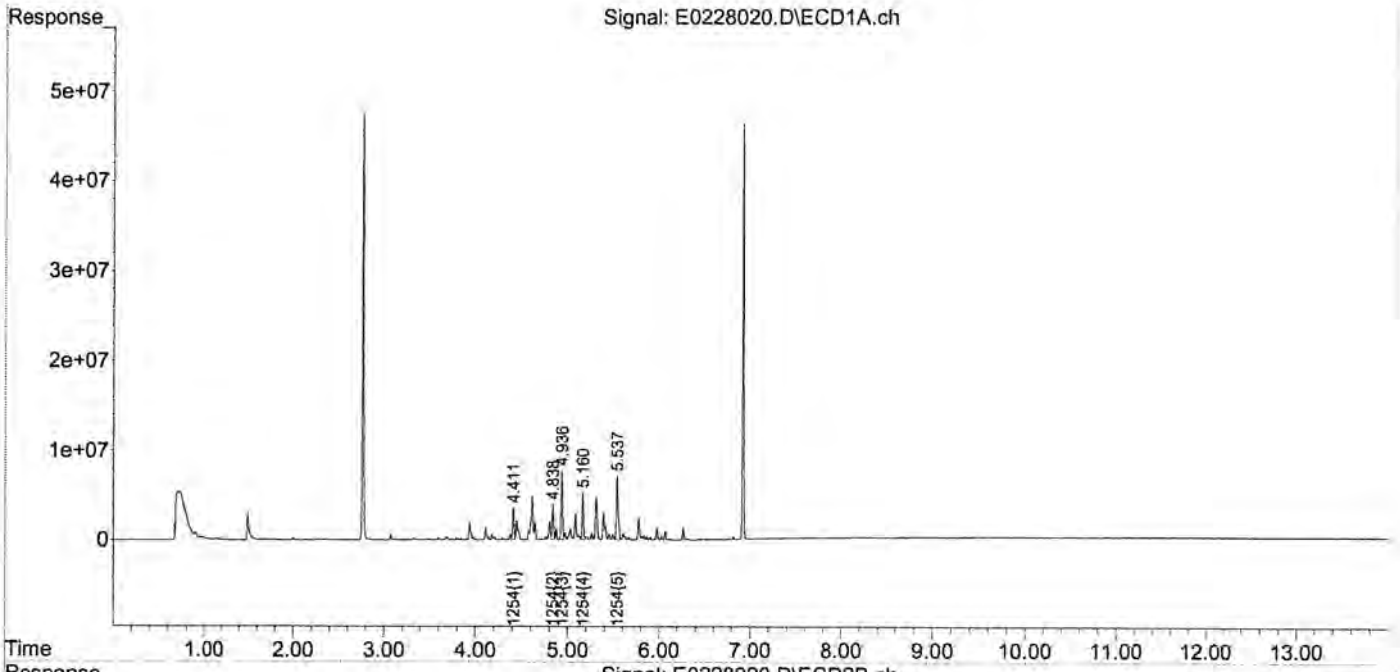


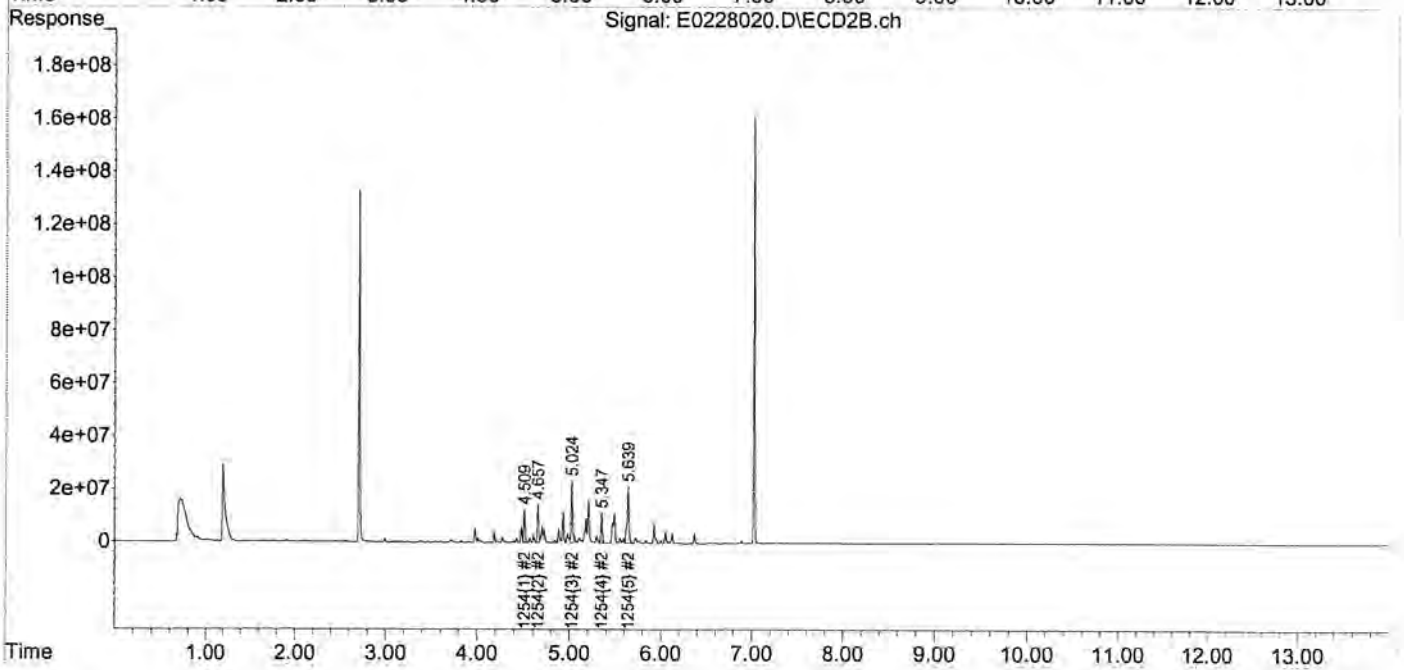
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\022821\
Data File : E0228020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Feb 2021 2:19 pm
Operator : JMB
Sample : 21B0947-02@5X TBA Inst : ECD 5
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: 1254-F.E
Integration File signal 2: 1254-B.E
Quant Time: Mar 01 05:13:06 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-1254-022321C.M
Quant Title : 1254 02/23/21 10/16/20 ICAL 2100056
QLast Update : Wed Feb 24 10:00:35 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



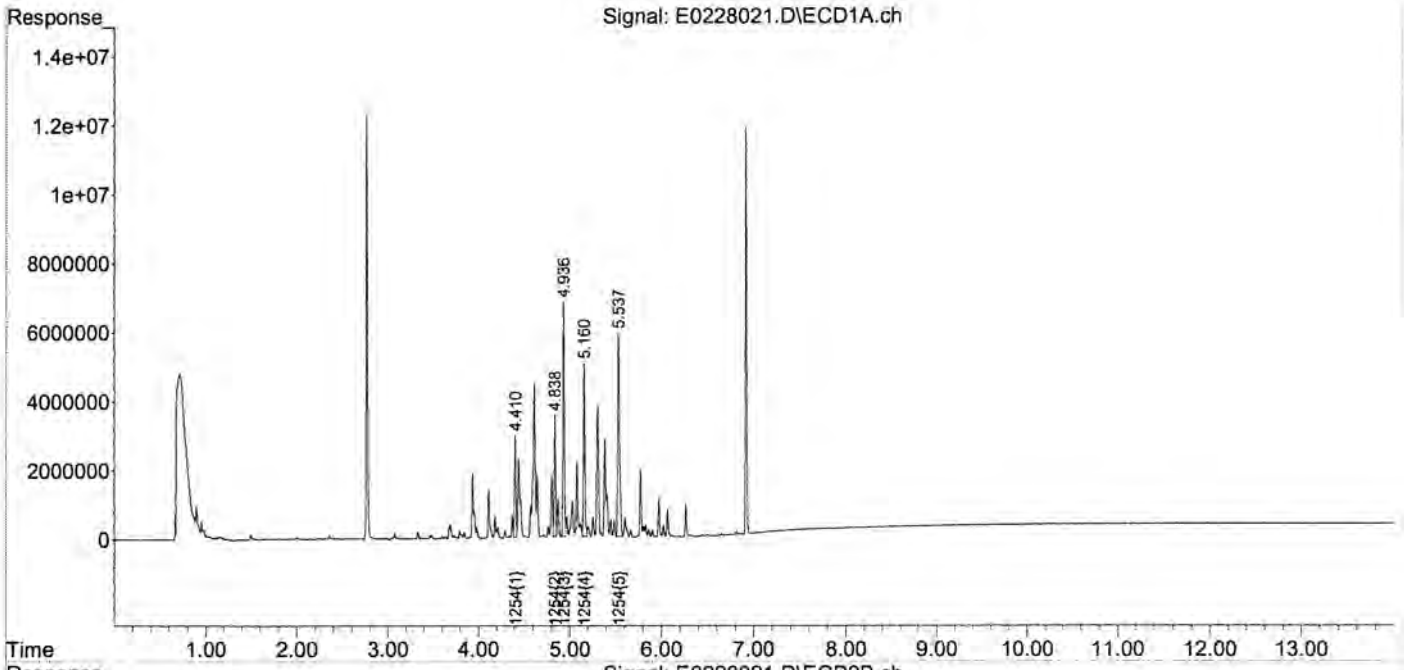


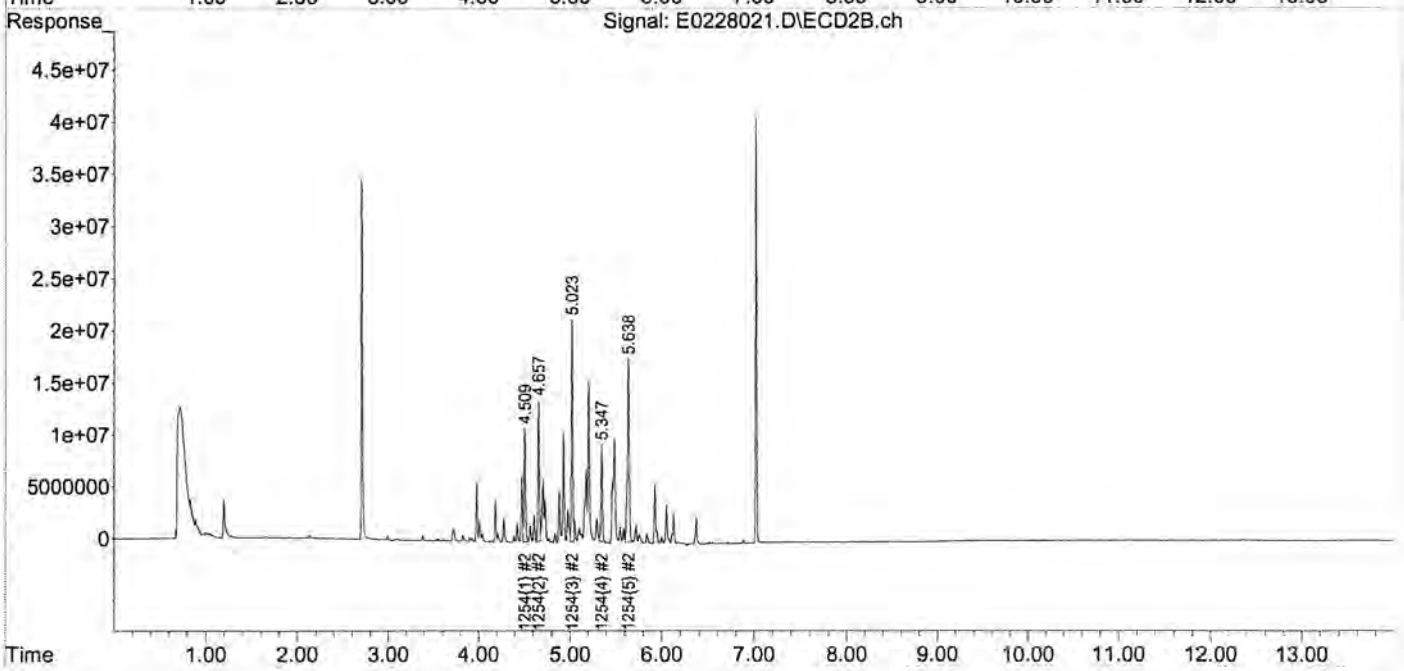
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\022821\
Data File : E0228021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Feb 2021 2:36 pm
Operator : JMB
Sample : 21B0947-03@20X TBA Inst : ECD 5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: 1254-F.E
Integration File signal 2: 1254-B.E
Quant Time: Mar 01 05:13:09 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-1254-022321C.M
Quant Title : 1254 02/23/21 10/16/20 ICAL 2100056
QLast Update : Wed Feb 24 10:00:35 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



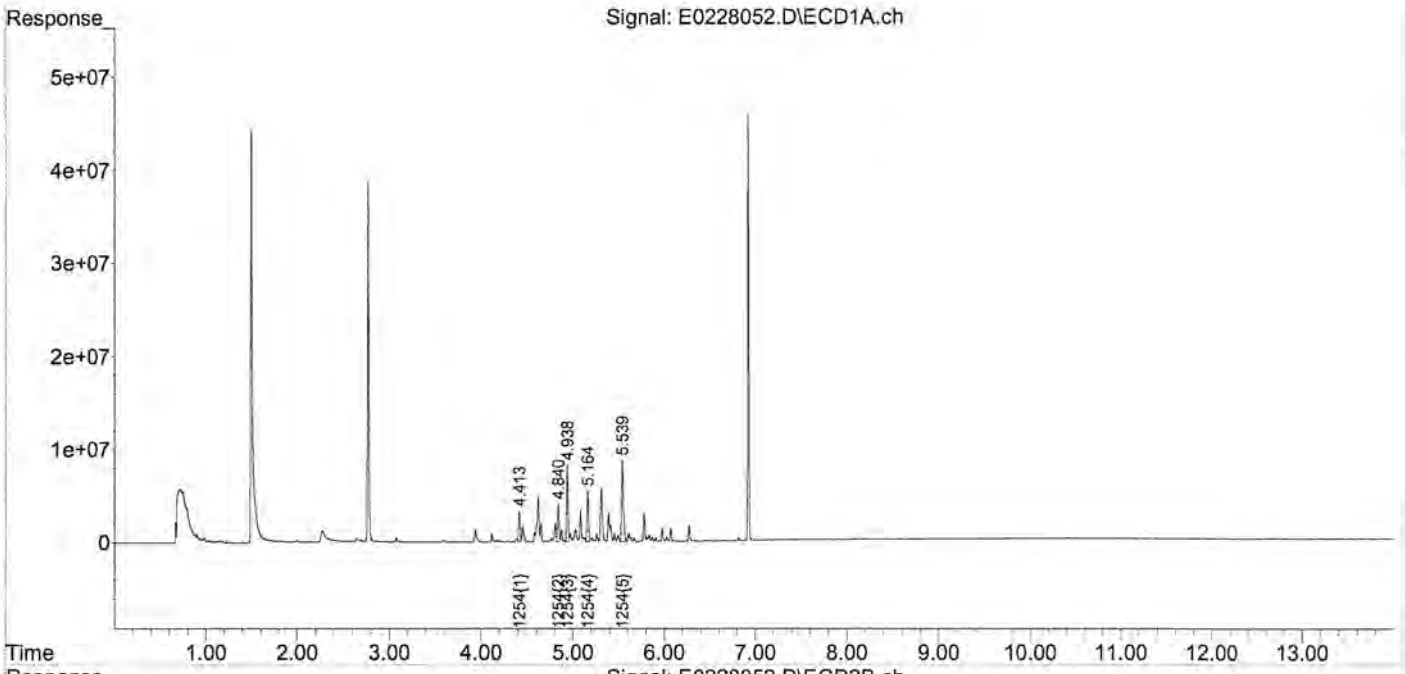


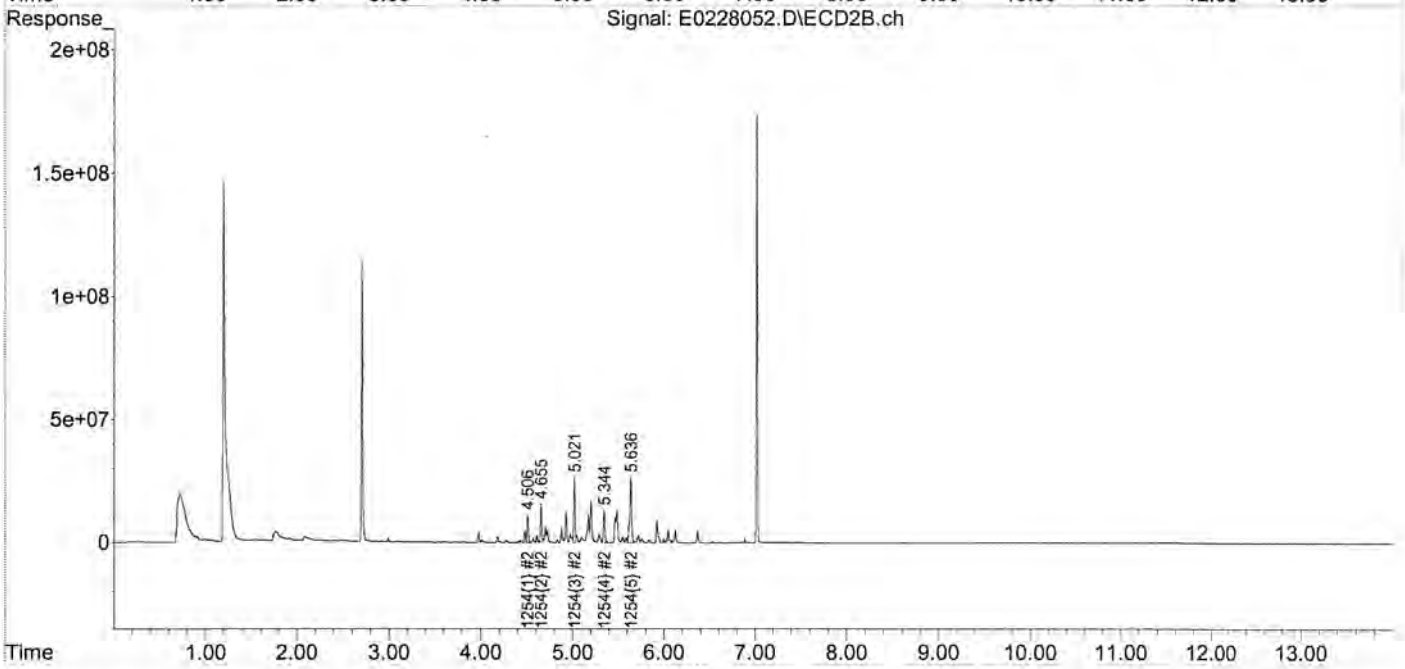
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\022821\
Data File : E0228052.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Mar 2021 7:21 am
Operator : JMB
Sample : 21B0947-04@5X TBA RR Inst : ECD 5
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: 1254-F.E
Integration File signal 2: 1254-B.E
Quant Time: Mar 01 07:37:54 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-1254-022321C.M
Quant Title : 1254 02/23/21 10/16/20 ICAL 2100056
QLast Update : Wed Feb 24 10:00:35 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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A Pace Analytical® Laboratory

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

March 8, 2021

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

Project Location: 52 Institute Road, Burlington, VT
Client Job Number:
Project Number: 280BS01563 Phase 012
Laboratory Work Order Number: 21B0953

Enclosed are results of analyses for samples received by the laboratory on February 23, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michelle M. Koch
Project Manager

Table of Contents

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A Pace Analytical® Laboratory

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: Jesse Stratton

REPORT DATE: 3/8/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Phase 012

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21B0953

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

PROJECT LOCATION: 52 Institute Road, Burlington, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
212202.A126.123-1018	21B0953-01	Product/Solid		SW-846 8082A	
212202.A93.123-1021	21B0953-02	Product/Solid		SW-846 8082A	
212202.A93.123-1024	21B0953-03	Product/Solid		SW-846 8082A	
212202.A97.123-1027	21B0953-04	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.

REVISED REPORT - revised sample ID for -03 per client 3/8/21

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.

Michelle M. Koch
Project Manager

con-test®
A Pace Analytical® Laboratory

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

Project Location: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21B0953

Date Received: 2/23/2021

Field Sample #: 212202.A126.123-1018 Sampled: 2/22/2021 08:53

Sample ID: 21B0953-01

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	0.093	mg/Kg	1		SW-846 8082A	3/1/21	3/5/21 1:35	SFM
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	3/1/21	3/5/21 1:35	SFM
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	3/1/21	3/5/21 1:35	SFM
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	3/1/21	3/5/21 1:35	SFM
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	3/1/21	3/5/21 1:35	SFM
Aroclor-1254 [2]	0.10	0.093	mg/Kg	1		SW-846 8082A	3/1/21	3/5/21 1:35	SFM
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	3/1/21	3/5/21 1:35	SFM
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	3/1/21	3/5/21 1:35	SFM
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	3/1/21	3/5/21 1:35	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	114	30-150		3/5/21	1:35
Decachlorobiphenyl [2]	119	30-150		3/5/21	1:35
Tetrachloro-m-xylene [1]	107	30-150		3/5/21	1:35
Tetrachloro-m-xylene [2]	110	30-150		3/5/21	1:35

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Project Location: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21B0953

Date Received: 2/23/2021

Field Sample #: 212202.A93.123-1021 Sampled: 2/22/2021 09:58

Sample ID: 21B0953-02

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	0.091	mg/Kg	1		SW-846 8082A	3/1/21	3/5/21 1:47	SFM
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	3/1/21	3/5/21 1:47	SFM
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	3/1/21	3/5/21 1:47	SFM
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	3/1/21	3/5/21 1:47	SFM
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	3/1/21	3/5/21 1:47	SFM
Aroclor-1254 [2]	0.13	0.091	mg/Kg	1		SW-846 8082A	3/1/21	3/5/21 1:47	SFM
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	3/1/21	3/5/21 1:47	SFM
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	3/1/21	3/5/21 1:47	SFM
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	3/1/21	3/5/21 1:47	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	102	30-150		3/5/21	1:47
Decachlorobiphenyl [2]	106	30-150		3/5/21	1:47
Tetrachloro-m-xylene [1]	96.2	30-150		3/5/21	1:47
Tetrachloro-m-xylene [2]	98.9	30-150		3/5/21	1:47

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Project Location: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21B0953

Date Received: 2/23/2021

Field Sample #: 212202.A93.123-1024 Sampled: 2/22/2021 10:40

Sample ID: 21B0953-03

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	0.45	mg/Kg	5		SW-846 8082A	3/1/21	3/5/21 1:59	SFM
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	3/1/21	3/5/21 1:59	SFM
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	3/1/21	3/5/21 1:59	SFM
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	3/1/21	3/5/21 1:59	SFM
Aroclor-1248 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	3/1/21	3/5/21 1:59	SFM
Aroclor-1254 [2]	0.58	0.45	mg/Kg	5		SW-846 8082A	3/1/21	3/5/21 1:59	SFM
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	3/1/21	3/5/21 1:59	SFM
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	3/1/21	3/5/21 1:59	SFM
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	3/1/21	3/5/21 1:59	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	113	30-150		3/5/21	1:59
Decachlorobiphenyl [2]	119	30-150		3/5/21	1:59
Tetrachloro-m-xylene [1]	103	30-150		3/5/21	1:59
Tetrachloro-m-xylene [2]	108	30-150		3/5/21	1:59

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Project Location: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21B0953

Date Received: 2/23/2021

Field Sample #: 212202.A97.123-1027 Sampled: 2/22/2021 11:39

Sample ID: 21B0953-04

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	0.45	mg/Kg	5		SW-846 8082A	3/1/21	3/5/21 2:12	SFM
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	3/1/21	3/5/21 2:12	SFM
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	3/1/21	3/5/21 2:12	SFM
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	3/1/21	3/5/21 2:12	SFM
Aroclor-1248 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	3/1/21	3/5/21 2:12	SFM
Aroclor-1254 [2]	ND	0.45	mg/Kg	5		SW-846 8082A	3/1/21	3/5/21 2:12	SFM
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	3/1/21	3/5/21 2:12	SFM
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	3/1/21	3/5/21 2:12	SFM
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	3/1/21	3/5/21 2:12	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	117	30-150		3/5/21 2:12
Decachlorobiphenyl [2]	124	30-150		3/5/21 2:12
Tetrachloro-m-xylene [1]	111	30-150		3/5/21 2:12
Tetrachloro-m-xylene [2]	116	30-150		3/5/21 2:12

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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
21B0953-01 [212202.A126.123-1018]	B277245	2.16	10.0	03/01/21
21B0953-02 [212202.A93.123-1021]	B277245	2.20	10.0	03/01/21

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21B0953-03 [212202.A93.123-1024]	B277274	2.20	10.0	03/01/21
21B0953-04 [212202.A97.123-1027]	B277274	2.20	10.0	03/01/21

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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 B277245 - SW-846 3540C										
Blank (B277245-BLK1)				Prepared: 03/01/21 Analyzed: 03/02/21						
Aroclor-1016	ND	0.091	mg/Kg							
Aroclor-1016 [2C]	ND	0.091	mg/Kg							
Aroclor-1221	ND	0.091	mg/Kg							
Aroclor-1221 [2C]	ND	0.091	mg/Kg							
Aroclor-1232	ND	0.091	mg/Kg							
Aroclor-1232 [2C]	ND	0.091	mg/Kg							
Aroclor-1242	ND	0.091	mg/Kg							
Aroclor-1242 [2C]	ND	0.091	mg/Kg							
Aroclor-1248	ND	0.091	mg/Kg							
Aroclor-1248 [2C]	ND	0.091	mg/Kg							
Aroclor-1254	ND	0.091	mg/Kg							
Aroclor-1254 [2C]	ND	0.091	mg/Kg							
Aroclor-1260	ND	0.091	mg/Kg							
Aroclor-1260 [2C]	ND	0.091	mg/Kg							
Aroclor-1262	ND	0.091	mg/Kg							
Aroclor-1262 [2C]	ND	0.091	mg/Kg							
Aroclor-1268	ND	0.091	mg/Kg							
Aroclor-1268 [2C]	ND	0.091	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.721*		mg/Kg	0.913		79.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.726*		mg/Kg	0.913		79.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.540*		mg/Kg	0.913		59.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.551*		mg/Kg	0.913		60.4	30-150			
LCS (B277245-BS1)				Prepared: 03/01/21 Analyzed: 03/02/21						
Aroclor-1016	0.49	0.073	mg/Kg	0.727		66.7	40-140			
Aroclor-1016 [2C]	0.50	0.073	mg/Kg	0.727		68.2	40-140			
Aroclor-1260	0.55	0.073	mg/Kg	0.727		75.1	40-140			
Aroclor-1260 [2C]	0.52	0.073	mg/Kg	0.727		71.3	40-140			
Surrogate: Decachlorobiphenyl	*0.608*		mg/Kg	0.727		83.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.615*		mg/Kg	0.727		84.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.462*		mg/Kg	0.727		63.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.467*		mg/Kg	0.727		64.2	30-150			
LCS Dup (B277245-BSD1)				Prepared: 03/01/21 Analyzed: 03/02/21						
Aroclor-1016	0.55	0.081	mg/Kg	0.810		67.7	40-140	12.2	30	
Aroclor-1016 [2C]	0.57	0.081	mg/Kg	0.810		70.1	40-140	13.4	30	
Aroclor-1260	0.59	0.081	mg/Kg	0.810		72.9	40-140	7.88	30	
Aroclor-1260 [2C]	0.57	0.081	mg/Kg	0.810		70.8	40-140	10.1	30	
Surrogate: Decachlorobiphenyl	*0.658*		mg/Kg	0.810		81.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.666*		mg/Kg	0.810		82.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.538*		mg/Kg	0.810		66.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.549*		mg/Kg	0.810		67.9	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 B277274 - SW-846 3540C										
Blank (B277274-BLK1)				Prepared: 03/01/21 Analyzed: 03/03/21						
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	*0.896*		mg/Kg	1.00		89.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.929*		mg/Kg	1.00		92.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.919*		mg/Kg	1.00		91.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.949*		mg/Kg	1.00		94.9	30-150			
LCS (B277274-BS1)				Prepared: 03/01/21 Analyzed: 03/03/21						
Aroclor-1016	0.84	0.10	mg/Kg	1.00		84.3	40-140			
Aroclor-1016 [2C]	0.89	0.10	mg/Kg	1.00		88.5	40-140			
Aroclor-1260	0.80	0.10	mg/Kg	1.00		80.0	40-140			
Aroclor-1260 [2C]	0.80	0.10	mg/Kg	1.00		79.9	40-140			
Surrogate: Decachlorobiphenyl	*0.890*		mg/Kg	1.00		89.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.926*		mg/Kg	1.00		92.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.927*		mg/Kg	1.00		92.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.967*		mg/Kg	1.00		96.7	30-150			
LCS Dup (B277274-BSD1)				Prepared: 03/01/21 Analyzed: 03/03/21						
Aroclor-1016	0.83	0.10	mg/Kg	1.00		83.1	40-140	1.39	30	
Aroclor-1016 [2C]	0.86	0.10	mg/Kg	1.00		86.3	40-140	2.48	30	
Aroclor-1260	0.81	0.10	mg/Kg	1.00		81.1	40-140	1.46	30	
Aroclor-1260 [2C]	0.80	0.10	mg/Kg	1.00		80.2	40-140	0.452	30	
Surrogate: Decachlorobiphenyl	*0.893*		mg/Kg	1.00		89.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.928*		mg/Kg	1.00		92.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.842*		mg/Kg	1.00		84.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.887*		mg/Kg	1.00		88.7	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

212202.A93.123-1021

Lab Sample ID: 21B0953-02 Date(s) Analyzed: 03/05/2021 03/05/2021

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-1254	1	0.000	0.000	0.000	0.12	
	2	0.000	0.000	0.000	0.13	8.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

212202.A93.123-104

Lab Sample ID: 21B0953-03 Date(s) Analyzed: 03/05/2021 03/05/2021

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-1254	1	0.000	0.000	0.000	0.52	
	2	0.000	0.000	0.000	0.58	10.9

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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 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	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2021
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2021
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2021
FL	Florida Department of Health	E871027 NELAP	06/30/2021
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2021
ME	State of Maine	MA00100	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2021
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2021
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

Meghan Kelley

From: Jim Georgantas <jgeorgantas@contestlabs.com> on behalf of Jim Georgantas
Sent: Friday, February 26, 2021 3:06 PM
To: Kari Paritz; Meghan Kelley; Michelle Koch
Subject: RE: BHS PCB/ATC#280BS01563

Hi Kari,

Tom gave me a call, and would like us to extract & hold all of the samples that were submitted. We will be placing all of the 2nd page and 3rd page samples on E&H. If you have any questions please let us know.

Thanks,
Jim

James Georgantas

Account Executive

39 Spruce Street, East Longmeadow, MA 01028

o: 413.525.2332 | m: 413.278-1034 | contestlabs.com

Rapid Response Line: 877.859.7778

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From: Kari Paritz [mailto:Kari.Paritz@atcgs.com]
Sent: Friday, February 26, 2021 12:23 PM
To: Meghan Kelley; Jim Georgantas; Michelle Koch
Subject: RE: BHS PCB/ATC#280BS01563

Yes. Please conduct extraction and hold.

Kari A. Paritz | ENVIRONMENTAL TECHNICIAN | ATC Group Services LLC
Office +1 802 862 1980 | Direct +1 802 871 8353 | Cell +1 802 595 2524

ATLAS
ATC

51 Knight Lane PO Box 1486 | Williston, Vermont 05495
kari.paritz@atcgs.com | www.atcgroupservices.com

From: Meghan Kelley <mkelley@contestlabs.com>
Sent: Friday, February 26, 2021 12:16 PM
To: Kari Paritz <Kari.Paritz@atcgs.com>; Jim Georgantas <jgeorgantas@contestlabs.com>; Michelle Koch <michelle.koch@contestlabs.com>
Subject: RE: BHS PCB/ATC#280BS01563

Hi Kari,

Please confirm these three COCs should be extracted and held?

-Meghan

From: Kari Paritz [mailto:Kari.Paritz@atcgs.com]
Sent: Friday, February 26, 2021 11:10 AM
To: Jim Georgantas <jgeorgantas@contestlabs.com>; Michelle Koch <michelle.koch@contestlabs.com>; mkelley@contestlabs.com
Subject: BHS PCB/ATC#280BS01563

Thank you all for working with me through this project.

As discussed on the phone this morning with Jim,
Extraction and analysis will continue for the samples on page one of the COCs.
Please conduct extraction for the samples on page two, hold and then if needed, analyze the subsequent sample.
Once we know the samples from page two that need to be analyze, please conduct extraction on the subsequent samples on page three.
Then analyze those from page three if needed.

Each round will be for seven (7) day turn around time.

Thank you,

Kari A. Paritz | ENVIRONMENTAL TECHNICIAN | ATC Group Services LLC
Office +1 802 862 1980 | Direct +1 802 871 8353 | Cell +1 802 595 2524

51 Knight Lane PO Box 1486 | Williston, Vermont 05495
kari.paritz@atcgs.com | www.atcgroupservices.com

21B0953

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:
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980

Project Name:
Project Location: 52 Institue Road, Burlington, Vermont
Project Number: 280BS01563 Phase 012
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: J. Adams, N. Amato, K. Paritz

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 ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, karl.paritz@atcgs.com
Fax To #:

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

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 Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
1	212202.A126.123-1018	02/22/2021	0853	Grab	O	U		1				✓	✓
2	212202.A93.123-1021	02/22/2021	0958	Grab	O	U		1				✓	✓
3	212202.A93.123-1024	02/22/2021	1040	Grab	O	U		1				✓	✓
4	212202.A97.123-1027	02/22/2021	1139	Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS 12
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)

Relinquished by: (signature)	Date/Time:
[signature]	2/23/21 1600
Received by: (signature)	Date/Time:
[signature]	2/24/21 1600
Relinquished by: (signature)	Date/Time:
[signature] GMM	2/23/21 12:45 pm
Received by: (signature)	Date/Time:
[signature] 2/23/21	12:45
Relinquished by: (signature)	Date/Time:
[signature] 2/23/21	1445
Received by: (signature)	Date/Time:
[signature] 2/23/21	1445
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments: Hold samples ending in -1018, -1021, -1024, -1027 until further notice

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab Comments: Per client email, activated all 4 samples as all 4 samples on wo 21B0954 had hits 3/4/21 mmk

Table of Contents

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

con-test® ANALYTICAL LABORATORY

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 2/23/21 Time 1445

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

Direct from Sampling _____ Ambient _____ Melted Ice _____

By Gun # 3 Actual Temp - 2.0

Were samples within Temperature? 2-6°C T 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 Project T Analysis T ID's T Sampler Name 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	4
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:

21B0953

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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 ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, karl.paritz@atcgs.com
Fax To #:

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

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 Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
1	212202.A126.123-1018	02/22/2021	0853	Grab	O	U		1				✓	✓
2	212202.A93.123-1021	02/22/2021	0958	Grab	O	U		1				✓	✓
3	212202.A93.123-1024	02/22/2021	1040	Grab	O	U		1				✓	✓
4	212202.A97.123-1027	02/22/2021	1139	Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS 12
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)

Relinquished by: (signature)	Date/Time:
[illegible]	3/23/21 1600
Received by: (signature)	Date/Time:
[illegible]	3/24/21 1600
Relinquished by: (signature)	Date/Time:
[illegible] GMM	2/23/21 12:45 pm
Received by: (signature)	Date/Time:
[illegible]	2/23/21 1241
Relinquished by: (signature)	Date/Time:
[illegible]	2/23/21 1445
Received by: (signature)	Date/Time:
[illegible]	2.0 2/23/21 1445
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments: Hold samples ending in -1018, -1021, -1024, -1027 until further notice

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab Comments: Per client email, activated all 4 samples as all 4 samples on wo 21B0954 had hits 3/4/21 mmk

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

con-test® ANALYTICAL LABORATORY

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 2/23/21 Time 1445

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 Project T Analysis T ID's T Sampler Name 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	4
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:

PREPARATION BENCH SHEET

Printed: 3/1/2021 8:34:51AM

Analysis
8082 Soxhlet

B277245

Con-Test, a Pace Analytical Laboratory

Surrogate Solution
2102095 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Prepared using: SW-846 3540C

Matrix: Product/Solid

= extract + hold sample

2.00

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
B277245-BLK1	Blank			JEA 3-2-21	#33	2.19	10.0		1000	
B277245-BS1	LCS					2.75		1000	1000	
B277245-BSD1	LCS Dup					2.47		1000	1000	
21B0633-09	KGL-VBA-009 (1) 3B	03/03/21	02/25/21			2.57			1000	RL<1µg/wipe
21B0633-18	KGL-VBA-018 (1)	03/03/21	02/25/21			2.04			1000	RL<1µg/wipe
21B0949-01	2118.002.D41.121-0994 4C	~~03/09/21~~ 03/14/2021 ANF.	03/04/21	JEA 3/2/2021	Rec'd 34	2.44	10.0		1000	Extract and Hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclo
21B0949-02	2118.002.D34.121-0997	03/09/21	03/04/21			2.25			1000	Extract and Hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclo
21B0949-03	2118.002.D24.121-1000	03/09/21	03/04/21			2.22			1000	Extract and Hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclo
21B0949-04	2118.002.D75.121-1003	03/09/21	03/04/21			2.77			1000	Extract and Hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclo
21B0950-01	211802.D41.121-0995	03/09/21	03/04/21			2.68			1000	Extract and Hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclo
21B0950-02	211802.D34.121-0998	03/09/21	03/04/21			2.52			1000	Extract and Hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclo
21B0950-03	211802.D24.121-1001	03/09/21	03/04/21	ANF 3.2.21	#33	2.41	10.0		1000	Extract and Hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclo

WIT YS (SPK) MLB 3/1/21 Spikedby/Witnessed By Date

MLB 3/1/21 Extracted By Date

949+951 W.O prepped by DS 3.3.21

ran 3/4/21 #10 AMC

prepped 030421 JR

PREPARATION BENCH SHEET

Printed: 3/1/2021 8:34:51AM

Analysis
8082 Soxhlet

B277245

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Surrogate Solution
2102095 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
21B0950-04	211802.D75.121-1028 4C	03/09/21	03/04/21	MF 3-2-21		2.33	10.0		1000	Extract and Hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclo
21B0951-01	211902.B69.122-1005	03/09/21	03/05/21			2.08			1000	Extract and hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21B0951-02	211902.B24.122-1008	03/09/21	03/05/21			2.37			1000	Extract and hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21B0951-03	211902.B63.122-1011	03/09/21	03/05/21			2.39			1000	Extract and hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21B0951-04	211902.B26.122-1014	03/09/21	03/05/21			2.73			1000	Extract and hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21B0952-01	211902.B69.122-1006	03/09/21	03/05/21			2.19			1000	Ext & Hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21B0952-02	211902.B24.122-1009	03/09/21	03/05/21			2.66			1000	Ext & Hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21B0952-03	211902.B63.122-1012	03/09/21	03/05/21			2.41			1000	Ext & Hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21B0952-04	211902.B26.122-1015	03/09/21	03/05/21			2.26			1000	Ext & Hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor

ikedby/Witnessed By Date Extracted By Date

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B277245

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Matrix: Product/Solid

Printed: 3/1/2021 8:34:51AM

Surrogate Solution
2102095 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
21B0953-01	212202.A126.123-1018 4C	03/09/21	03/08/21			2.16			1000	Ext and Hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21B0953-02	212202.A93.123-1021 1	03/09/21	03/08/21			2.20			1000	Ext and Hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor

Start Date/Time 3/1/21 @ 11:33

StopDate/Time 3/2/21 07:37

Standard ID#	Description	Manufacture Lot#
2011238	Distilled Solvent Hexanes:Acetone	2:1 Hexanes:Ace
2102078	Hexanes	60311
2102079	Acetone	EA362-US
2102231	Distilled Solvent - MeCl2	DCM/ACE

VWR 525979

kedby/Witnessed By Date Extracted By Date

ELMNT\Print\bch_DEF_EXT.rpt

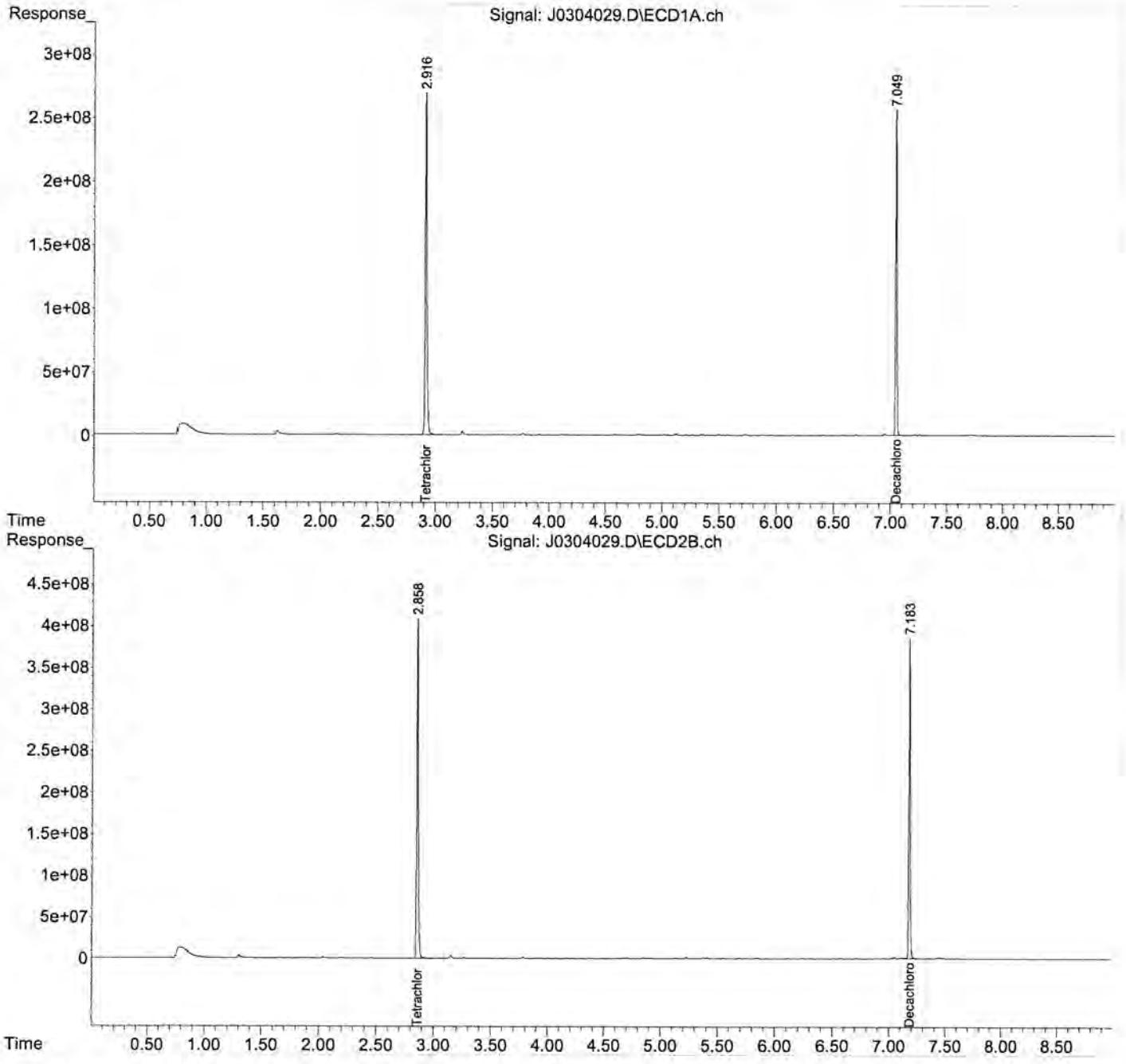
Table of Contents

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\030421\
Data File : J0304029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Mar 2021 1:35 am
Operator : JMB
Sample : 21B0953-01@TBA Inst : ECD10
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Mar 05 09:24:15 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-030221.M
Quant Title : 1260/1016 12/14/20 10/31/20 ICAL 2000436
QLast Update : Tue Dec 15 11:08:44 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

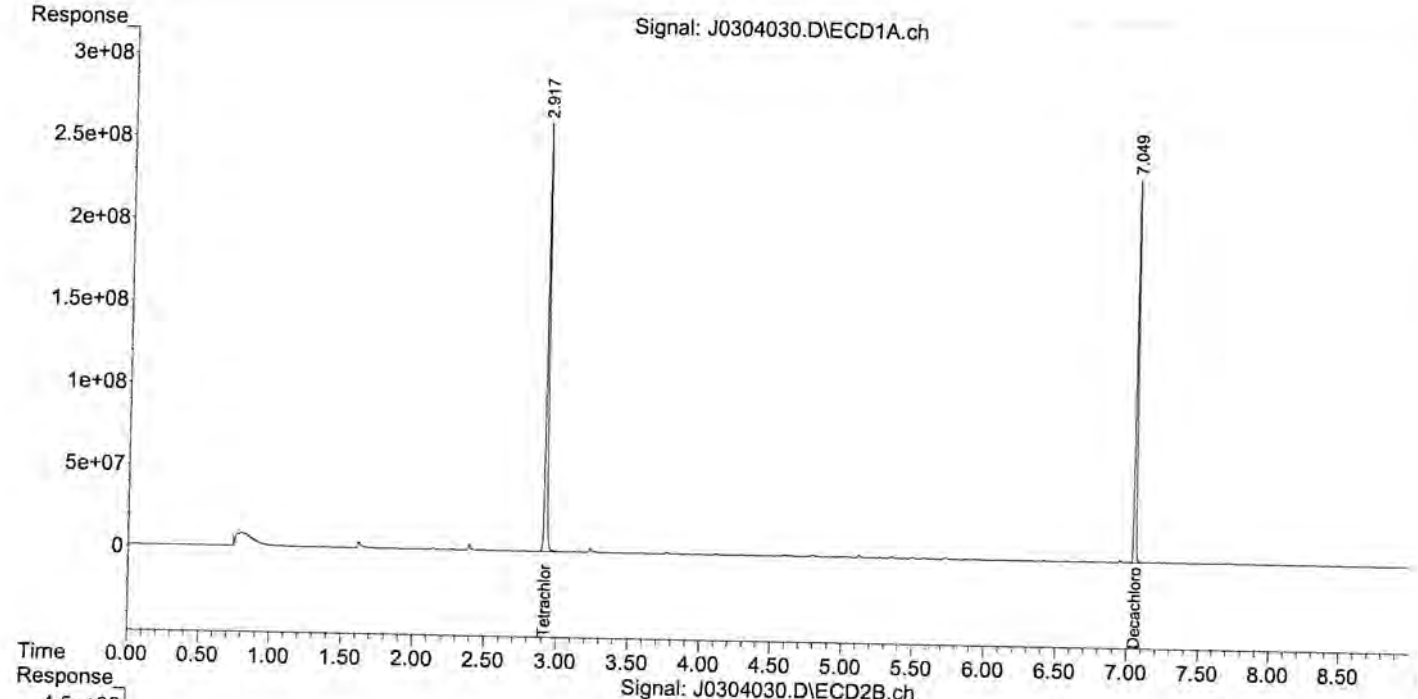


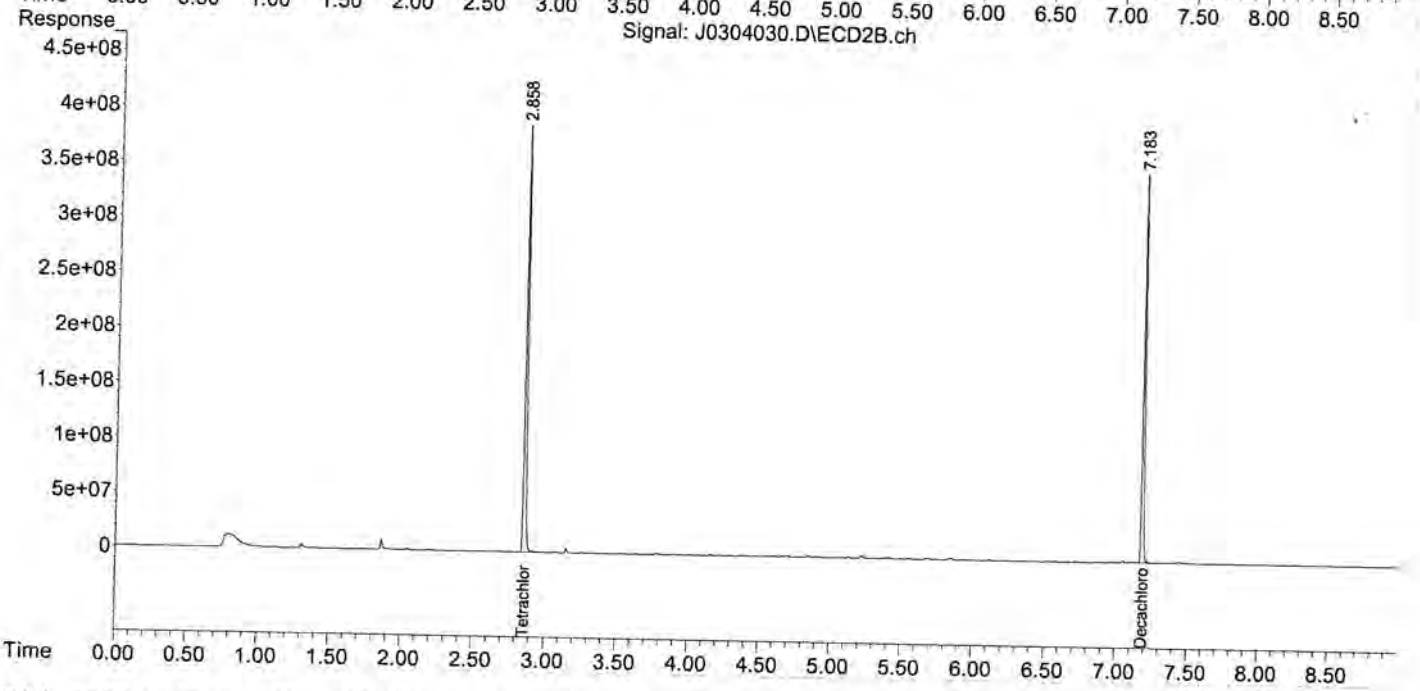
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\030421\
Data File : J0304030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Mar 2021 1:47 am
Operator : JMB
Sample : 21B0953-02@TBA
Misc :
Inst : ECD10
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Mar 05 09:25:10 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-030221.M
Quant Title : 1260/1016 12/14/20 10/31/20 ICAL 2000436
QLast Update : Tue Dec 15 11:08:44 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





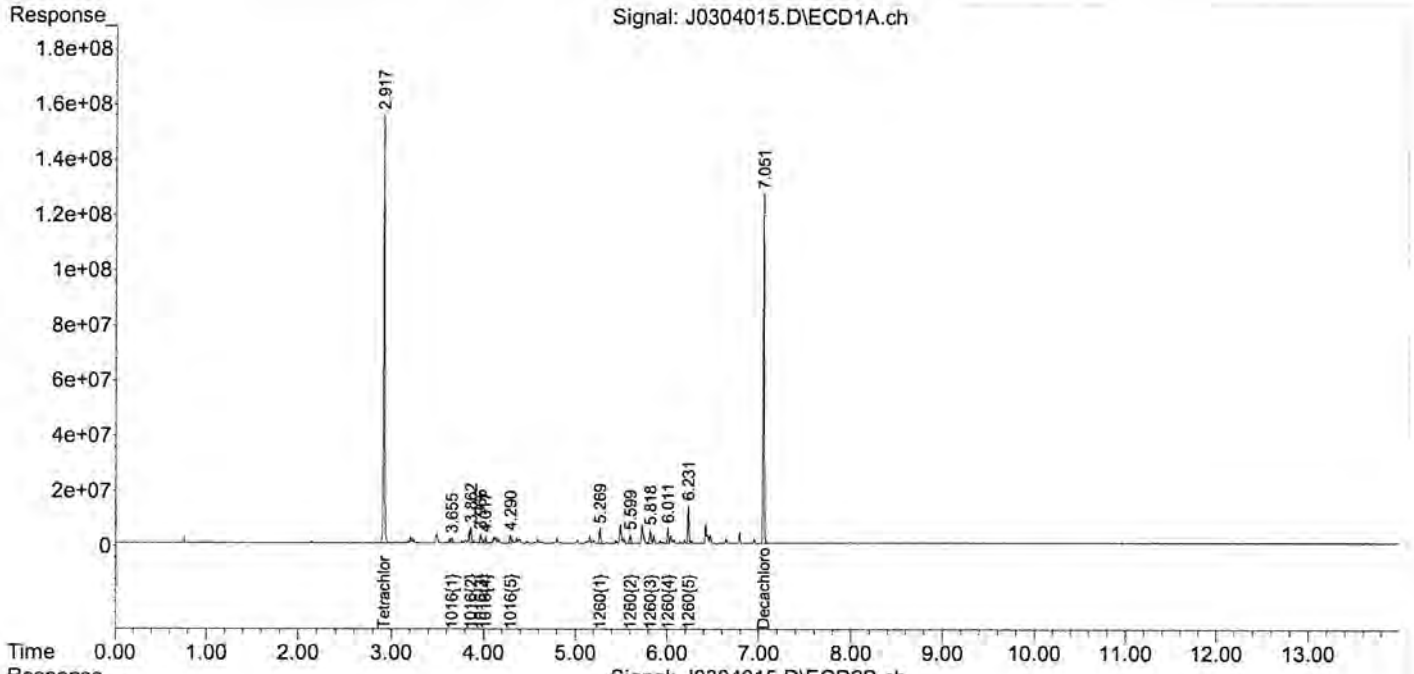
10-1260-030221.M Fri Mar 05 09:29:07 2021

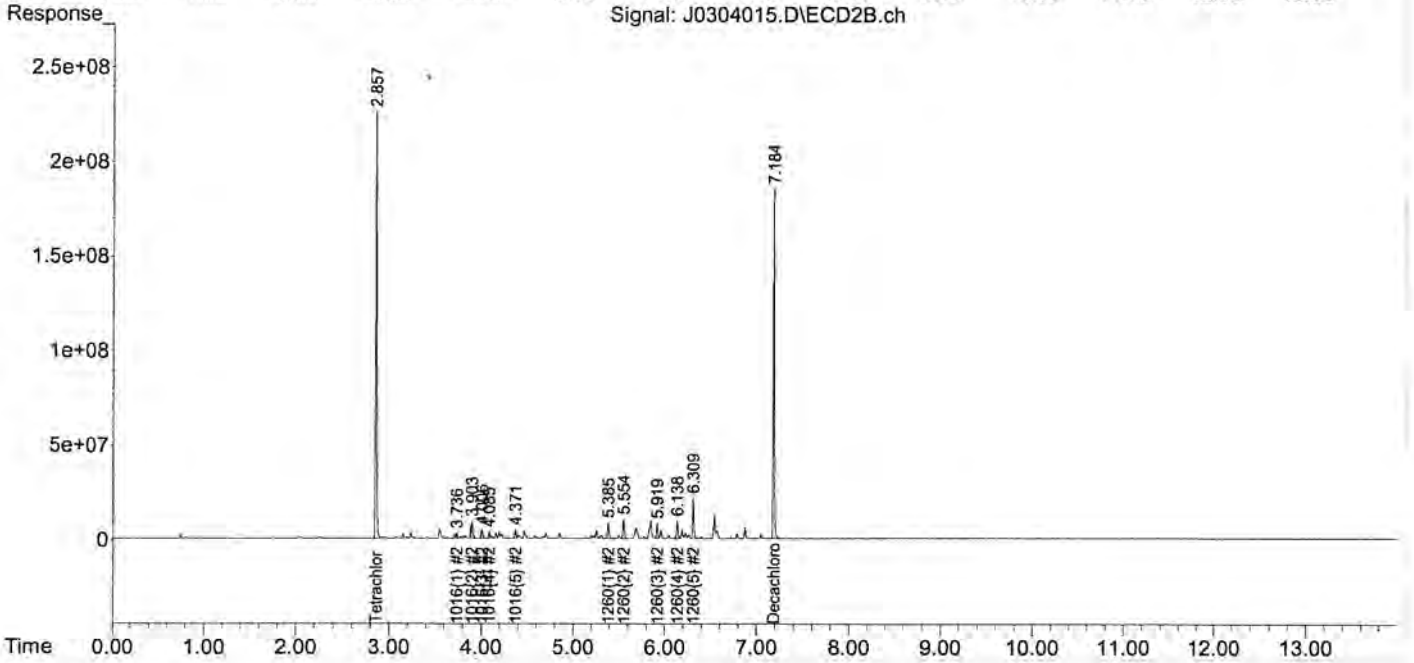
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\030421\
Data File : J0304015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Mar 2021 9:38 pm
Operator : JMB
Sample : 1260/1016 100 Inst : ECD10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Mar 05 07:02:12 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-030221.M
Quant Title : 1260/1016 12/14/20 10/31/20 ICAL 2000436
QLast Update : Tue Dec 15 11:08:44 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



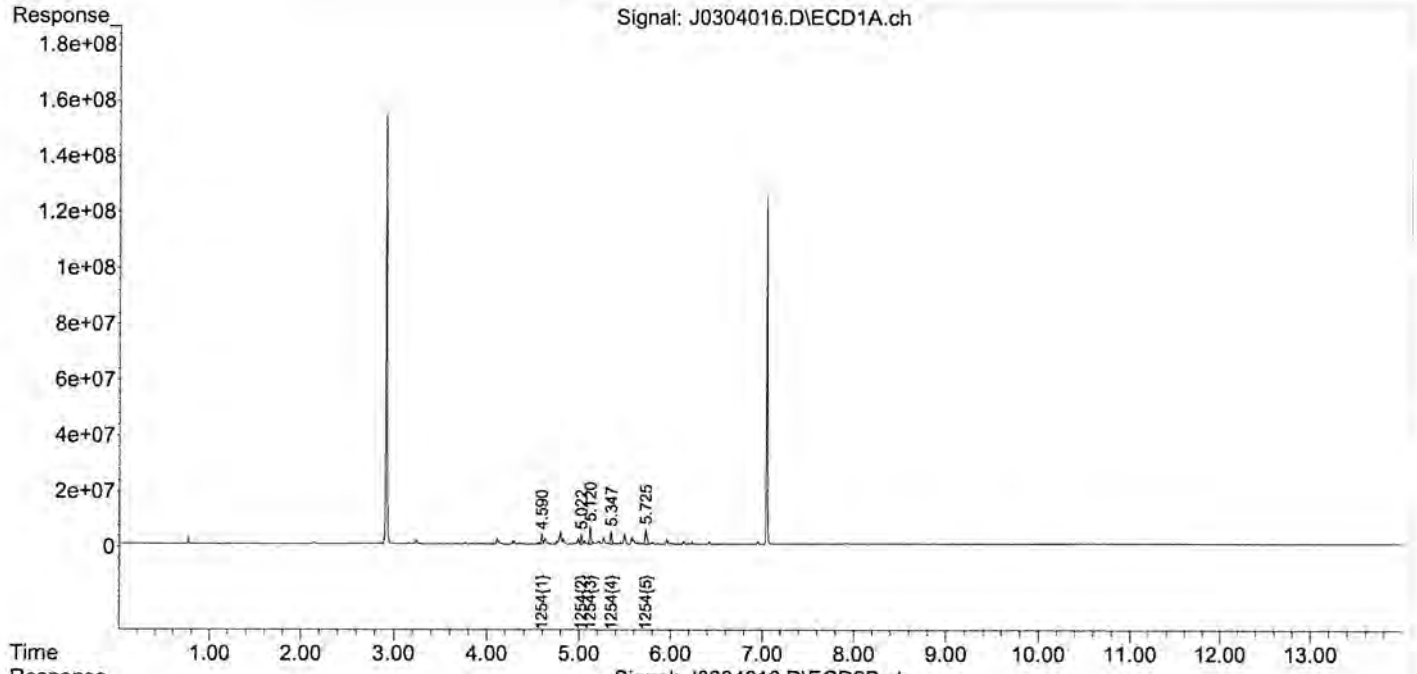


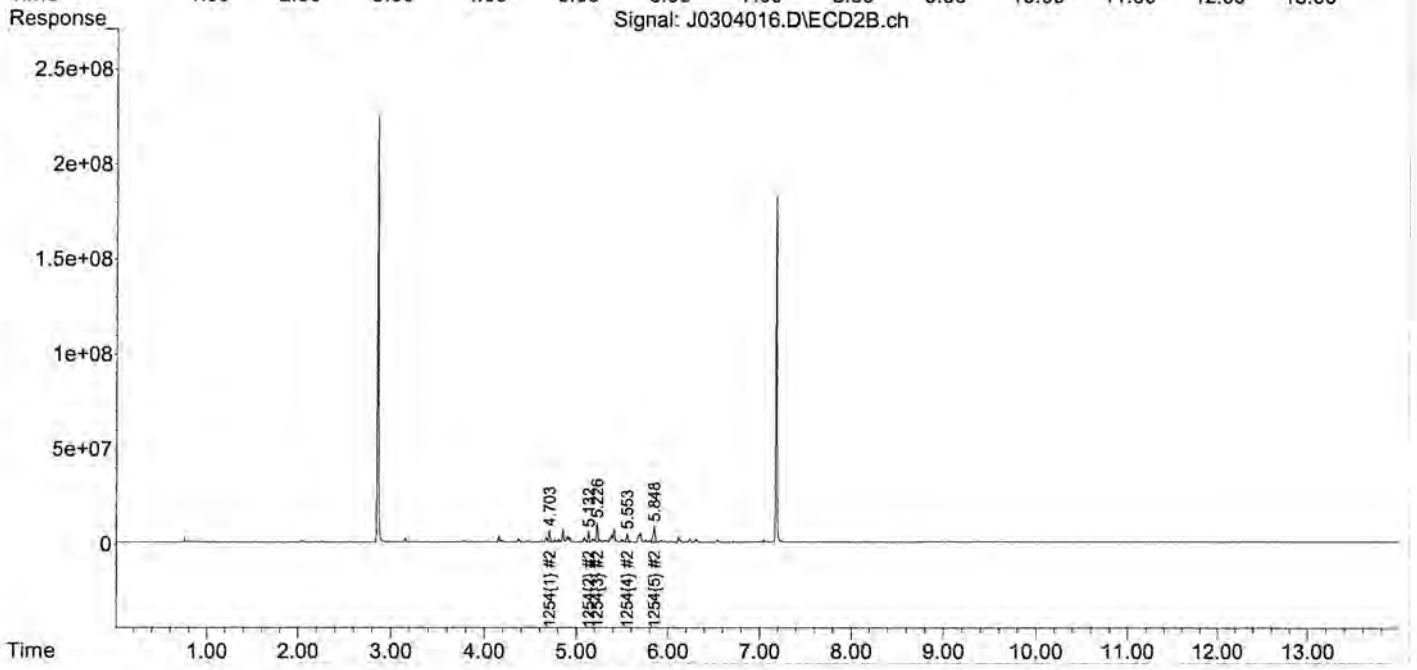
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\030421\
Data File : J0304016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Mar 2021 9:55 pm
Operator : JMB
Sample : 1254 100 Inst : ECD10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 05 07:25:49 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1254-030221.M
Quant Title : 1254 12/14/20 10/16/20 ICAL 2000436
QLast Update : Tue Dec 15 11:09:39 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



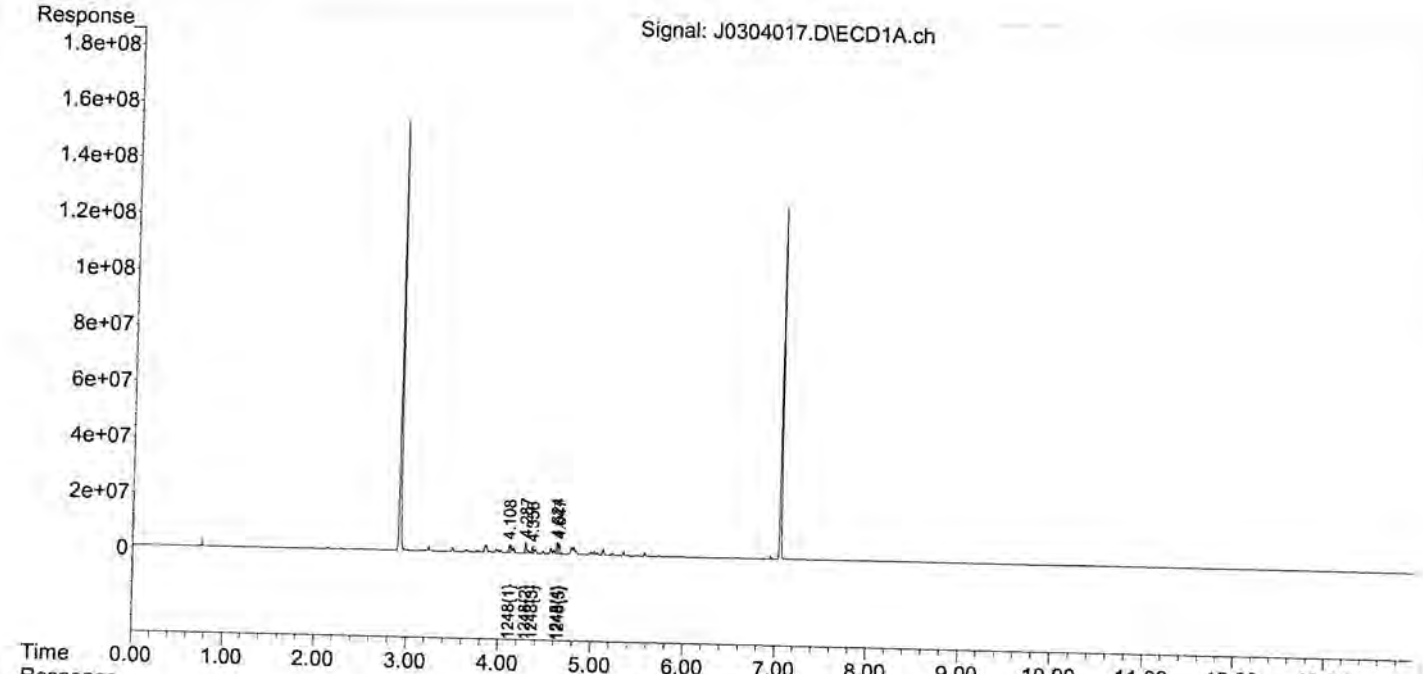


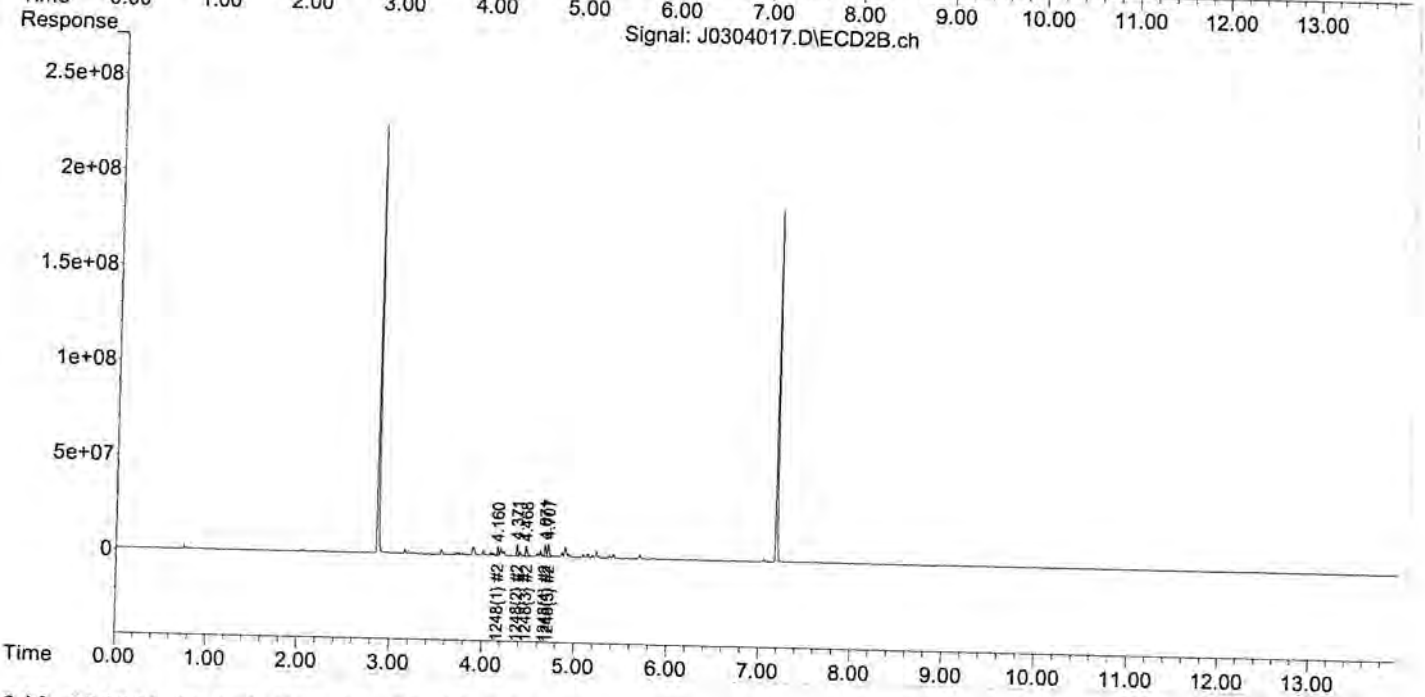
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\030421\
Data File : J0304017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Mar 2021 10:12 pm
Operator : JMB
Sample : 1248 100
Misc :
Inst : ECD10
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: F-1248.E
Integration File signal 2: B-1248.E
Quant Time: Mar 05 07:48:34 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1248-030221.M
Quant Title : 1248 12/14/20 10/14/20 ICAL 2000436
QLast Update : Tue Dec 15 11:10:30 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



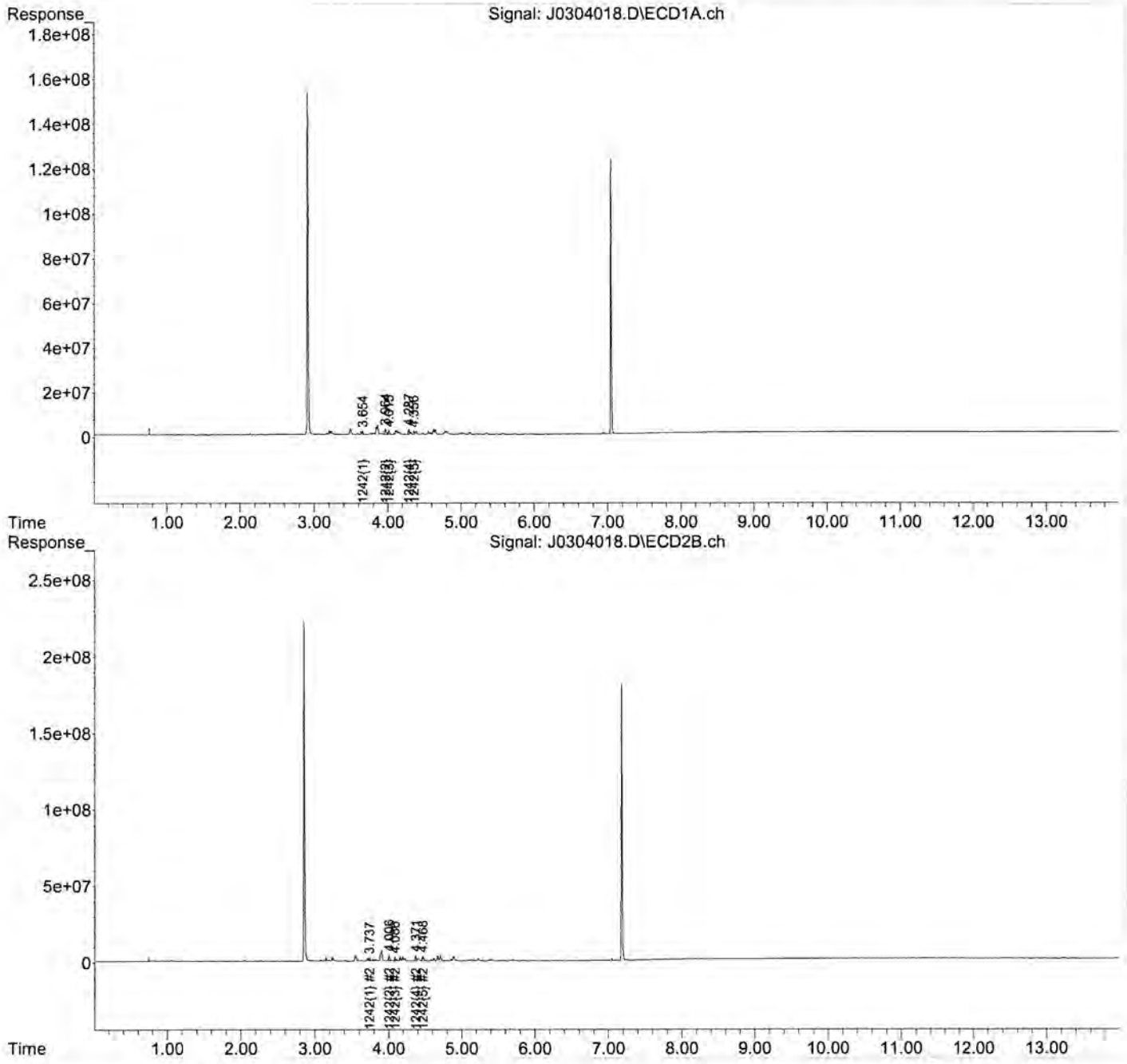


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\030421\
Data File : J0304018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Mar 2021 10:30 pm
Operator : JMB
Sample : 1242 100 Inst : ECD10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: F-1242.E
Integration File signal 2: B-1242.E
Quant Time: Mar 05 07:48:41 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1242-030221.M
Quant Title : 1242 12/14/20 09/28/20 ICAL 2000436
QLast Update : Tue Dec 15 11:11:26 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

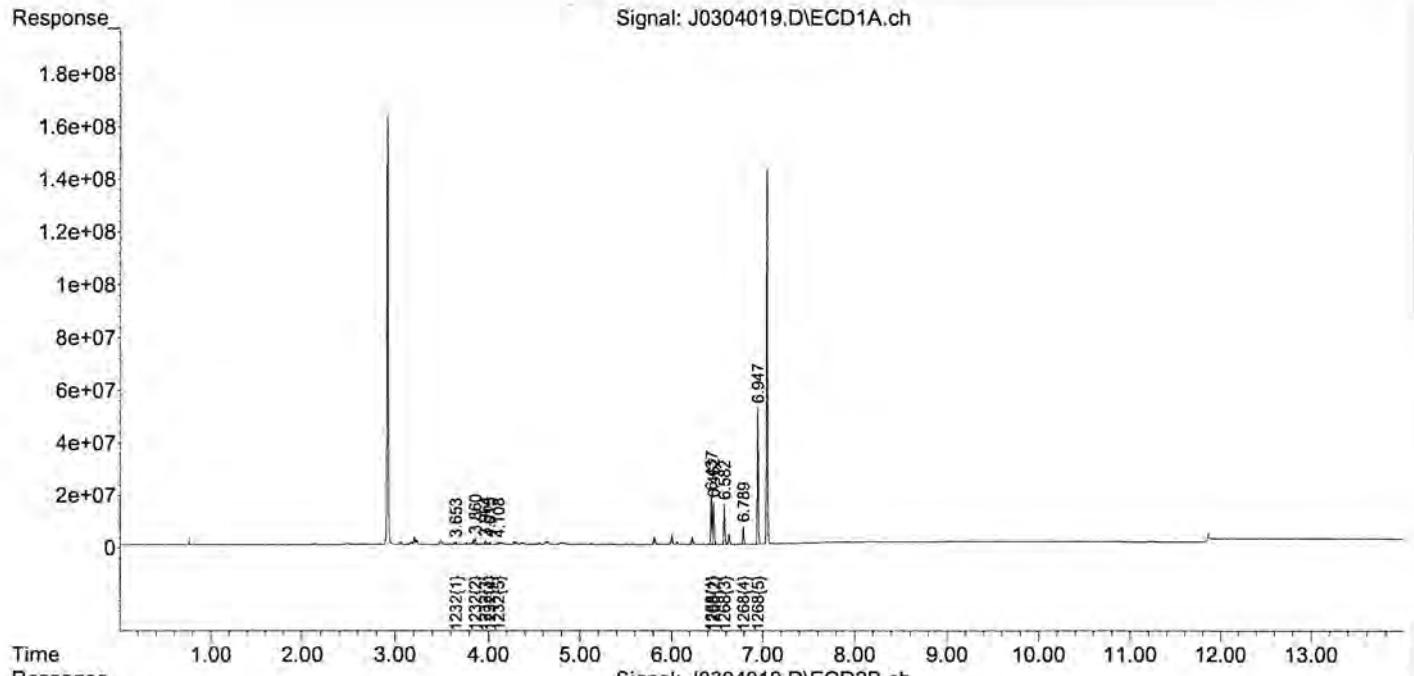


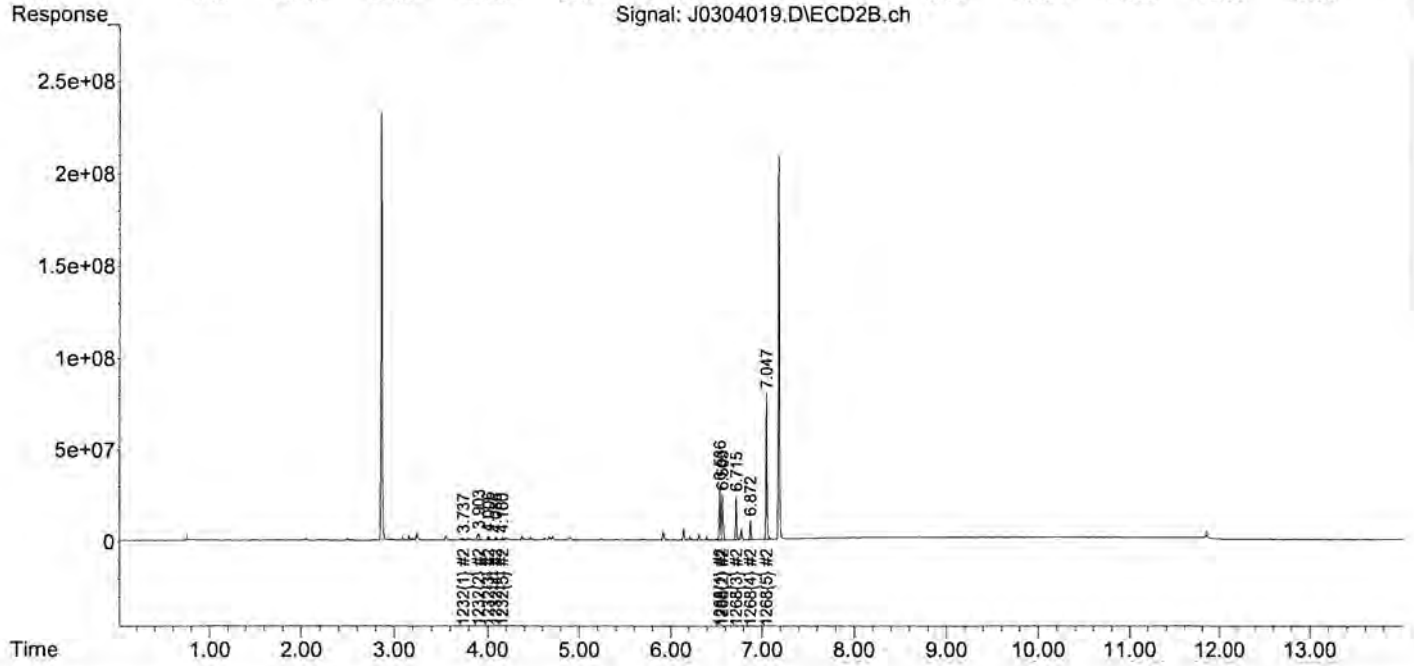
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\030421\
Data File : J0304019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Mar 2021 10:47 pm
Operator : JMB
Sample : 1232/1268 100 Inst : ECD10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: F-1232.E
Integration File signal 2: B-1232.E
Quant Time: Mar 05 07:48:48 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1232-030221.M
Quant Title : 1232/1268 12/14/20 07/10/20 ICAL 2000436
QLast Update : Tue Dec 15 11:49:00 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



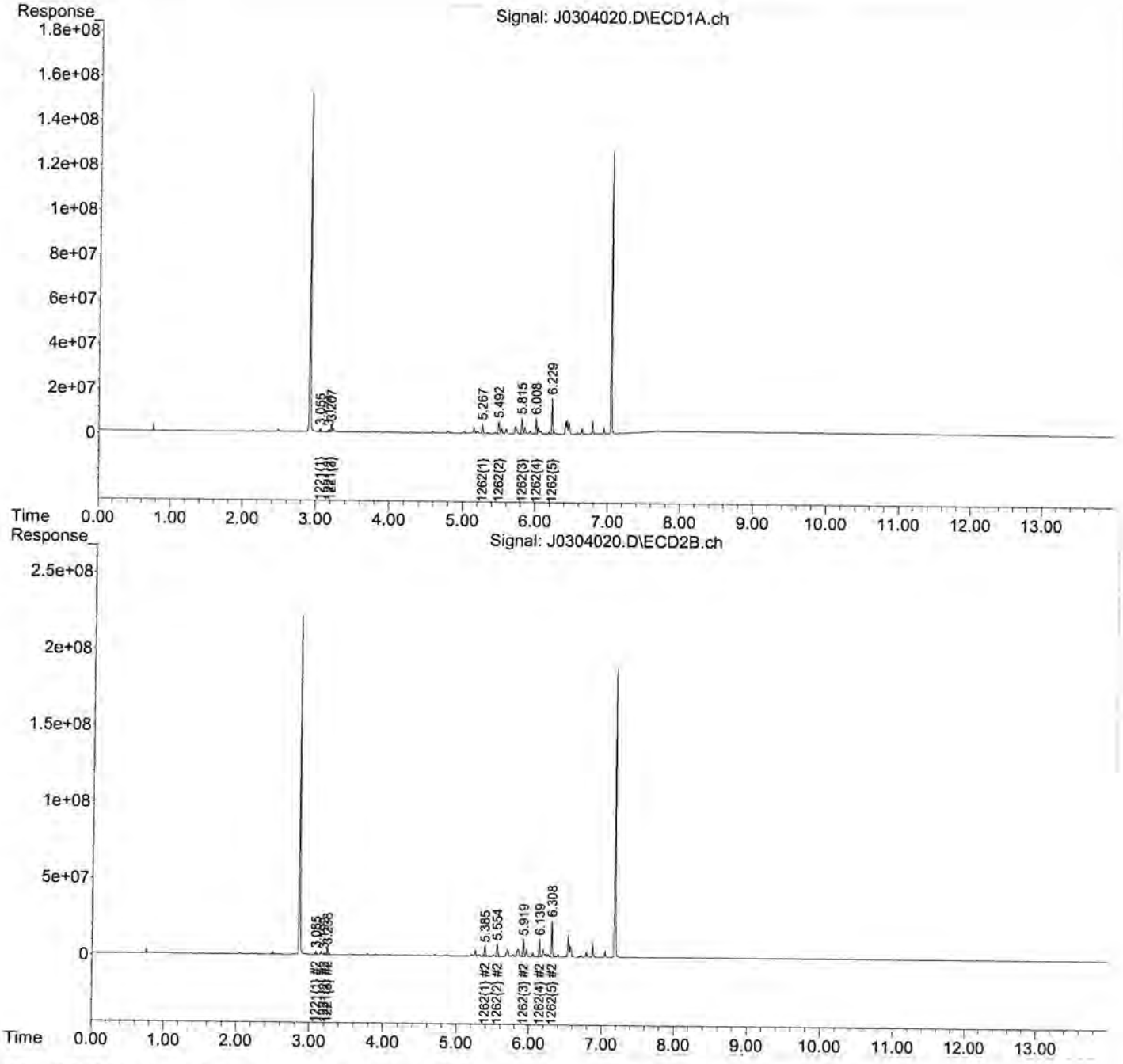


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\030421\
Data File : J0304020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Mar 2021 11:04 pm
Operator : JMB
Sample : 1221/1262 100 Inst : ECD10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: F-1221.E
Integration File signal 2: B-1221.E
Quant Time: Mar 05 07:48:56 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1221-030221.M
Quant Title : 1221/1262 12/14/20 07/10/20 ICAL 2000436
QLast Update : Tue Dec 15 11:17:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



PREPARATION BENCH SHEET

Printed: 3/1/2021 5:41:29PM

Analysis
8082 Soxhlet

B277274

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Surrogate Solution
2102095 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

: extract + hold samples

2.00g

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B277274-BLK1	Blank			TyH 3/2/21	BatchRack-77		10.0		1000		
B277274-BS1	LCS							1000	1000		
B277274-BSD1	LCS Dup							1000	1000		
21B0953-03	212202.A93.123-104 4C	03/09/21	03/08/21			2.2			1000	Ext and Hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21B0953-04	212202.A97.123-1027	03/09/21	03/08/21			2.2			1000	Ext and Hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21B0954-01	212202.A126.123-1017	03/04/21	03/08/21			2.1			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21B0954-02	212202.A93.123-1020	03/04/21	03/08/21			2.3			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21B0954-03	212202.A93.123-1023	03/04/21	03/08/21			2.0			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21B0954-04	212202.A97.123-1026	03/04/21	03/08/21			2.1			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7

Start Date/Time 3.1.21 @ 21:15.

StopDate/Time 3/2/21 15:27

Standard ID#	Description	Manufacture Lot#
2011238	Distilled Solvent Hexanes:Acetone	2:1 Hexanes:Ace
2102078	Hexanes	60311
2102079	Acetone	EA362-US
2102231	Distilled Solvent - MeCl2	DCM/ACE

S/10: 834007 0046.

2102300 Fluted paper AHF 3.1.21

2102068 Sodium Sulfate (anhy) AHF 3.1.21.

* 954 W.O prepping JS 3.3.21

SPK WIP

SAH 3.1.21

Spiked by/Witnessed By Date

AHA 3.1.21.

Extracted By Date

ran 3/4/21 #10 AMC

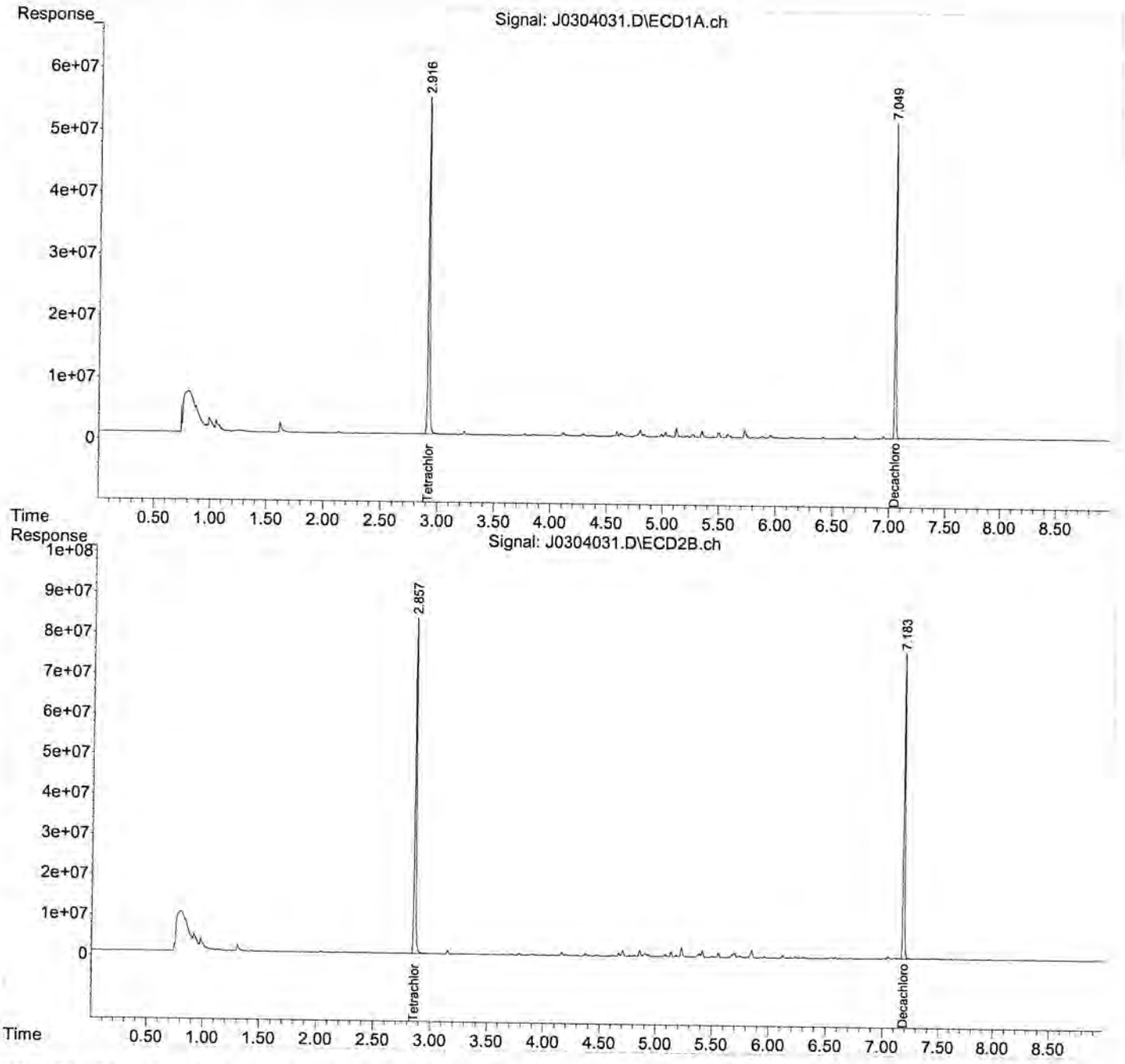
prepped 030421 JR

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\030421\
Data File : J0304031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Mar 2021 1:59 am
Operator : JMB
Sample : 21B0953-03@5X TBA Inst : ECD10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Mar 05 09:25:58 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-030221.M
Quant Title : 1260/1016 12/14/20 10/31/20 ICAL 2000436
QLast Update : Tue Dec 15 11:08:44 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



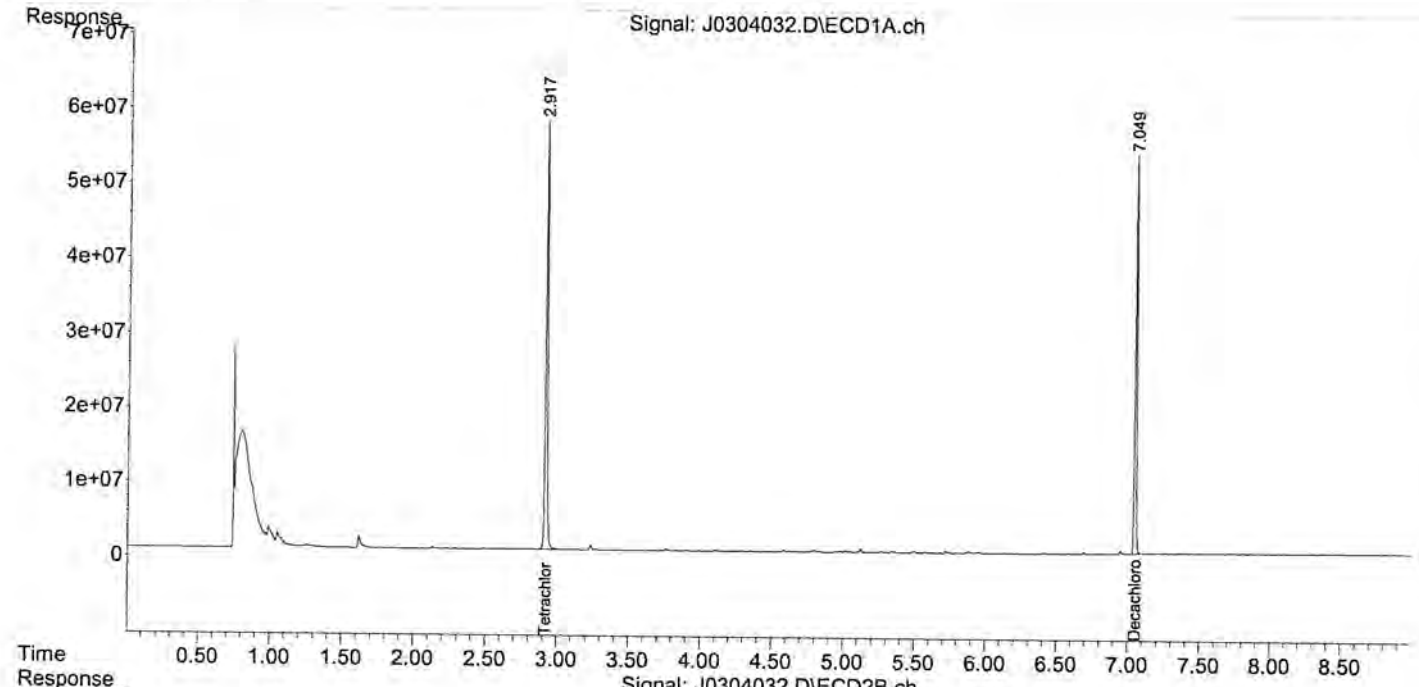
10-1260-030221.M Fri Mar 05 09:29:09 2021

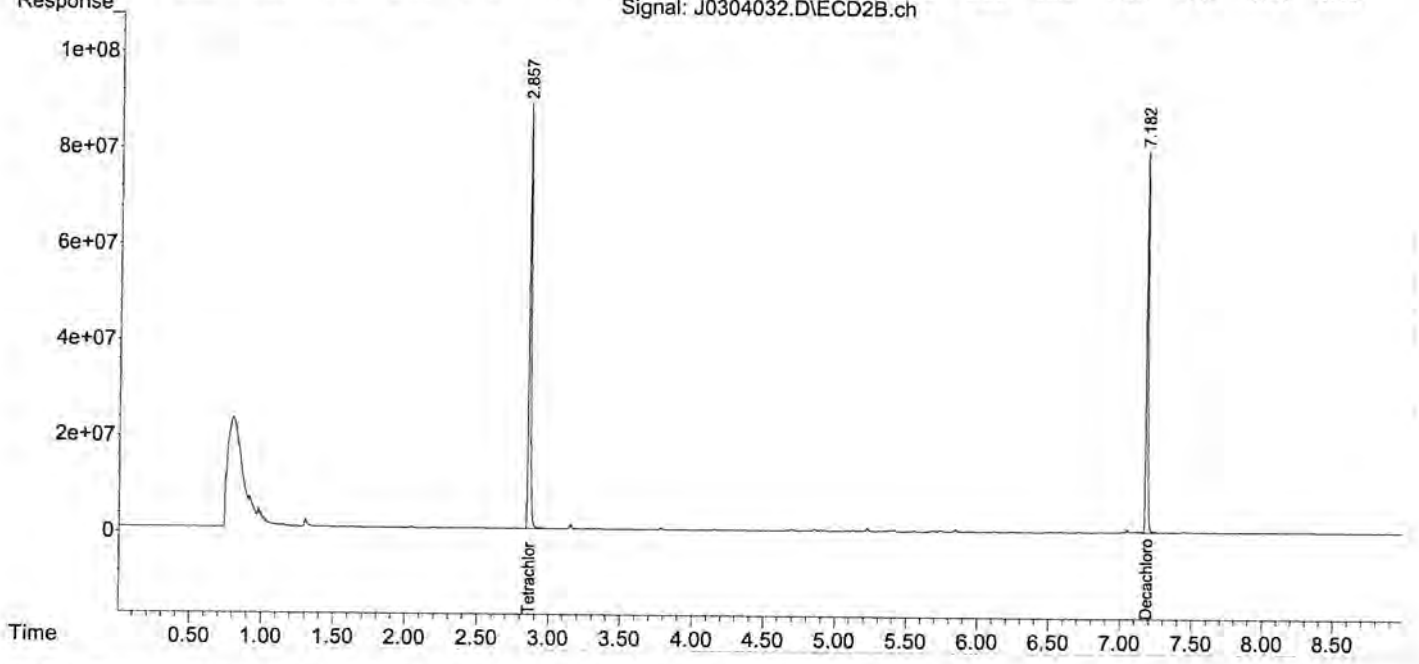
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\030421\
Data File : J0304032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Mar 2021 2:12 am
Operator : JMB
Sample : 21B0953-04@5X TBA Inst : ECD10
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Mar 05 09:26:55 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-030221.M
Quant Title : 1260/1016 12/14/20 10/31/20 ICAL 2000436
QLast Update : Tue Dec 15 11:08:44 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



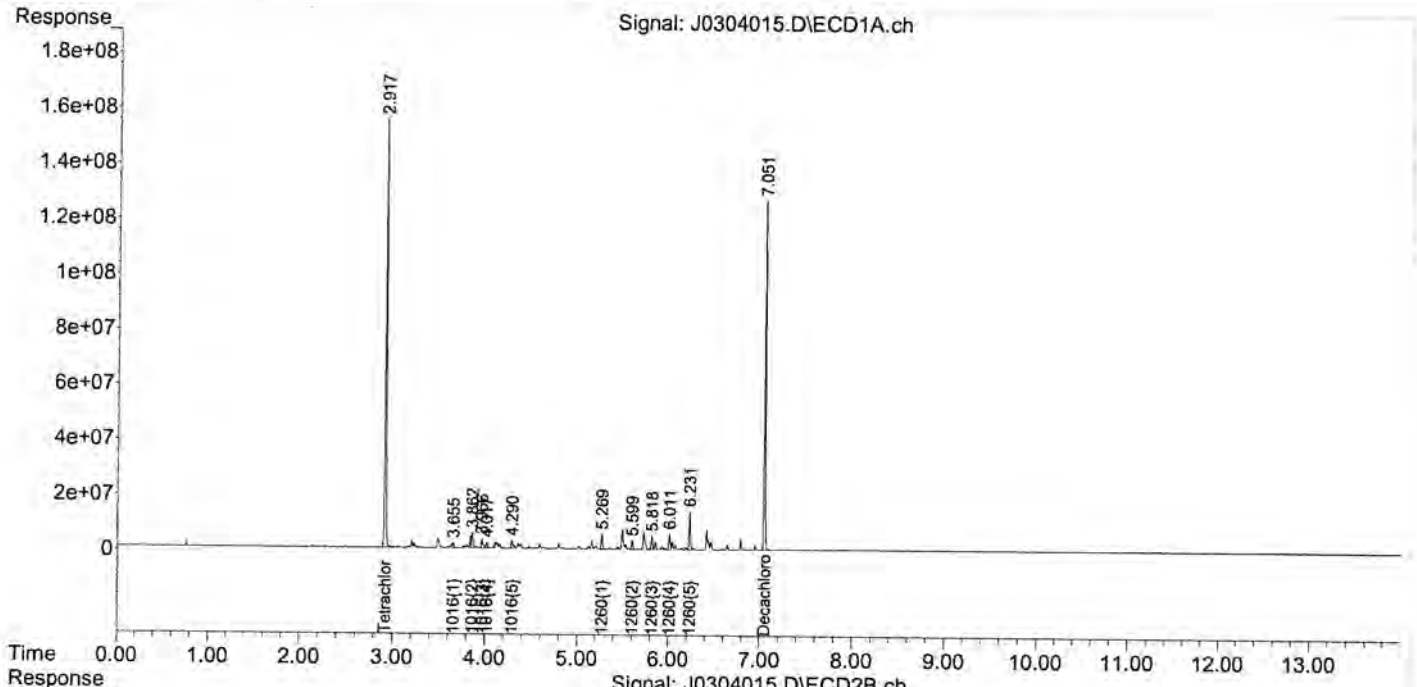


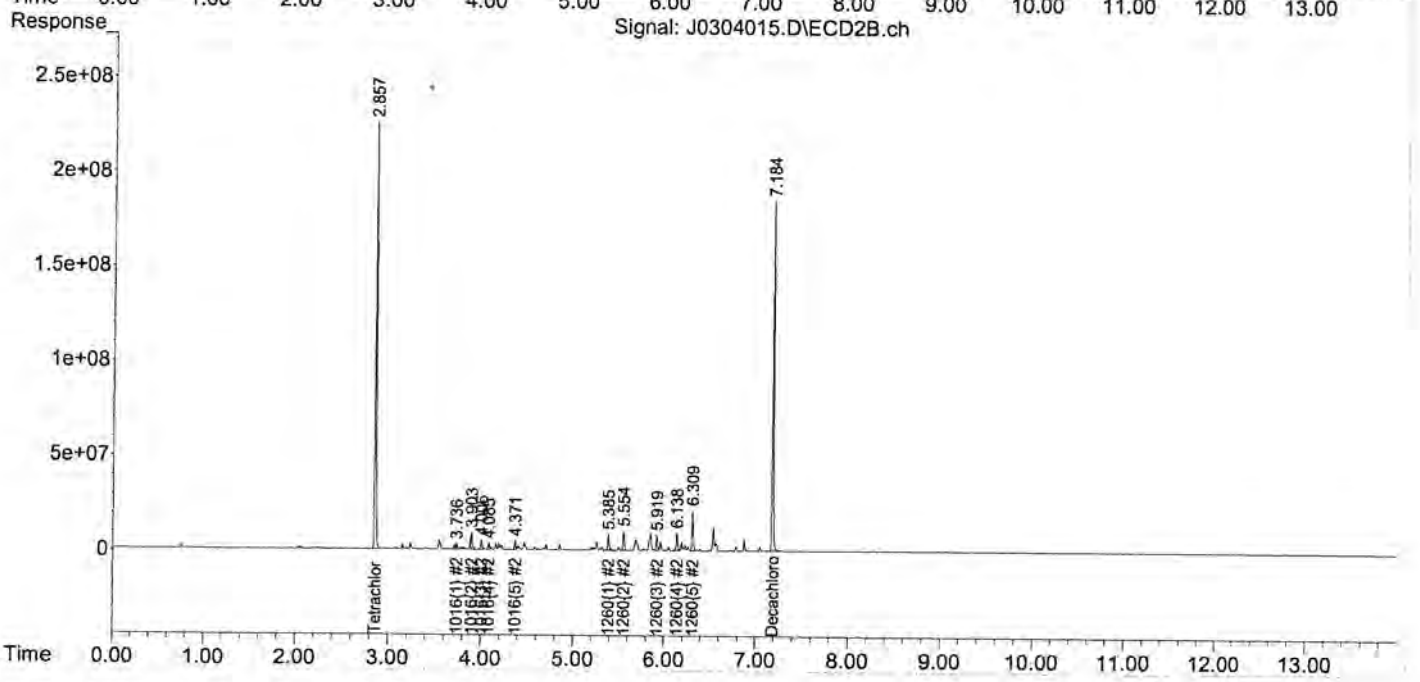
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\030421\
Data File : J0304015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Mar 2021 9:38 pm
Operator : JMB
Sample : 1260/1016 100 Inst : ECD10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Mar 05 07:02:12 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-030221.M
Quant Title : 1260/1016 12/14/20 10/31/20 ICAL 2000436
QLast Update : Tue Dec 15 11:08:44 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



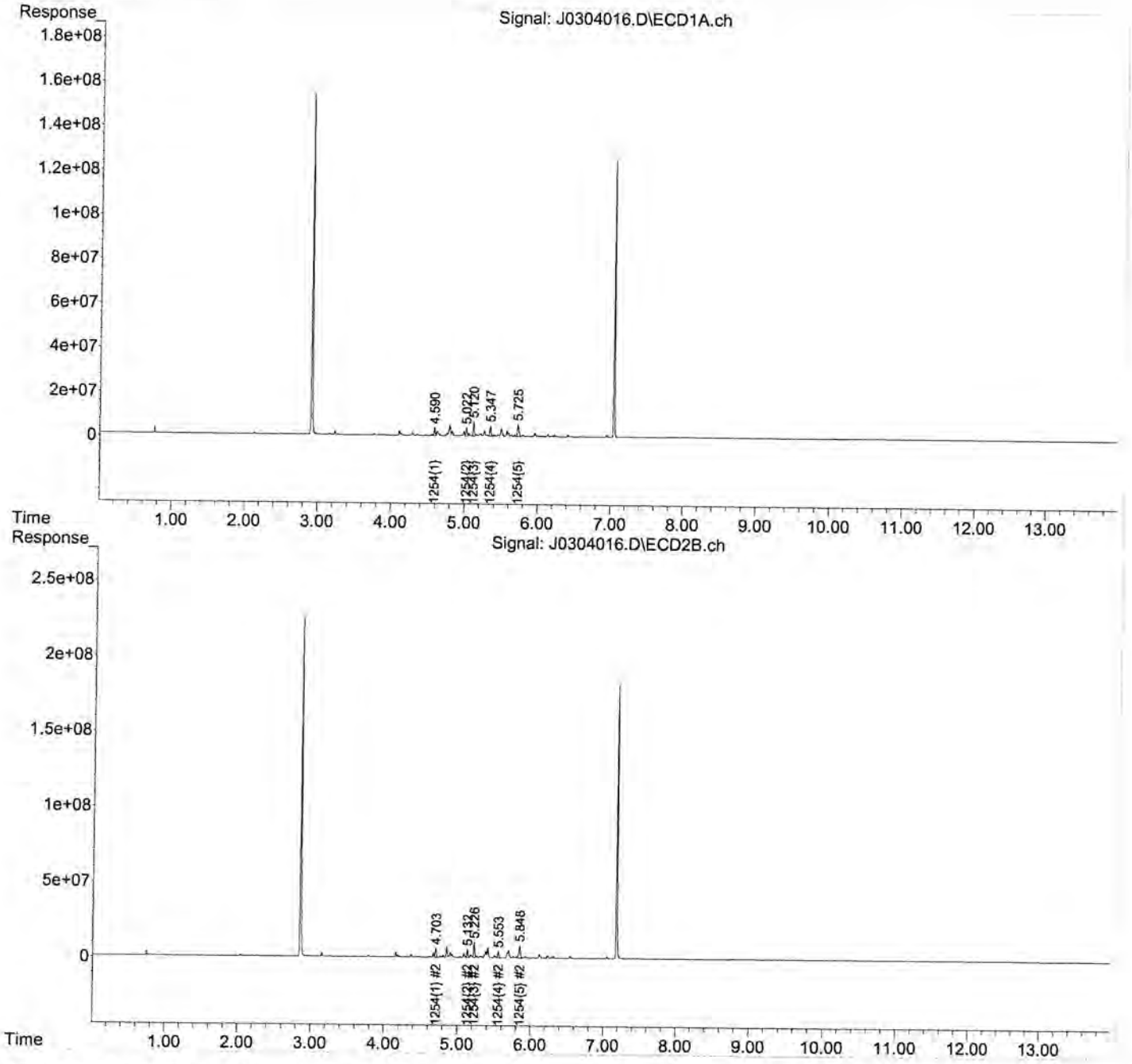


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\030421\
Data File : J0304016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Mar 2021 9:55 pm
Operator : JMB
Sample : 1254 100 Inst : ECD10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 05 07:25:49 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1254-030221.M
Quant Title : 1254 12/14/20 10/16/20 ICAL 2000436
QLast Update : Tue Dec 15 11:09:39 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :

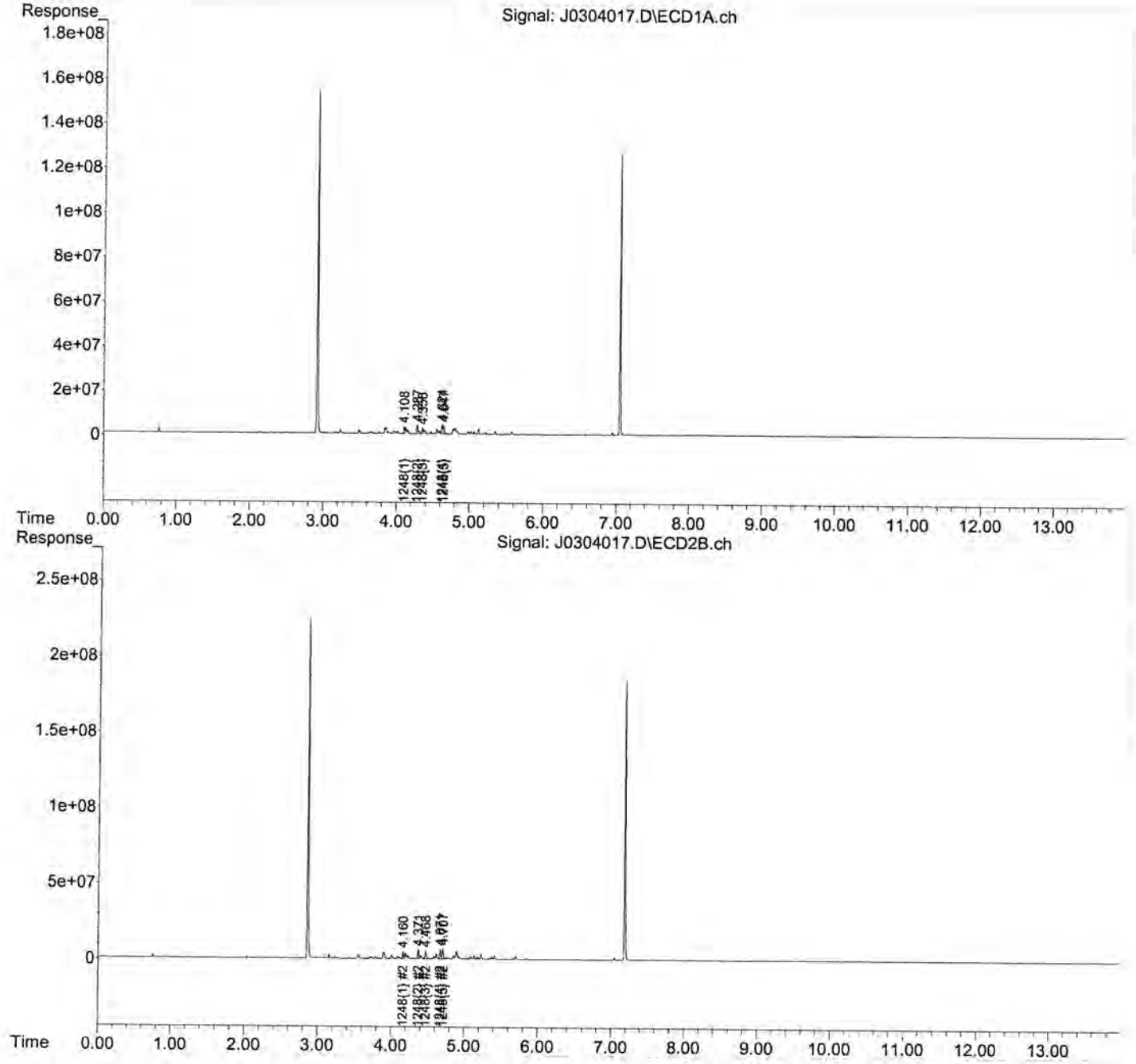


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\030421\
Data File : J0304017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Mar 2021 10:12 pm
Operator : JMB
Sample : 1248 100 Inst : ECD10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: F-1248.E
Integration File signal 2: B-1248.E
Quant Time: Mar 05 07:48:34 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1248-030221.M
Quant Title : 1248 12/14/20 10/14/20 ICAL 2000436
QLast Update : Tue Dec 15 11:10:30 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



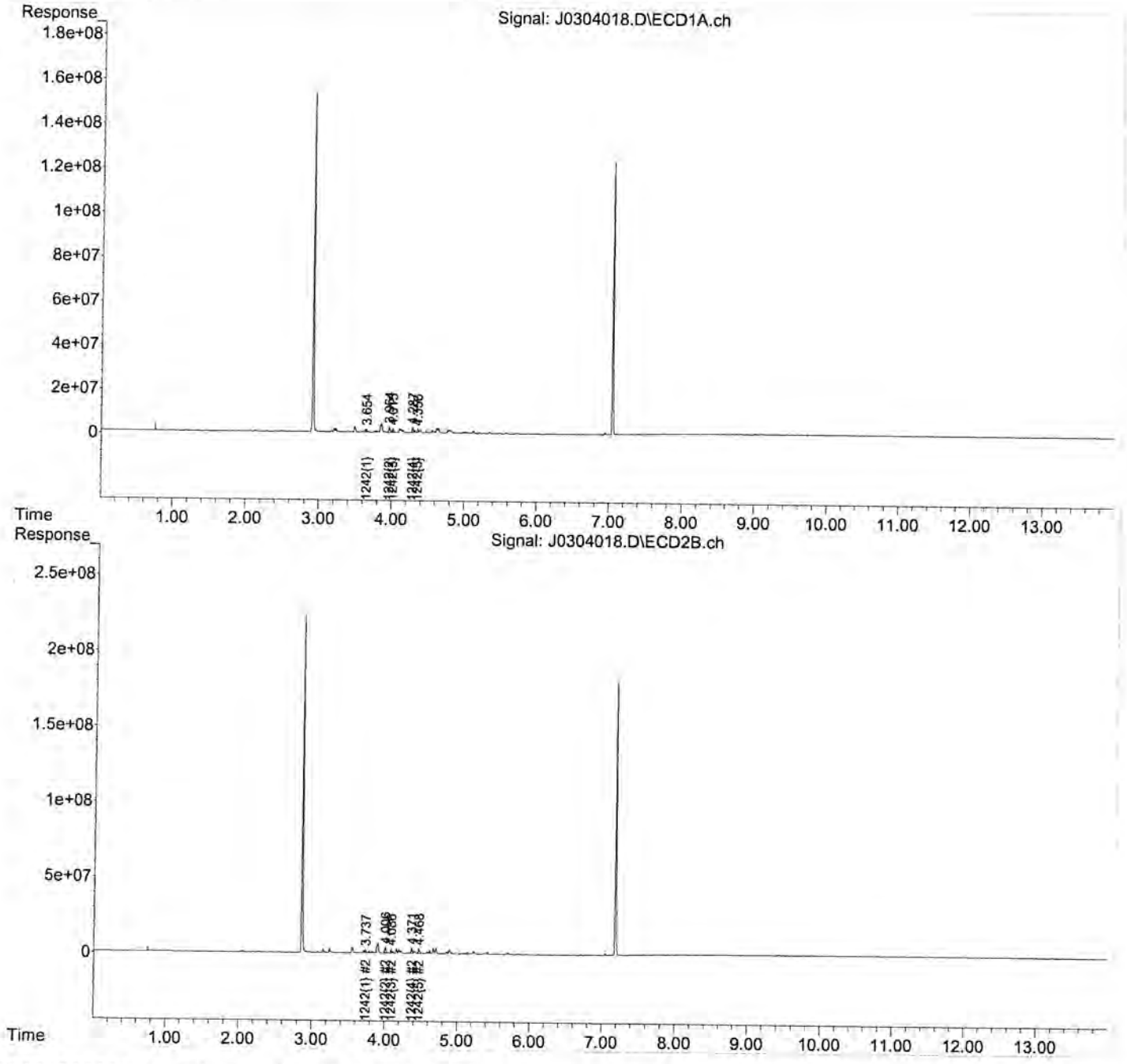
10-1248-030221.M Fri Mar 05 07:48:35 2021

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\030421\
Data File : J0304018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Mar 2021 10:30 pm
Operator : JMB
Sample : 1242 100 Inst : ECD10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: F-1242.E
Integration File signal 2: B-1242.E
Quant Time: Mar 05 07:48:41 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1242-030221.M
Quant Title : 1242 12/14/20 09/28/20 ICAL 2000436
QLast Update : Tue Dec 15 11:11:26 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :

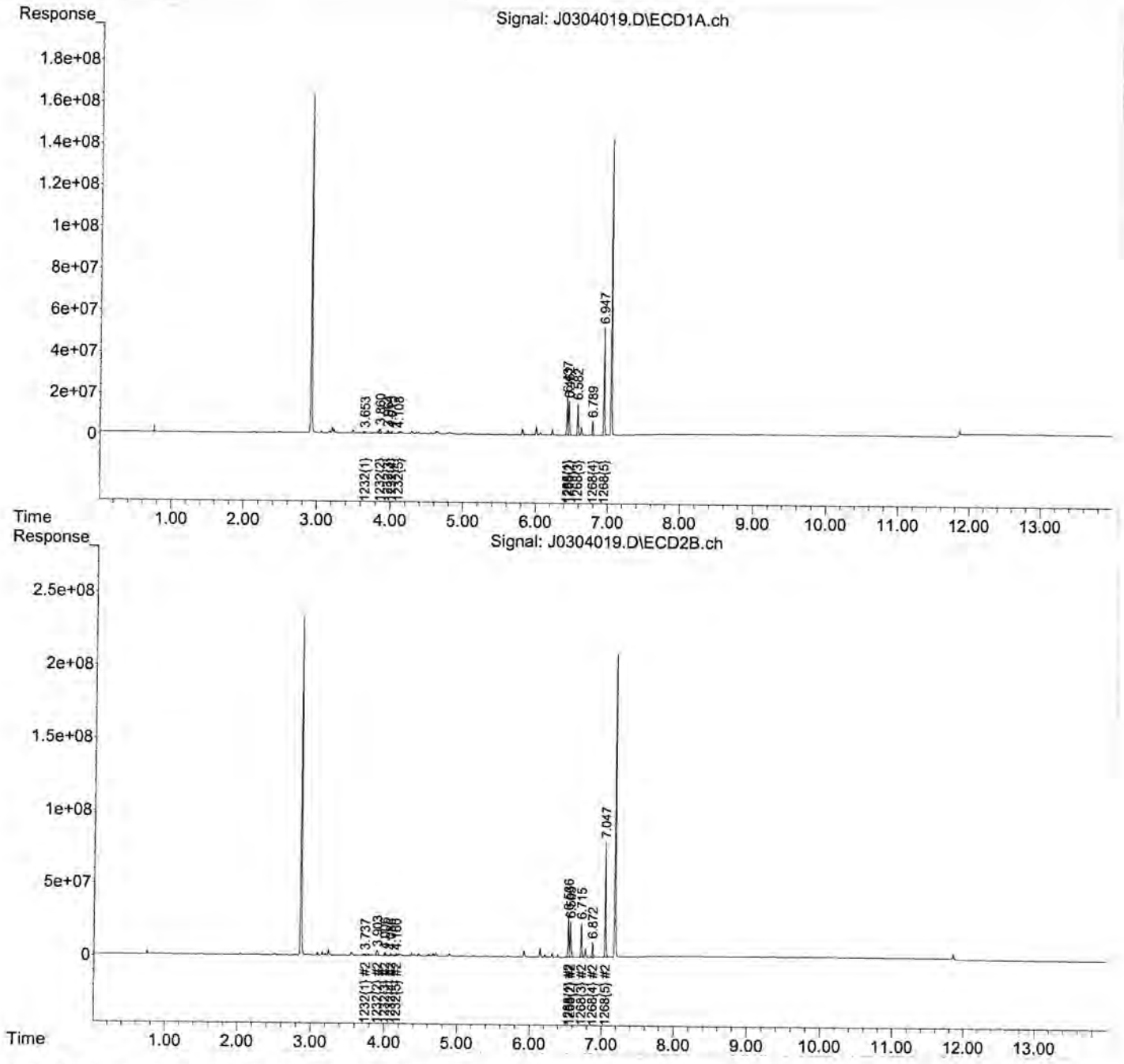


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\030421\
Data File : J0304019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Mar 2021 10:47 pm
Operator : JMB
Sample : 1232/1268 100 Inst : ECD10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: F-1232.E
Integration File signal 2: B-1232.E
Quant Time: Mar 05 07:48:48 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1232-030221.M
Quant Title : 1232/1268 12/14/20 07/10/20 ICAL 2000436
QLast Update : Tue Dec 15 11:49:00 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



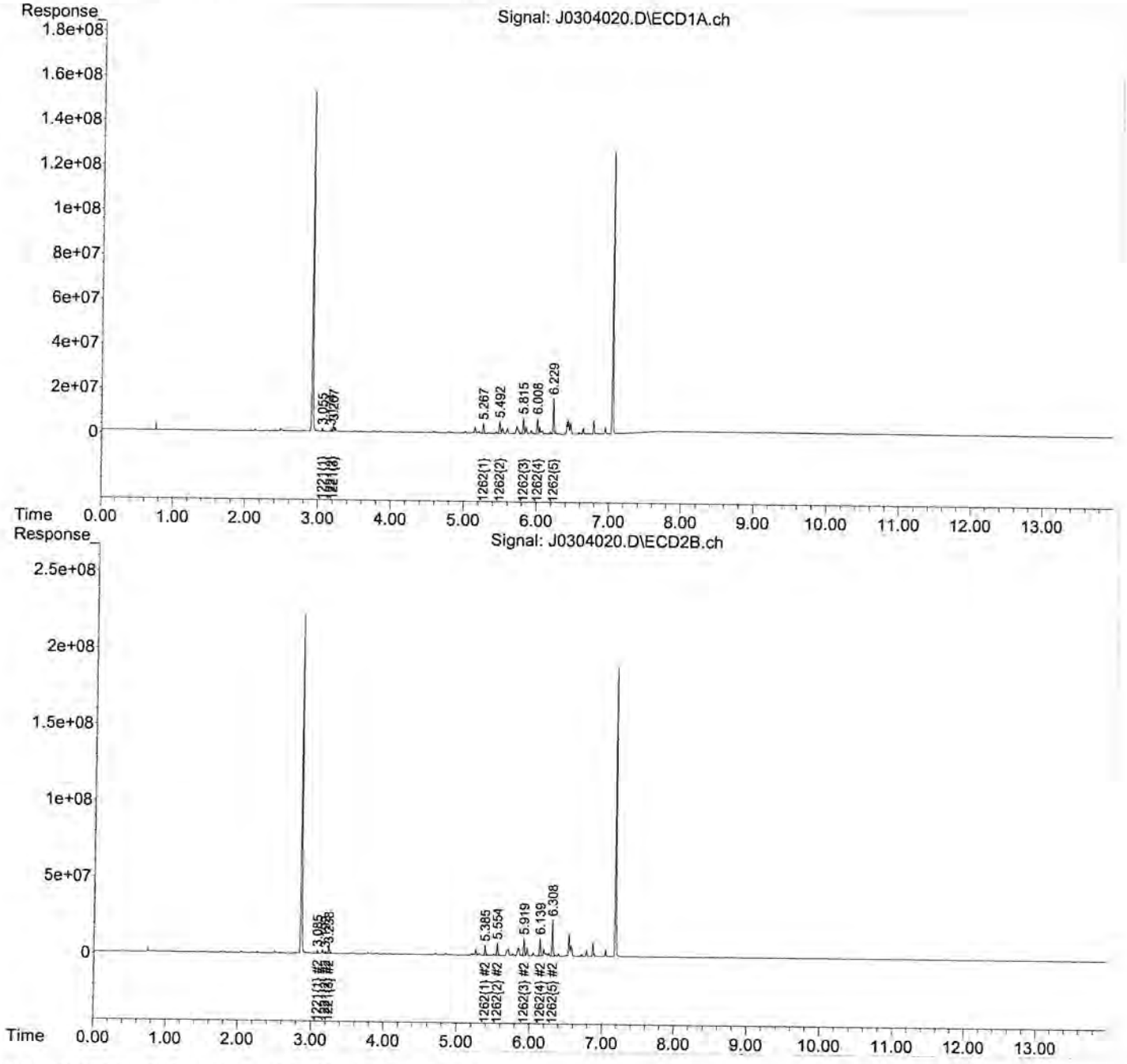
10-1232-030221.M Fri Mar 05 07:48:49 2021

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\030421\
Data File : J0304020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Mar 2021 11:04 pm
Operator : JMB
Sample : 1221/1262 100 Inst : ECD10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: F-1221.E
Integration File signal 2: B-1221.E
Quant Time: Mar 05 07:48:56 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1221-030221.M
Quant Title : 1221/1262 12/14/20 07/10/20 ICAL 2000436
QLast Update : Tue Dec 15 11:17:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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A Pace Analytical® Laboratory

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

March 4, 2021

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

Project Location: 52 Institute Road, Burlington, VT
Client Job Number:
Project Number: 280BS01563 Phase 012
Laboratory Work Order Number: 21B0954

Enclosed are results of analyses for samples received by the laboratory on February 23, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michelle M. Koch
Project Manager

Table of Contents

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A Pace Analytical® Laboratory

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: Jesse Stratton

REPORT DATE: 3/4/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Phase 012

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21B0954

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

PROJECT LOCATION: 52 Institute Road, Burlington, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
212202.A126.123-1017	21B0954-01	Product/Solid		SW-846 8082A	
212202.A93.123-1020	21B0954-02	Product/Solid		SW-846 8082A	
212202.A93.123-1023	21B0954-03	Product/Solid		SW-846 8082A	
212202.A97.123-1026	21B0954-04	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.

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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A Pace Analytical® Laboratory

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

Project Location: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21B0954

Date Received: 2/23/2021

Field Sample #: 212202.A126.123-1017 Sampled: 2/22/2021 08:46

Sample ID: 21B0954-01

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	0.095	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 12:30	SFM
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 12:30	SFM
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 12:30	SFM
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 12:30	SFM
Aroclor-1248 [1]	0.18	0.095	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 12:30	SFM
Aroclor-1254 [2]	0.48	0.095	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 12:30	SFM
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 12:30	SFM
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 12:30	SFM
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 12:30	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	92.3	30-150			3/3/21 12:30
Decachlorobiphenyl [2]	94.7	30-150			3/3/21 12:30
Tetrachloro-m-xylene [1]	92.2	30-150			3/3/21 12:30
Tetrachloro-m-xylene [2]	96.6	30-150			3/3/21 12:30

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Project Location: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21B0954

Date Received: 2/23/2021

Field Sample #: 212202.A93.123-1020 Sampled: 2/22/2021 09:52

Sample ID: 21B0954-02

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	0.087	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 12:48	SFM
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 12:48	SFM
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 12:48	SFM
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 12:48	SFM
Aroclor-1248 [1]	0.13	0.087	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 12:48	SFM
Aroclor-1254 [2]	0.30	0.087	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 12:48	SFM
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 12:48	SFM
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 12:48	SFM
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 12:48	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	99.1	30-150			3/3/21 12:48
Decachlorobiphenyl [2]	99.9	30-150			3/3/21 12:48
Tetrachloro-m-xylene [1]	91.0	30-150			3/3/21 12:48
Tetrachloro-m-xylene [2]	95.3	30-150			3/3/21 12:48

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Project Location: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21B0954

Date Received: 2/23/2021

Field Sample #: 212202.A93.123-1023 Sampled: 2/22/2021 10:32

Sample ID: 21B0954-03

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	0.10	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 13:06	SFM
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 13:06	SFM
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 13:06	SFM
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 13:06	SFM
Aroclor-1248 [1]	0.35	0.10	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 13:06	SFM
Aroclor-1254 [2]	0.76	0.10	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 13:06	SFM
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 13:06	SFM
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 13:06	SFM
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 13:06	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.8	30-150		3/3/21 13:06
Decachlorobiphenyl [2]	92.2	30-150		3/3/21 13:06
Tetrachloro-m-xylene [1]	88.9	30-150		3/3/21 13:06
Tetrachloro-m-xylene [2]	92.6	30-150		3/3/21 13:06

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Project Location: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21B0954

Date Received: 2/23/2021

Field Sample #: 212202.A97.123-1026 Sampled: 2/22/2021 11:31

Sample ID: 21B0954-04

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	0.095	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 13:24	SFM
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 13:24	SFM
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 13:24	SFM
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 13:24	SFM
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 13:24	SFM
Aroclor-1254 [2]	0.52	0.095	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 13:24	SFM
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 13:24	SFM
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 13:24	SFM
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/1/21	3/3/21 13:24	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.9	30-150		3/3/21 13:24
Decachlorobiphenyl [2]	92.9	30-150		3/3/21 13:24
Tetrachloro-m-xylene [1]	87.7	30-150		3/3/21 13:24
Tetrachloro-m-xylene [2]	90.8	30-150		3/3/21 13:24

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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
21B0954-01 [212202.A126.123-1017]	B277274	2.10	10.0	03/01/21
21B0954-02 [212202.A93.123-1020]	B277274	2.30	10.0	03/01/21
21B0954-03 [212202.A93.123-1023]	B277274	2.00	10.0	03/01/21
21B0954-04 [212202.A97.123-1026]	B277274	2.10	10.0	03/01/21

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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 B277274 - SW-846 3540C										
Blank (B277274-BLK1)				Prepared: 03/01/21 Analyzed: 03/03/21						
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	*0.896*		mg/Kg	1.00		89.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.929*		mg/Kg	1.00		92.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.919*		mg/Kg	1.00		91.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.949*		mg/Kg	1.00		94.9	30-150			
LCS (B277274-BS1)				Prepared: 03/01/21 Analyzed: 03/03/21						
Aroclor-1016	0.84	0.10	mg/Kg	1.00		84.3	40-140			
Aroclor-1016 [2C]	0.89	0.10	mg/Kg	1.00		88.5	40-140			
Aroclor-1260	0.80	0.10	mg/Kg	1.00		80.0	40-140			
Aroclor-1260 [2C]	0.80	0.10	mg/Kg	1.00		79.9	40-140			
Surrogate: Decachlorobiphenyl	*0.890*		mg/Kg	1.00		89.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.926*		mg/Kg	1.00		92.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.927*		mg/Kg	1.00		92.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.967*		mg/Kg	1.00		96.7	30-150			
LCS Dup (B277274-BSD1)				Prepared: 03/01/21 Analyzed: 03/03/21						
Aroclor-1016	0.83	0.10	mg/Kg	1.00		83.1	40-140	1.39	30	
Aroclor-1016 [2C]	0.86	0.10	mg/Kg	1.00		86.3	40-140	2.48	30	
Aroclor-1260	0.81	0.10	mg/Kg	1.00		81.1	40-140	1.46	30	
Aroclor-1260 [2C]	0.80	0.10	mg/Kg	1.00		80.2	40-140	0.452	30	
Surrogate: Decachlorobiphenyl	*0.893*		mg/Kg	1.00		89.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.928*		mg/Kg	1.00		92.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.842*		mg/Kg	1.00		84.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.887*		mg/Kg	1.00		88.7	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

212202.A126.123-1017

Lab Sample ID: 21B0954-01 Date(s) Analyzed: 03/03/2021 03/03/2021

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	0.18	
	2	0.000	0.000	0.000	0.17	5.7
Aroclor-1254	1	0.000	0.000	0.000	0.43	
	2	0.000	0.000	0.000	0.48	11.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

212202.A93.123-1020

Lab Sample ID: 21B0954-02 Date(s) Analyzed: 03/03/2021 03/03/2021

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	0.13	
	2	0.000	0.000	0.000	0.12	8.0
Aroclor-1254	1	0.000	0.000	0.000	0.27	
	2	0.000	0.000	0.000	0.30	10.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

212202.A93.123-1023

Lab Sample ID: 21B0954-03 Date(s) Analyzed: 03/03/2021 03/03/2021

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	0.35	
	2	0.000	0.000	0.000	0.33	5.9
Aroclor-1254	1	0.000	0.000	0.000	0.70	
	2	0.000	0.000	0.000	0.76	8.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

212202.A97.123-1026

Lab Sample ID: 21B0954-04 Date(s) Analyzed: 03/03/2021 03/03/2021

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	0.48	
	2	0.000	0.000	0.000	0.52	8.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B277274-BS1 Date(s) Analyzed: 03/03/2021 03/03/2021

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	0.84	
	2	0.000	0.000	0.000	0.89	5.8
Aroclor-1260	1	0.000	0.000	0.000	0.80	
	2	0.000	0.000	0.000	0.80	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B277274-BSD1 Date(s) Analyzed: 03/03/2021 03/03/2021

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	0.83	
	2	0.000	0.000	0.000	0.86	3.6
Aroclor-1260	1	0.000	0.000	0.000	0.81	
	2	0.000	0.000	0.000	0.80	1.2

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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 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	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2021
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2021
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2021
FL	Florida Department of Health	E871027 NELAP	06/30/2021
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2021
ME	State of Maine	MA00100	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2021
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2021
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

21B0954

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http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 2_06262019

Company Name: [illegible]
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980
Project Name: [illegible]
Project Location: 52 Institue Road, Burlington, Vermont
Project Number: 280BS01563 Phase 012
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: J. Adams, N. Amato, K. Paritz

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

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

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 Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
1	212202.A126.123-1017	02/22/2021	0840	Grab	O	U		1				✓	✓
2	212202.A93.123-1020	02/22/2021	0952	Grab	O	U		1				✓	✓
3	212202.A93.123-1023	02/22/2021	1032	Grab	O	U		1				✓	✓
4	212202.A97.123-1026	02/22/2021	1131	Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓
		02/22/2021		Grab	O	U		1				✓	✓

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS 12
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)

Relinquished by: (signature)	Date/Time:
[signature]	2/22/21 1600
Received by: (signature)	Date/Time:
[signature]	2/22/21 1600
Relinquished by: (signature)	Date/Time:
[signature] GMM	2/23/21 12:45 pm
Received by: (signature)	Date/Time:
[signature]	2/23/21 1245
Relinquished by: (signature)	Date/Time:
[signature]	2/23/21 1445
Received by: (signature)	Date/Time:
[signature]	2.0 2/23/21 1445
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments: Hold samples ending in -1017, -1020, -1023, -1026 until further notice

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab 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

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

con-test® ANALYTICAL LABORATORY

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 ATL

Received By _____ Date 2/23/21 Time 1445

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 Project T Analysis T ID's T Sampler Name 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	4
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:

Meghan Kelley

From: Jim Georgantas <jgeorgantas@contestlabs.com> on behalf of Jim Georgantas
Sent: Friday, February 26, 2021 3:06 PM
To: Kari Paritz; Meghan Kelley; Michelle Koch
Subject: RE: BHS PCB/ATC#280BS01563

Hi Kari,

Tom gave me a call, and would like us to extract & hold all of the samples that were submitted. We will be placing all of the 2nd page and 3rd page samples on E&H. If you have any questions please let us know.

Thanks,
Jim

James Georgantas

Account Executive

39 Spruce Street, East Longmeadow, MA 01028

o: 413.525.2332 | m: 413.278-1034 | contestlabs.com

Rapid Response Line: 877.859.7778

con-test®
A Pace Analytical® Laboratory

From: Kari Paritz [mailto:Kari.Paritz@atcgs.com]
Sent: Friday, February 26, 2021 12:23 PM
To: Meghan Kelley; Jim Georgantas; Michelle Koch
Subject: RE: BHS PCB/ATC#280BS01563

Yes. Please conduct extraction and hold.

Kari A. Paritz | ENVIRONMENTAL TECHNICIAN | ATC Group Services LLC
Office +1 802 862 1980 | Direct +1 802 871 8353 | Cell +1 802 595 2524

ATLAS
ATC

51 Knight Lane PO Box 1486 | Williston, Vermont 05495
kari.paritz@atcgs.com | www.atcgroupservices.com

From: Meghan Kelley <mkelley@contestlabs.com>
Sent: Friday, February 26, 2021 12:16 PM
To: Kari Paritz <Kari.Paritz@atcgs.com>; Jim Georgantas <jgeorgantas@contestlabs.com>; Michelle Koch <michelle.koch@contestlabs.com>
Subject: RE: BHS PCB/ATC#280BS01563

Hi Kari,

Please confirm these three COCs should be extracted and held?

-Meghan

From: Kari Paritz [mailto:Kari.Paritz@atcgs.com]
Sent: Friday, February 26, 2021 11:10 AM
To: Jim Georgantas <jgeorgantas@contestlabs.com>; Michelle Koch <michelle.koch@contestlabs.com>; mkelley@contestlabs.com
Subject: BHS PCB/ATC#280BS01563

Thank you all for working with me through this project.

As discussed on the phone this morning with Jim,
Extraction and analysis will continue for the samples on page one of the COCs.
Please conduct extraction for the samples on page two, hold and then if needed, analyze the subsequent sample.
Once we know the samples from page two that need to be analyze, please conduct extraction on the subsequent samples on page three.
Then analyze those from page three if needed.

Each round will be for seven (7) day turn around time.

Thank you,

Kari A. Paritz | ENVIRONMENTAL TECHNICIAN | ATC Group Services LLC
Office +1 802 862 1980 | Direct +1 802 871 8353 | Cell +1 802 595 2524

51 Knight Lane PO Box 1486 | Williston, Vermont 05495
kari.paritz@atcgs.com | www.atcgroupservices.com

PREPARATION BENCH SHEET

Printed: 3/1/2021 5:41:29PM

Analysis
8082 Soxhlet

B277274

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Matrix: Product/Solid

Surrogate Solution
2102095 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

2.00g

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B277274-BLK1	Blank			TyH 3/2/21	BHSRack-77		10.0		1000		
B277274-BS1	LCS							1000	1000		
B277274-BSD1	LCS Dup							1000	1000		
21B0953-03	212202.A93.123-104 4C	03/09/21	03/08/21			2.2			1000	Ext and Hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21B0953-04	212202.A97.123-1027	03/09/21	03/08/21			2.2			1000	Ext and Hold - RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21B0954-01	212202.A126.123-1017	03/04/21	03/08/21			2.1			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21B0954-02	212202.A93.123-1020	03/04/21	03/08/21			2.3			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21B0954-03	212202.A93.123-1023	03/04/21	03/08/21			2.0			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7
21B0954-04	212202.A97.123-1026	03/04/21	03/08/21			2.1			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	7

Start Date/Time 3.1.21 @ 21:15.

StopDate/Time 3/2/21 15:27

Standard ID#	Description	Manufacture Lot#
2011238	Distilled Solvent Hexanes:Acetone	2:1 Hexanes:Ace
2102078	Hexanes	60311
2102079	Acetone	EA362-US
2102231	Distilled Solvent - MeCl2	DCM/ACE

S/10: 83400760046.

2102300 Fluted paper AHF 3.1.21
2102065 Sodium Sulfate (anhy) AHF 3.1.21.

SP WH
AHF SAH 3.1.21
Spikedby/Witnessed By Date

AHA 3.1.21.
Extracted By Date

* 954 W.O prepped by JS 3.3
Loaded 3/3/21 # 3 SM

C:\ELMNT\Print\bch_DEF_EXT_TAT.rpt

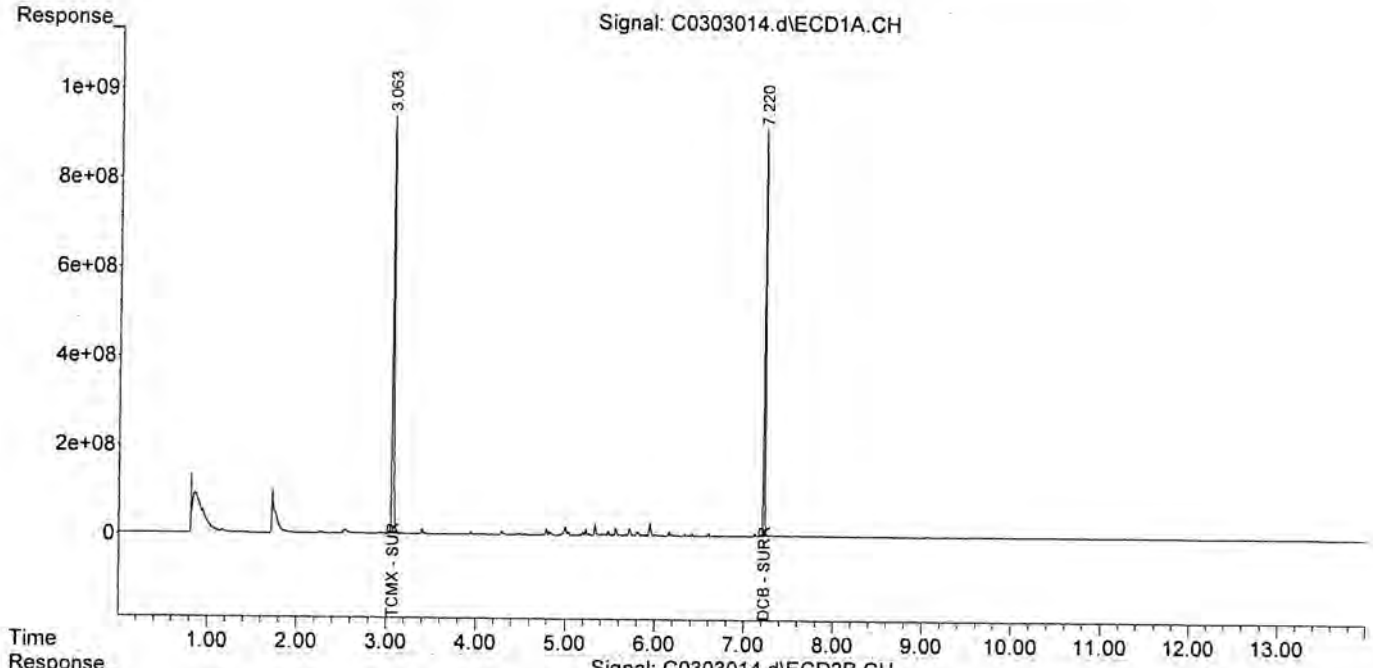
Table of Contents

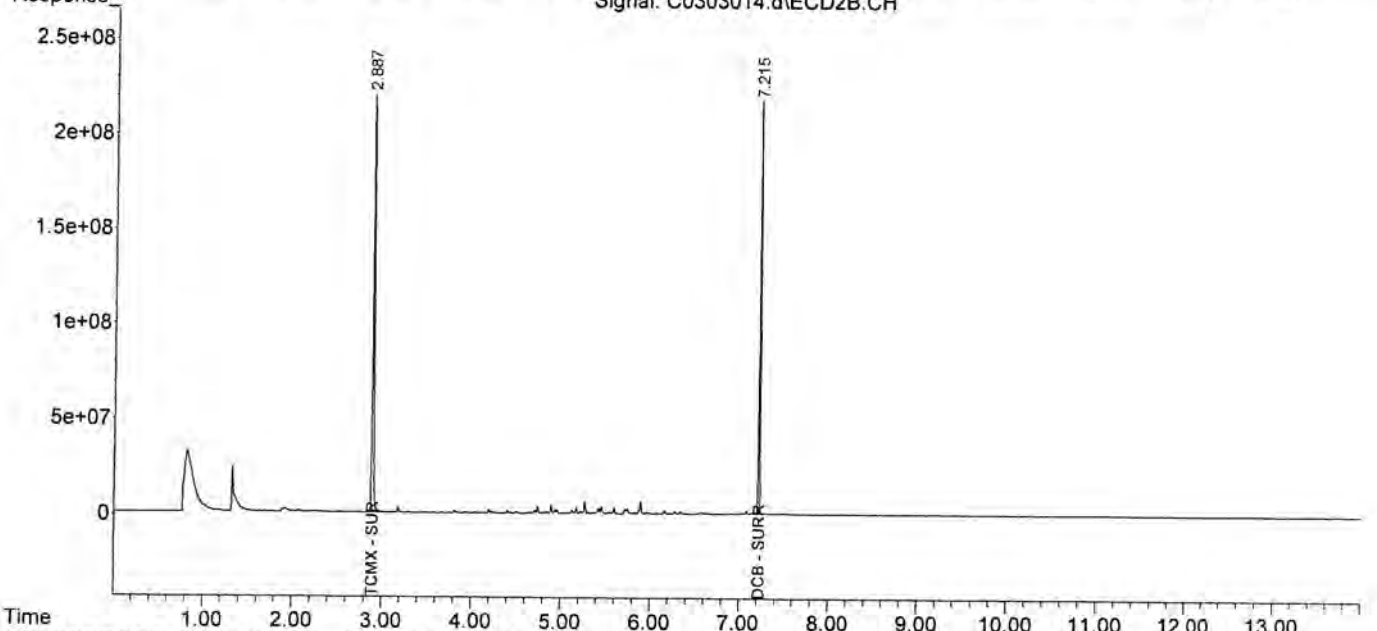
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\030321\
Data File : C0303014.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 12:30 pm
Operator : JMB
Sample : 21B0954-01@TBA Inst : DUAL ECD3
Misc :
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Mar 03 14:29:28 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-022221C.M
Quant Title : 1260/1016 02/22/21 02/02/21 ICAL 2100052
QLast Update : Tue Feb 23 10:07:50 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



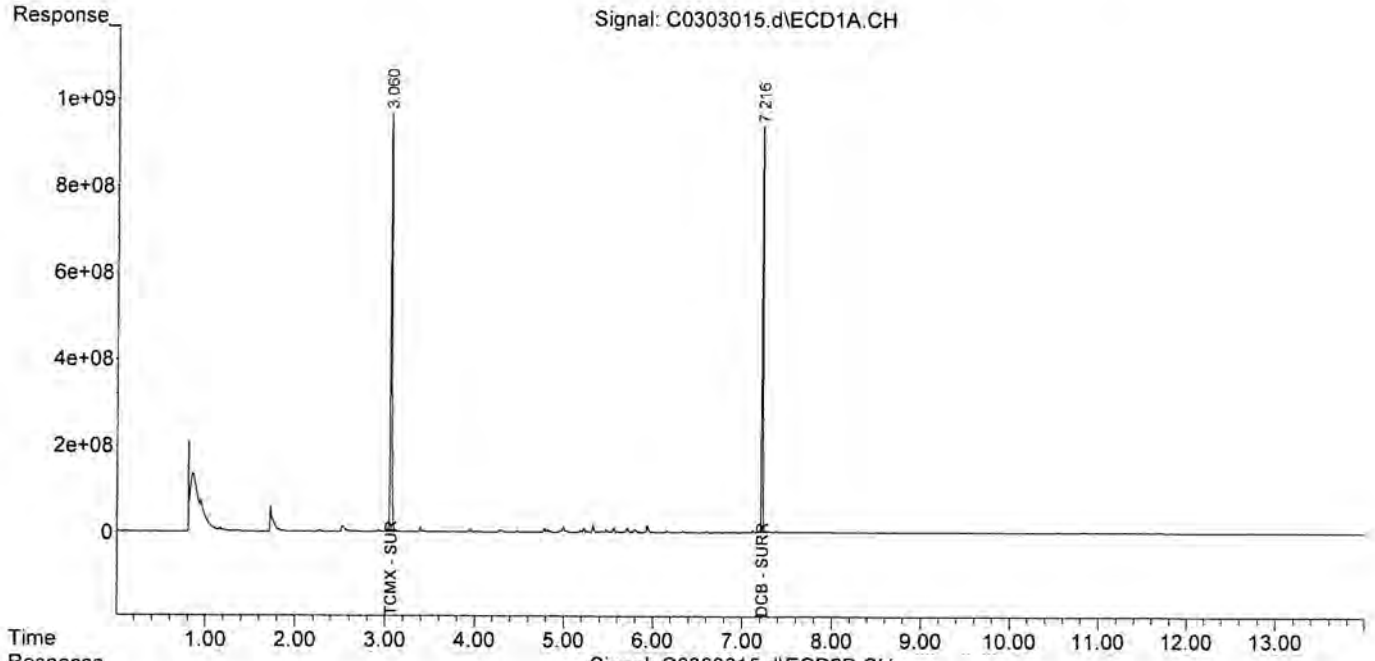


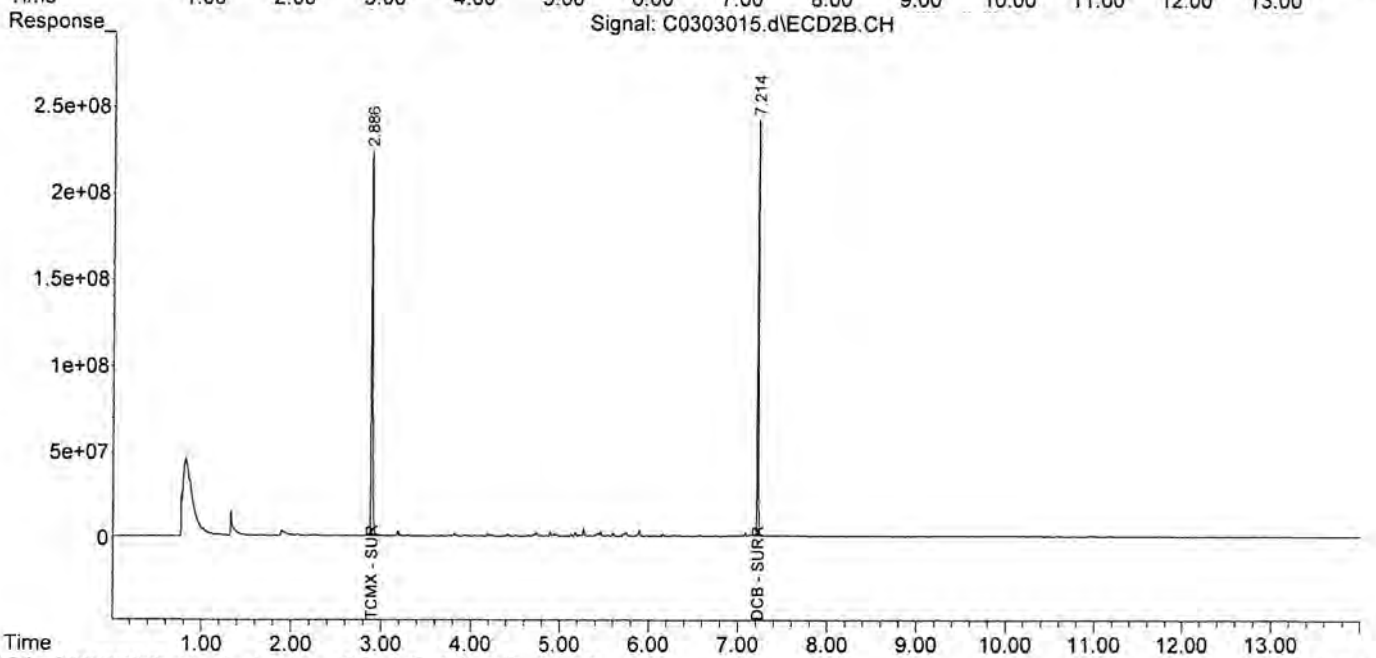
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\030321\
Data File : C0303015.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 12:48 pm
Operator : JMB
Sample : 21B0954-02@TBA Inst : DUAL ECD3
Misc :
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Mar 03 14:30:40 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-022221C.M
Quant Title : 1260/1016 02/22/21 02/02/21 ICAL 2100052
QLast Update : Tue Feb 23 10:07:50 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



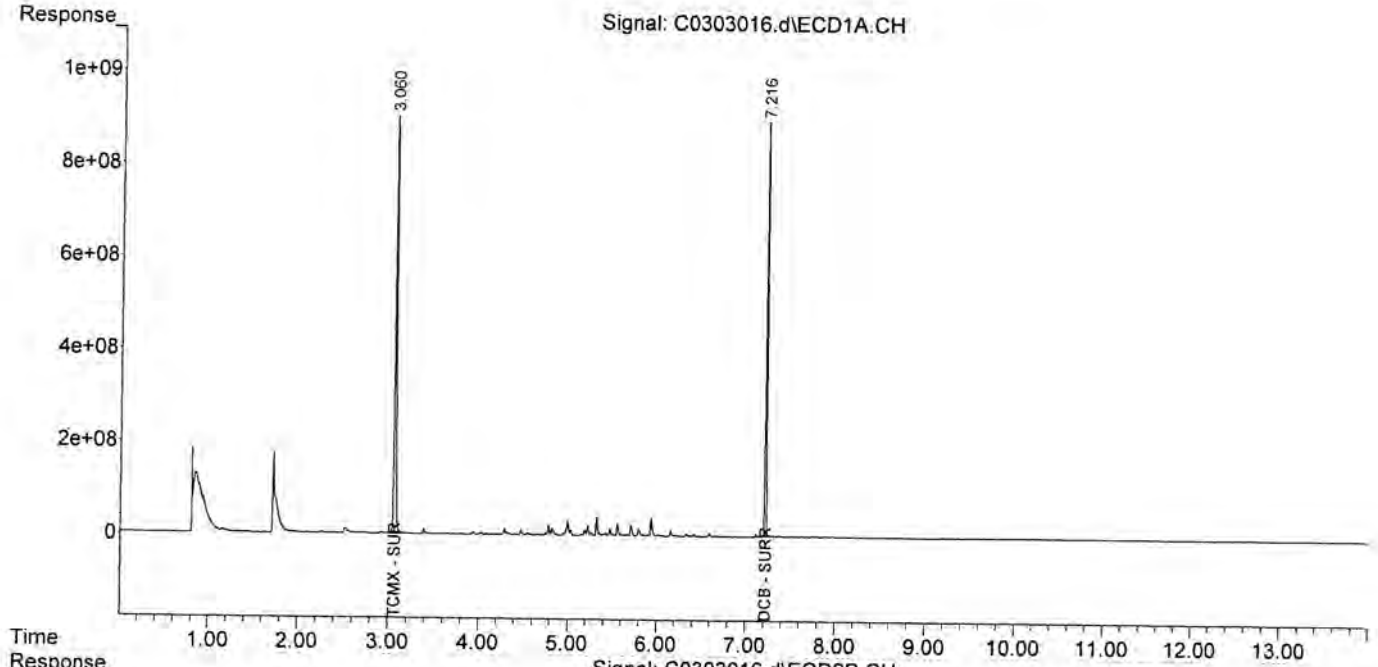


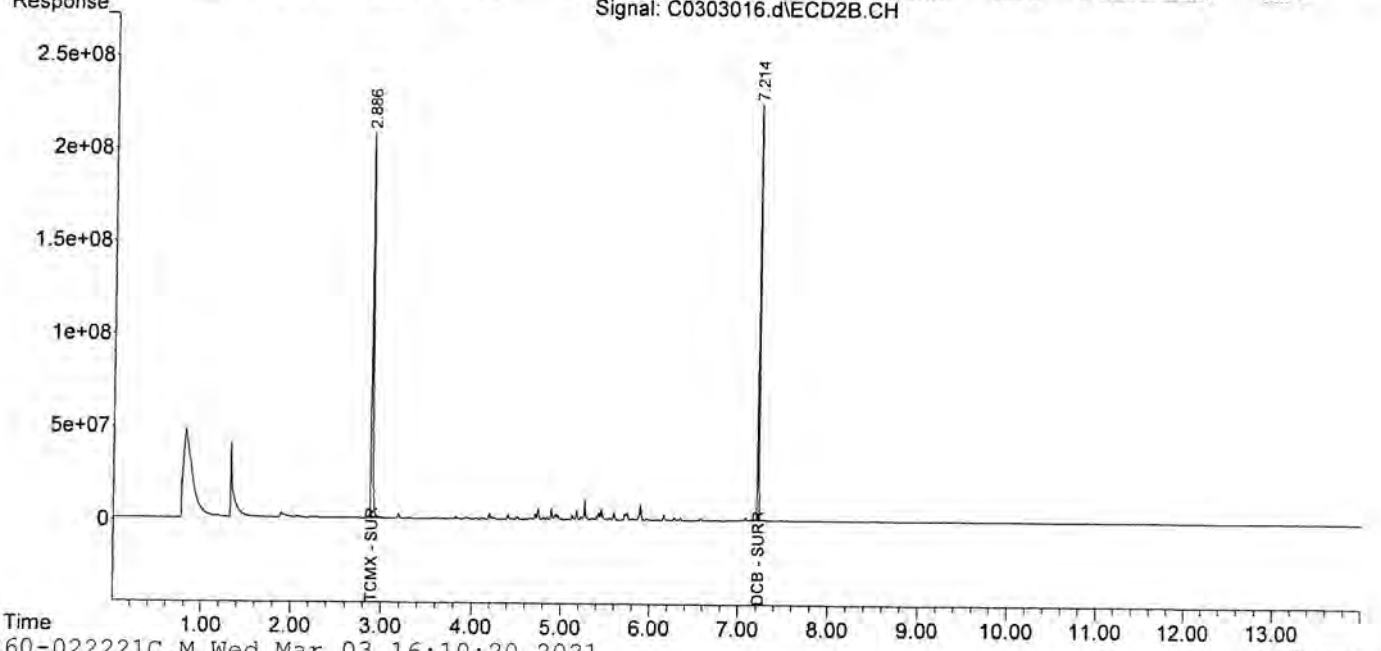
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\030321\
Data File : C0303016.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:06 pm
Operator : JMB
Sample : 21B0954-03@TBA Inst : DUAL ECD3
Misc :
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Mar 03 14:31:33 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-022221C.M
Quant Title : 1260/1016 02/22/21 02/02/21 ICAL 2100052
QLast Update : Tue Feb 23 10:07:50 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



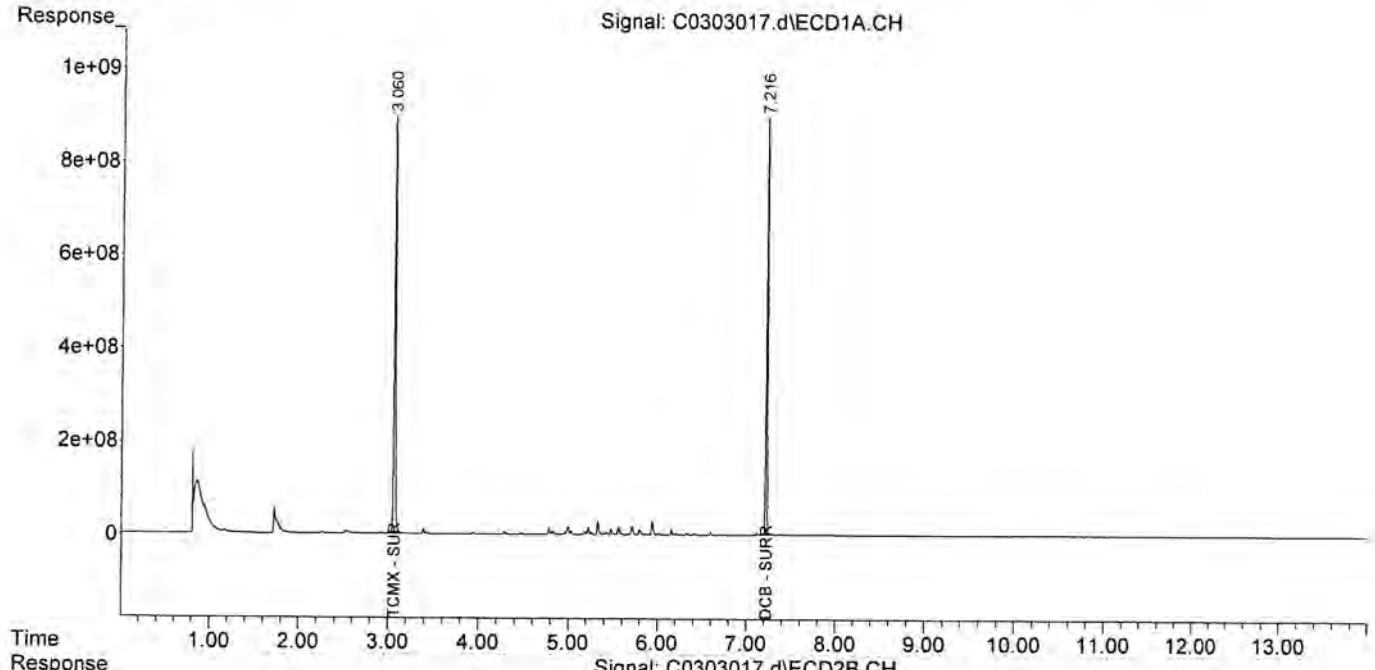


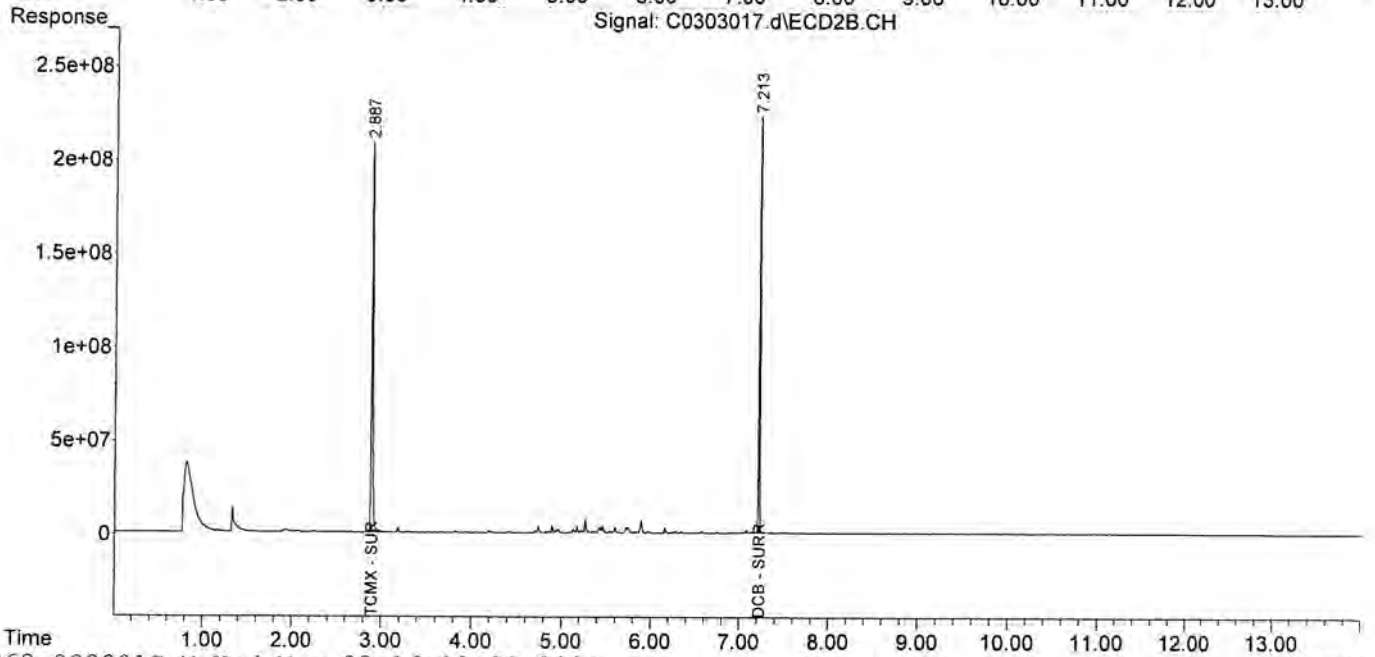
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\030321\
Data File : C0303017.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:24 pm
Operator : JMB
Sample : 21B0954-04@TBA Inst : DUAL ECD3
Misc :
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Mar 03 14:51:02 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-022221C.M
Quant Title : 1260/1016 02/22/21 02/02/21 ICAL 2100052
QLast Update : Tue Feb 23 10:07:50 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



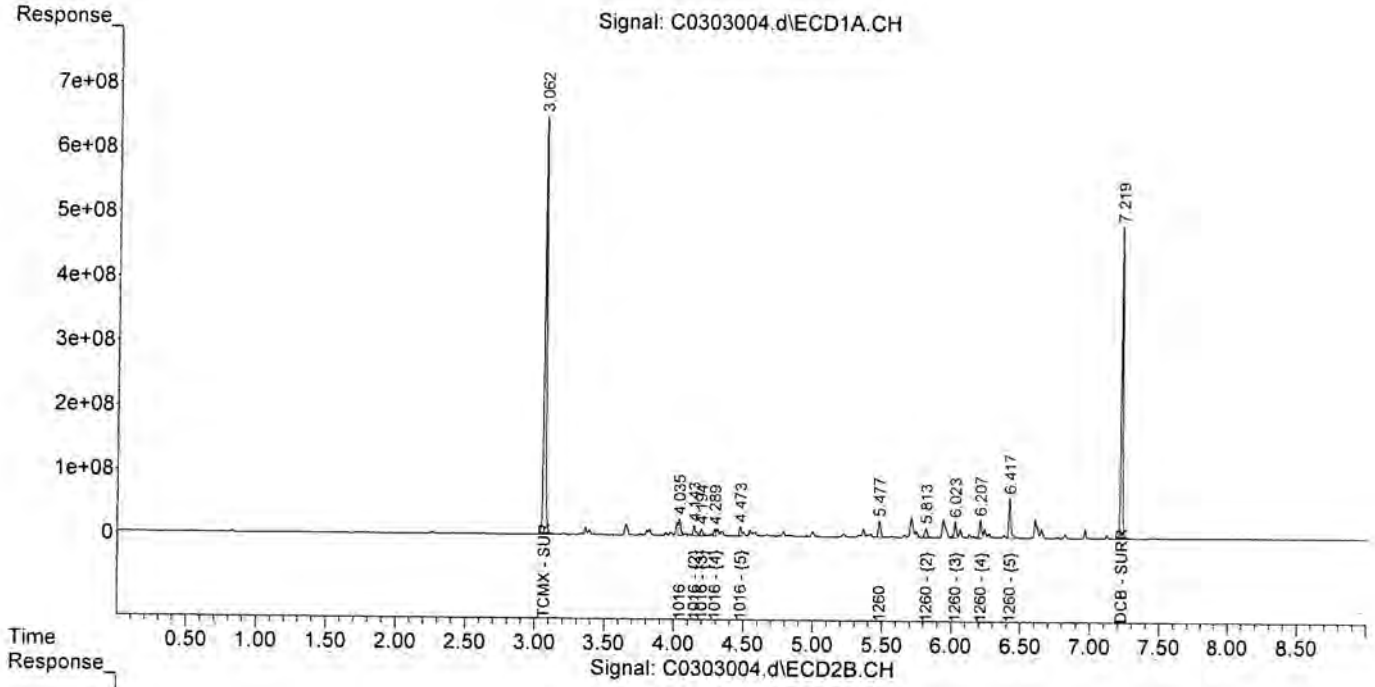


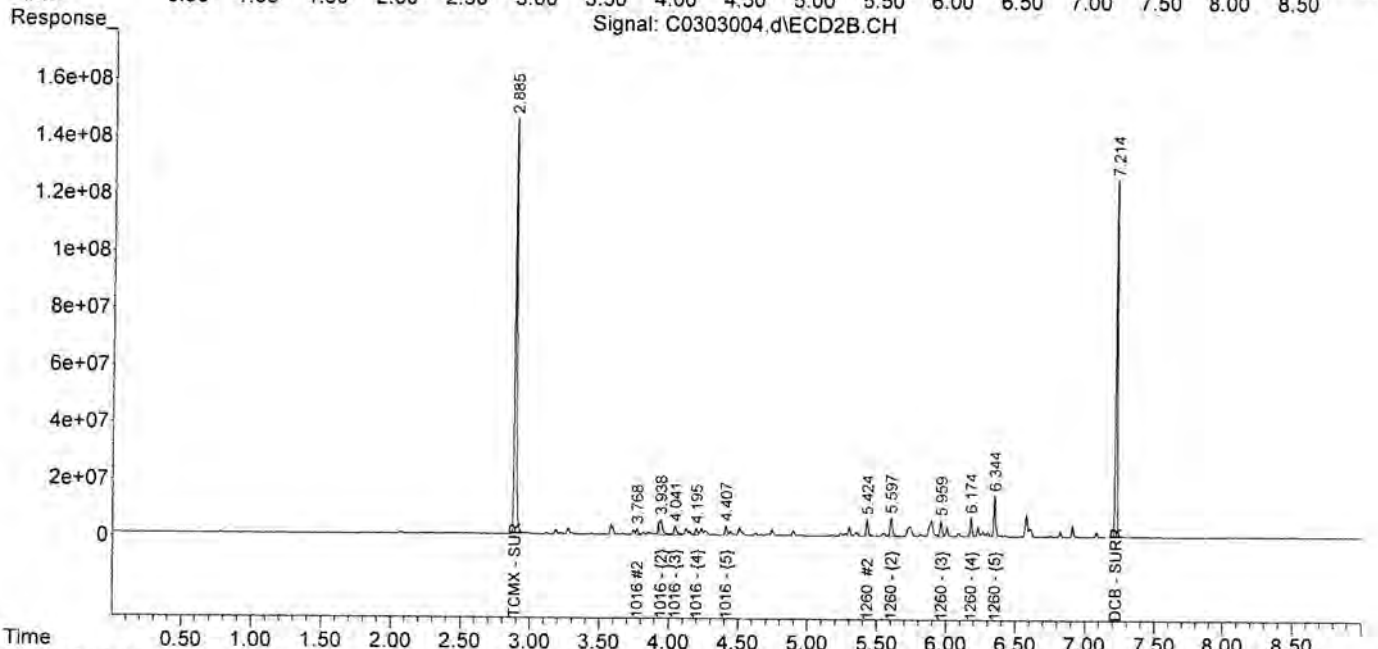
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\030321\
Data File : C0303004.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 10:09 am
Operator : JMB
Sample : 1260/1016 100 Inst : DUAL ECD3
Misc : STD 2102019
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Mar 03 10:38:33 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-022221C.M
Quant Title : 1260/1016 02/22/21 02/02/21 ICAL 2100052
QLast Update : Tue Feb 23 10:07:50 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



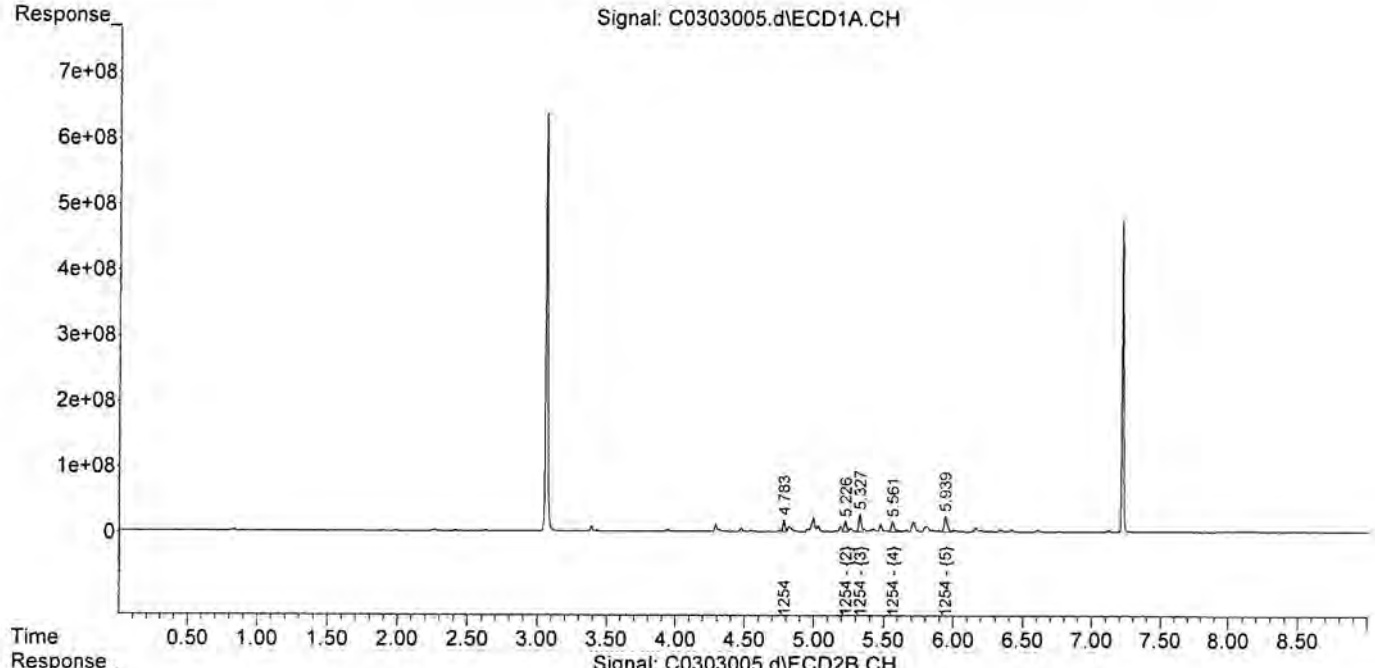


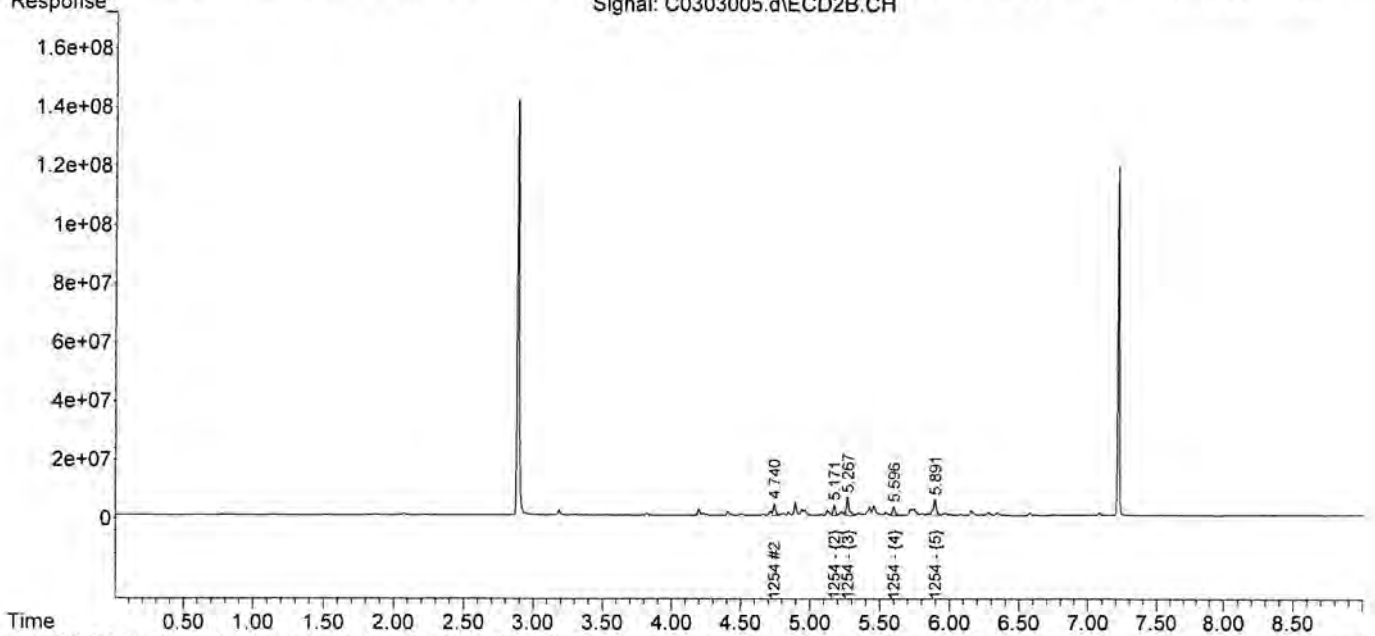
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\030321\
Data File : C0303005.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 10:22 am
Operator : JMB
Sample : 1254 100 Inst : DUAL ECD3
Misc : STD 2010265
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 03 11:05:47 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1254-022221C.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100052
QLast Update : Tue Feb 23 10:13:01 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



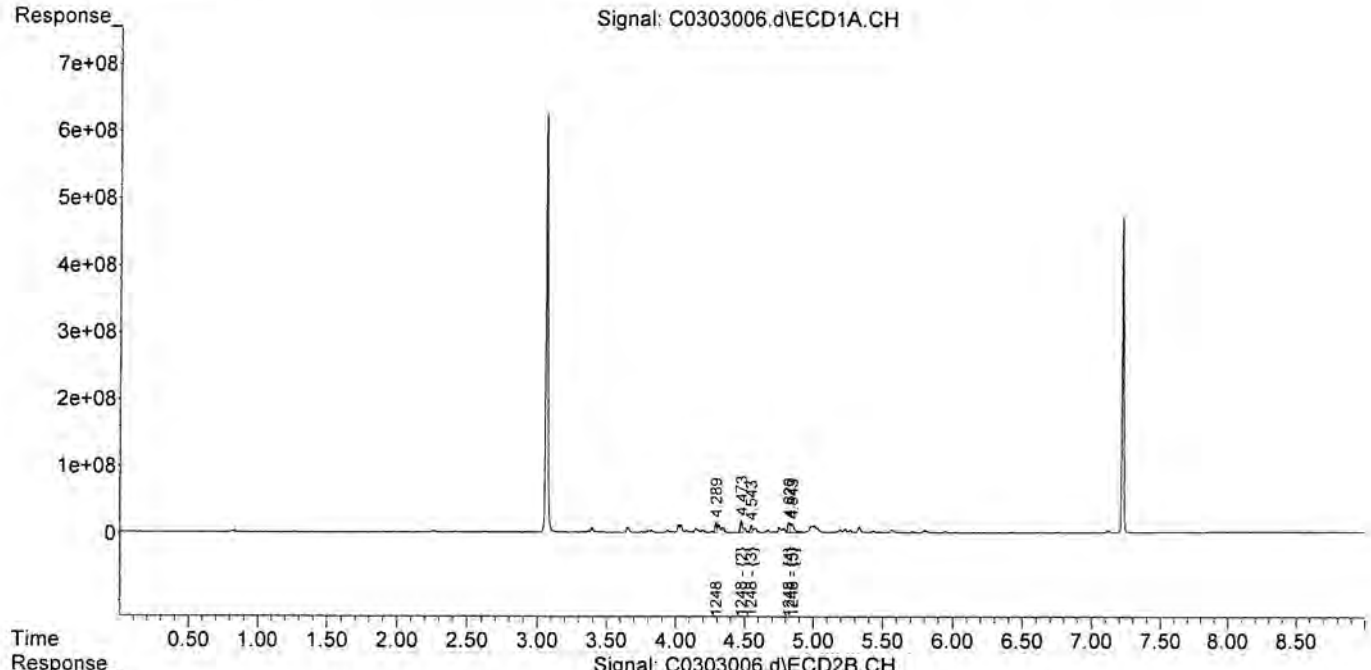


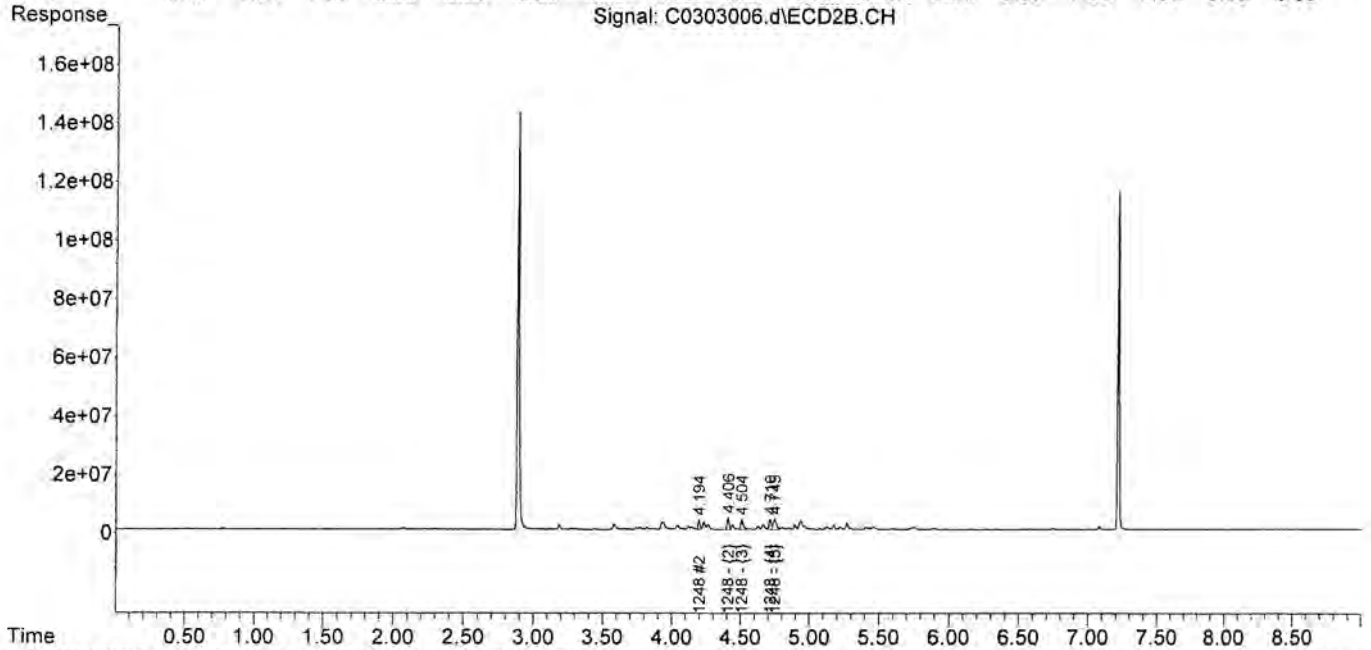
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\030321\
Data File : C0303006.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 10:35 am
Operator : JMB
Sample : 1248 100 Inst : DUAL ECD3
Misc : STD 2010210
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: F-1248.E
Integration File signal 2: B-1248.E
Quant Time: Mar 03 11:06:07 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1248-022221C.M
Quant Title : 1248 02/22/21 10/14/20 ICAL 2100052
QLast Update : Tue Feb 23 10:21:23 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



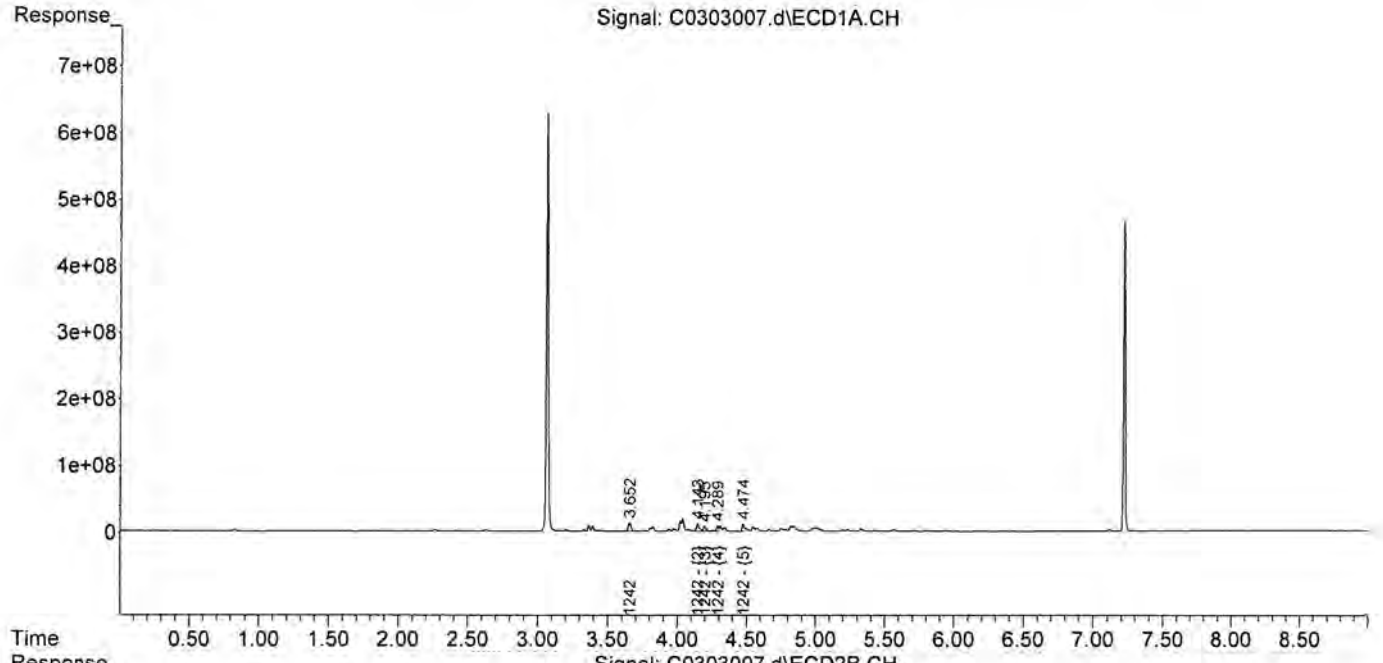


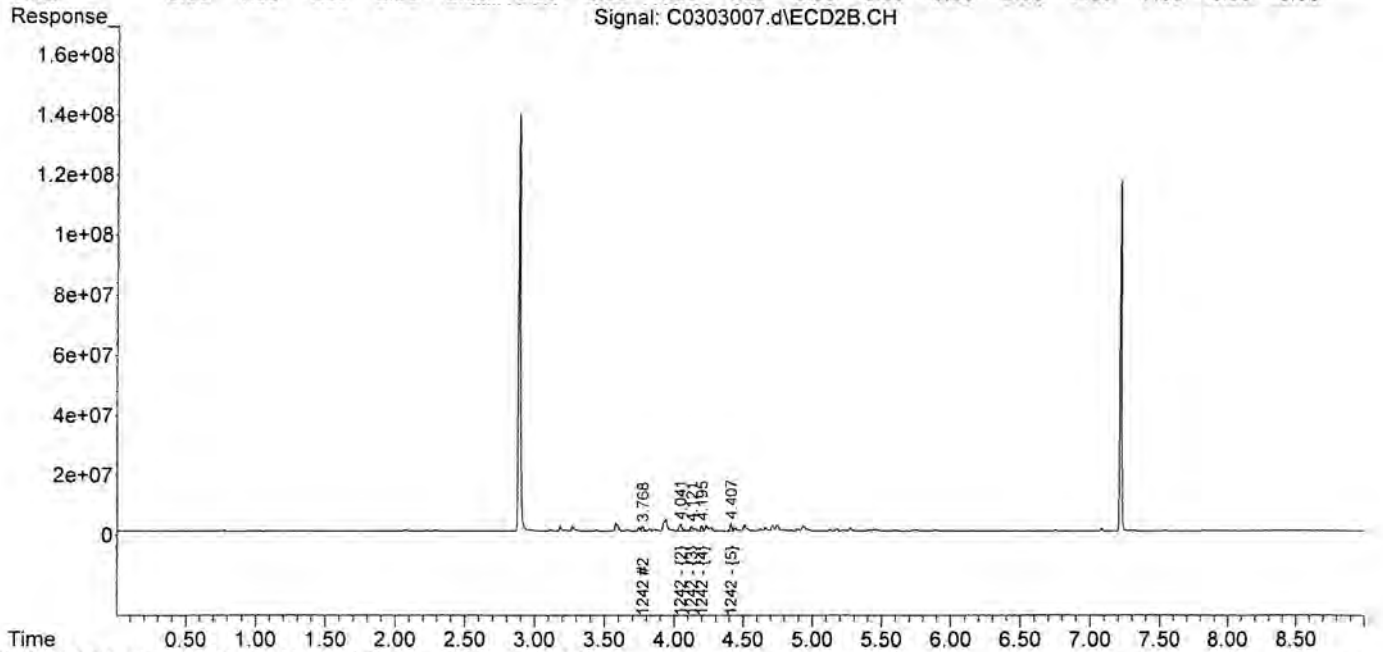
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\030321\
Data File : C0303007.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 10:47 am
Operator : JMB
Sample : 1242 100 Inst : DUAL ECD3
Misc : STD 2009334
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: F-1242.E
Integration File signal 2: B-1242.E
Quant Time: Mar 03 11:06:34 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1242-022221C.M
Quant Title : 1242 02/22/21 09/28/20 ICAL 2100052
QLast Update : Tue Feb 23 10:33:50 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



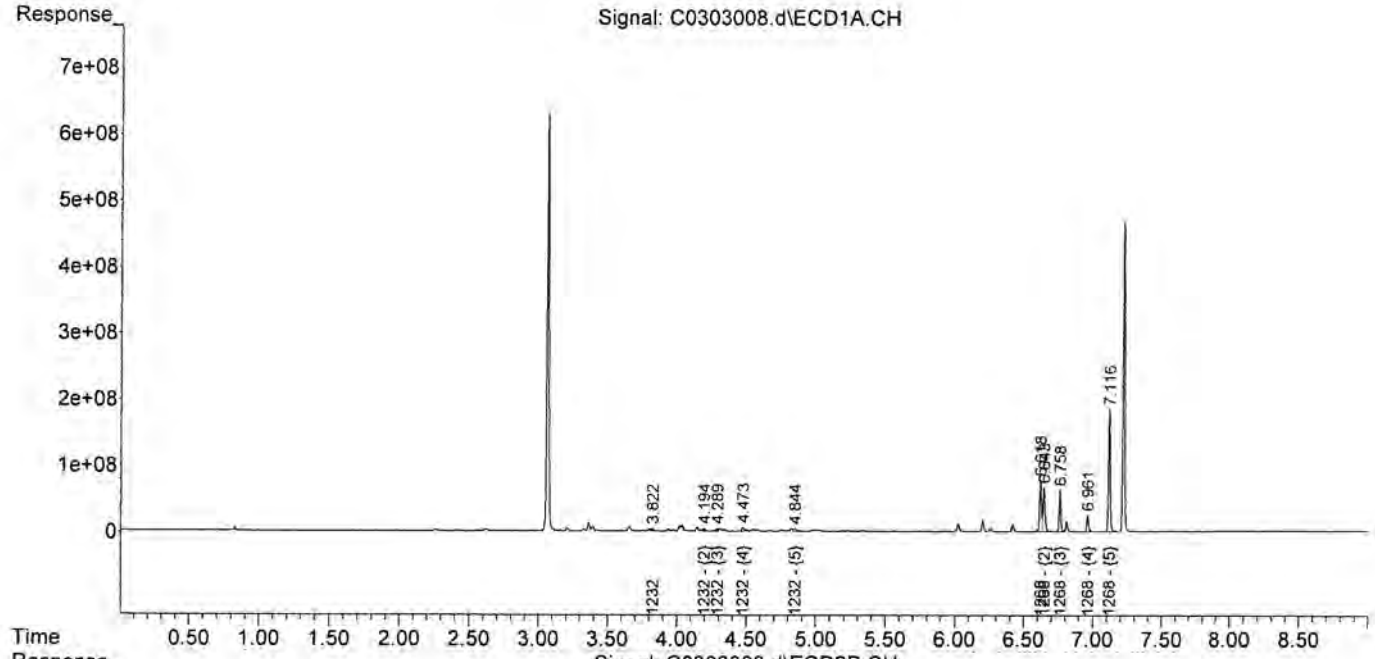


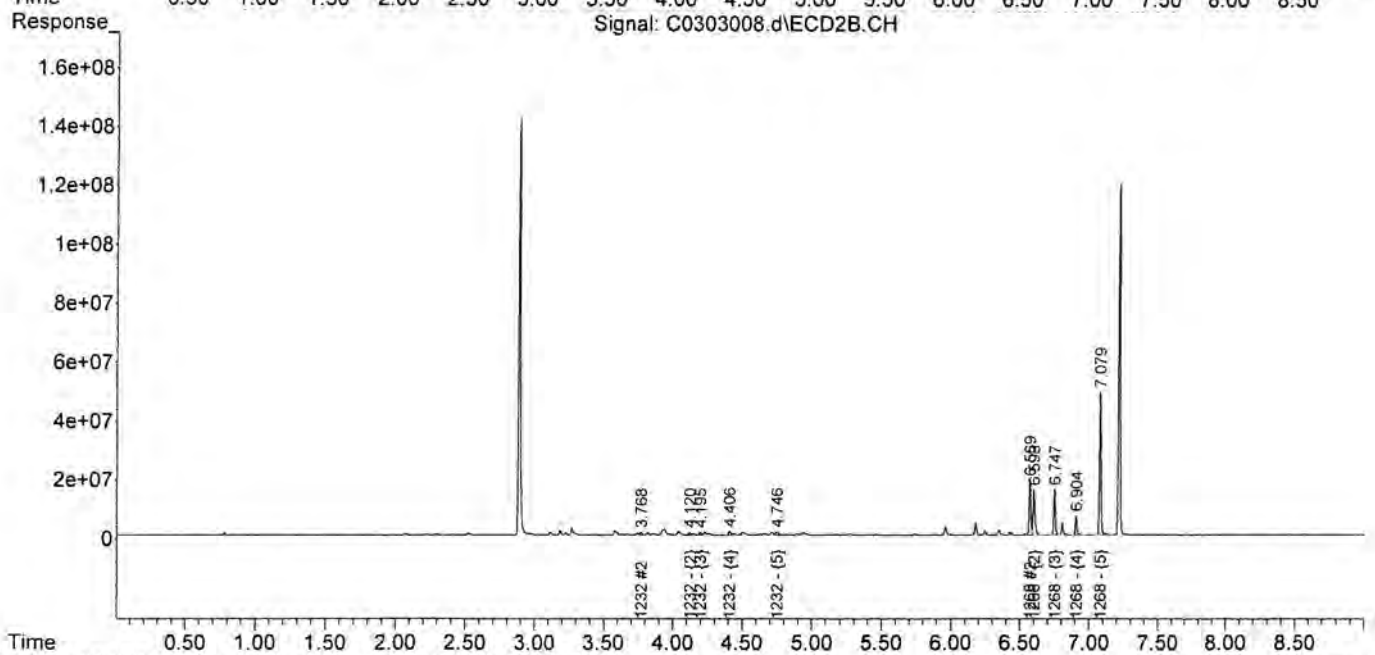
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\030321\
Data File : C0303008.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 11:00 am
Operator : JMB
Sample : 1232/1268 100 Inst : DUAL ECD3
Misc : STD 2012310
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: F-1232.E
Integration File signal 2: B-1232.E
Quant Time: Mar 03 11:12:02 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1232-022221.M
Quant Title : 1232/1268 01/25/21 12/22/20 ICAL 2100025
QLast Update : Tue Jan 26 11:49:34 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



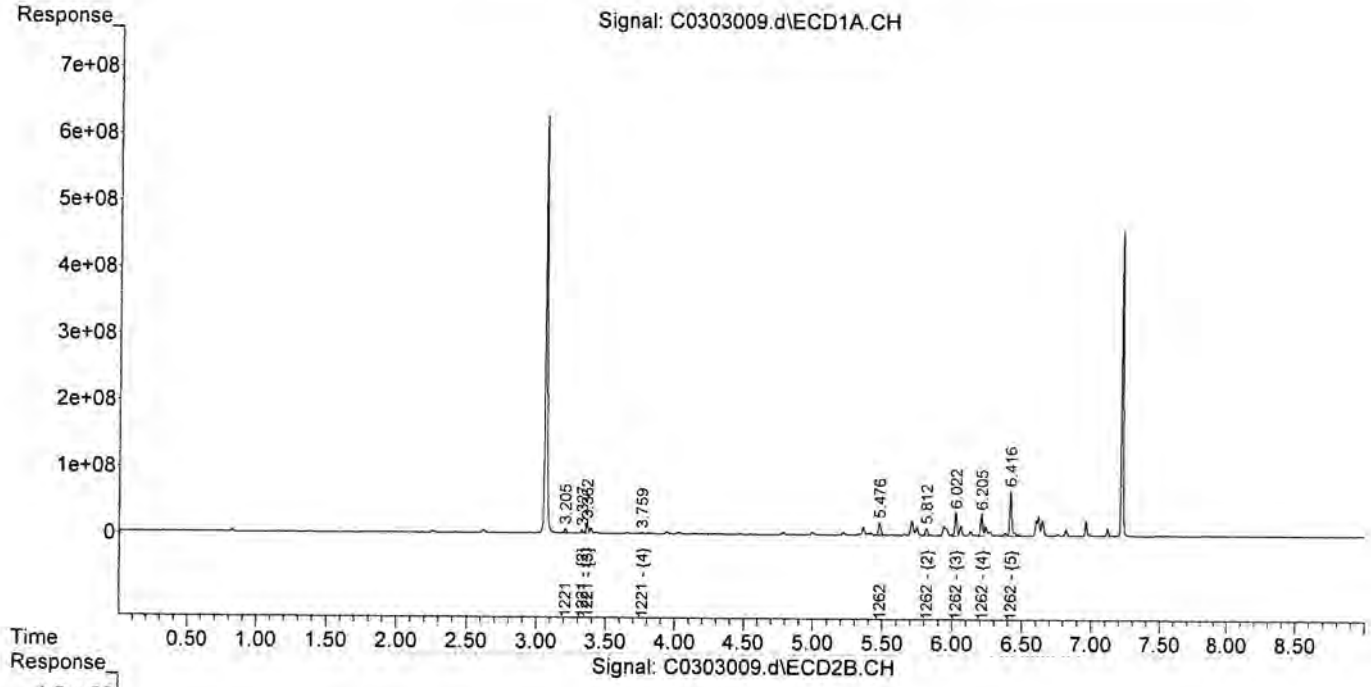


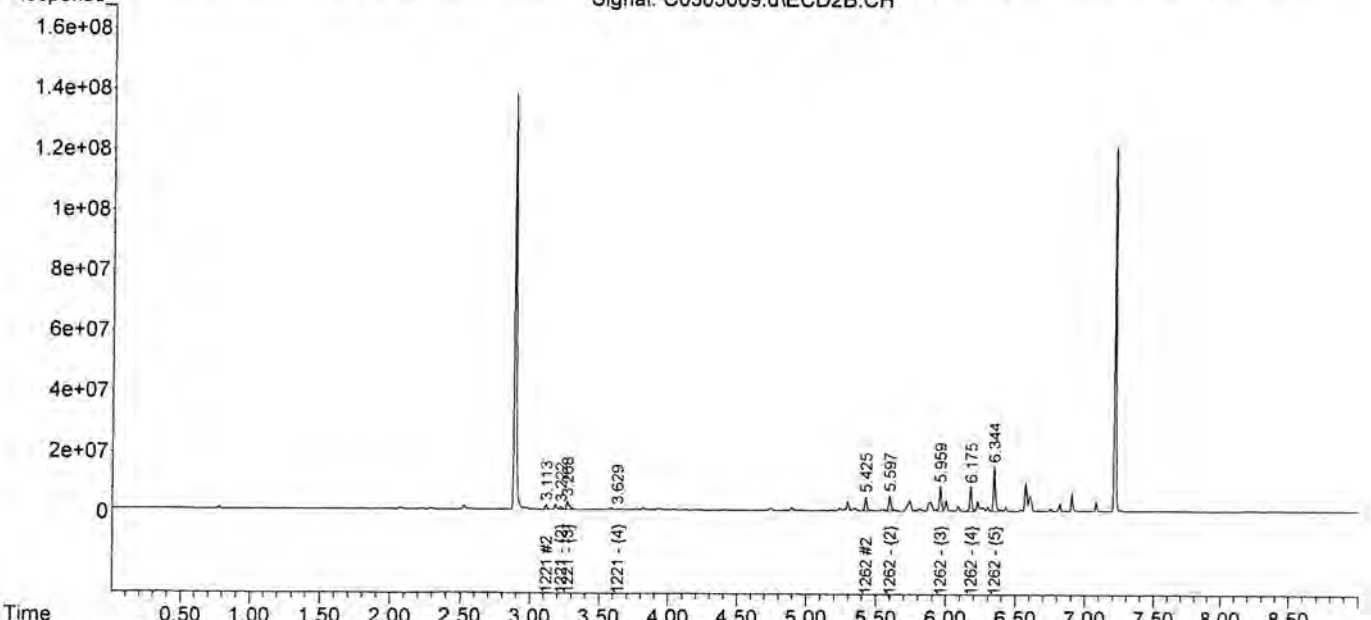
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\030321\
Data File : C0303009.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 11:13 am
Operator : JMB
Sample : 1221/1262 100 Inst : DUAL ECD3
Misc : STD 2012379
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: F-1221.E
Integration File signal 2: B-1262.E
Quant Time: Mar 03 11:37:54 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1221-022221.M
Quant Title : 1221/1262 01/25/21 12/29/20 ICAL 2100025
QLast Update : Tue Jan 26 11:54:02 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





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March 22, 2021

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

Project Location: 52 Institue Rd, Burlington, VT
Client Job Number:
Project Number: 280BS01563 Phase 012
Laboratory Work Order Number: 21C0909

Enclosed are results of analyses for samples received by the laboratory on March 17, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michelle M. Koch
Project Manager

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

REPORT DATE: 3/22/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Phase 012

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21C0909

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

PROJECT LOCATION: 52 Institue Rd, Burlington, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
210315.A68.124-1028	21C0909-01	Bulk		SW-846 8082A	
210315.A60.124-1030	21C0909-02	Bulk		SW-846 8082A	
210315.A43.124-1032	21C0909-03	Bulk		SW-846 8082A	
210315.A2012.124-1034	21C0909-04	Bulk		SW-846 8082A	
210315.A28.124-1036	21C0909-05	Bulk		SW-846 8082A	
210315.A109.124-1038	21C0909-06	Bulk		SW-846 8082A	
210315.A2010.124-1040	21C0909-07	Bulk		SW-846 8082A	
210315.A2008.124-1042	21C0909-08	Bulk		SW-846 8082A	
210315.A135.124-1044	21C0909-09	Bulk		SW-846 8082A	
210316.A30.125-1046	21C0909-10	Bulk		SW-846 8082A	
210316.A32.125-1048	21C0909-11	Bulk		SW-846 8082A	
210316.A100.125-1050	21C0909-12	Bulk		SW-846 8082A	
210316.A142.125-1052	21C0909-13	Bulk		SW-846 8082A	
210316.A40.125-1053	21C0909-14	Bulk		SW-846 8082A	
210316.A138.125-1054	21C0909-15	Bulk		SW-846 8082A	
210316.A140.125-1056	21C0909-16	Bulk		SW-846 8082A	
210316.A2003.125-1058	21C0909-17	Bulk		SW-846 8082A	
210316.A33.125-1061	21C0909-18	Bulk		SW-846 8082A	
210316.A114.125-1063	21C0909-19	Bulk		SW-846 8082A	
210316.A112.125-1065	21C0909-20	Bulk		SW-846 8082A	
210316.A116.125-1069	21C0909-21	Bulk		SW-846 8082A	
210316.A2011.125-1071	21C0909-22	Bulk		SW-846 8082A	
210316.A144.125-1060	21C0909-23	Bulk		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: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A68.124-1028 Sampled: 3/15/2021 10:24

Sample ID: 21C0909-01

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 15:03	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.9	30-150		3/19/21 15:03
Decachlorobiphenyl [2]	96.8	30-150		3/19/21 15:03
Tetrachloro-m-xylene [1]	79.8	30-150		3/19/21 15:03
Tetrachloro-m-xylene [2]	86.4	30-150		3/19/21 15:03

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A60.124-1030 Sampled: 3/15/2021 10:52

Sample ID: 21C0909-02

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1221 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1232 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1242 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1248 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1254 [2]	19	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1260 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1262 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB
Aroclor-1268 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:03	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		3/20/21 0:03
Decachlorobiphenyl [2]	107	30-150		3/20/21 0:03
Tetrachloro-m-xylene [1]	92.5	30-150		3/20/21 0:03
Tetrachloro-m-xylene [2]	96.8	30-150		3/20/21 0:03

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A43.124-1032 Sampled: 3/15/2021 11:21

Sample ID: 21C0909-03

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1221 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1232 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1242 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1248 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1254 [2]	9.6	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1260 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1262 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB
Aroclor-1268 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 0:16	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.2	30-150		3/20/21 0:16
Decachlorobiphenyl [2]	99.7	30-150		3/20/21 0:16
Tetrachloro-m-xylene [1]	90.2	30-150		3/20/21 0:16
Tetrachloro-m-xylene [2]	96.1	30-150		3/20/21 0:16

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A2012.124-1034 Sampled: 3/15/2021 11:42

Sample ID: 21C0909-04

Sample Matrix: Bulk

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	3/18/21	3/20/21 0:28	JMB
Aroclor-1221 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB
Aroclor-1232 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB
Aroclor-1242 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB
Aroclor-1248 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB
Aroclor-1254 [2]	22	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB
Aroclor-1260 [1]	2.9	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB
Aroclor-1262 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB
Aroclor-1268 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	3/18/21	3/20/21 0:28	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		3/20/21 0:28
Decachlorobiphenyl [2]	101	30-150		3/20/21 0:28
Tetrachloro-m-xylene [1]	85.8	30-150		3/20/21 0:28
Tetrachloro-m-xylene [2]	90.6	30-150		3/20/21 0:28

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A28.124-1036 Sampled: 3/15/2021 13:23

Sample ID: 21C0909-05

Sample Matrix: Bulk

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	3/18/21	3/20/21 0:40	JMB
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB
Aroclor-1254 [2]	3.1	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.4	30-150		3/20/21 0:40
Decachlorobiphenyl [2]	99.2	30-150		3/20/21 0:40
Tetrachloro-m-xylene [1]	89.0	30-150		3/20/21 0:40
Tetrachloro-m-xylene [2]	93.5	30-150		3/20/21 0:40

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A109.124-1038 Sampled: 3/15/2021 14:38

Sample ID: 21C0909-06

Sample Matrix: Bulk

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	3/18/21	3/19/21 16:31	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB
Aroclor-1254 [1]	0.50	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 16:31	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.7	30-150		3/19/21 16:31
Decachlorobiphenyl [2]	91.2	30-150		3/19/21 16:31
Tetrachloro-m-xylene [1]	79.4	30-150		3/19/21 16:31
Tetrachloro-m-xylene [2]	84.1	30-150		3/19/21 16:31

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A2010.124-1040 Sampled: 3/15/2021 14:58

Sample ID: 21C0909-07

Sample Matrix: Bulk

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	3/18/21	3/20/21 0:53	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB
Aroclor-1254 [2]	3.3	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 0:53	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.2	30-150		3/20/21 0:53
Decachlorobiphenyl [2]	95.7	30-150		3/20/21 0:53
Tetrachloro-m-xylene [1]	85.7	30-150		3/20/21 0:53
Tetrachloro-m-xylene [2]	89.9	30-150		3/20/21 0:53

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A2008.124-1042 Sampled: 3/15/2021 15:18

Sample ID: 21C0909-08

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1254 [1]	0.62	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:05	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.6	30-150		3/19/21 17:05
Decachlorobiphenyl [2]	97.0	30-150		3/19/21 17:05
Tetrachloro-m-xylene [1]	84.1	30-150		3/19/21 17:05
Tetrachloro-m-xylene [2]	88.6	30-150		3/19/21 17:05

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210315.A135.124-1044 Sampled: 3/15/2021 15:33

Sample ID: 21C0909-09

Sample Matrix: Bulk

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	3/18/21	3/19/21 17:23	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB
Aroclor-1254 [2]	1.6	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:23	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.2	30-150		3/19/21 17:23
Decachlorobiphenyl [2]	103	30-150		3/19/21 17:23
Tetrachloro-m-xylene [1]	86.6	30-150		3/19/21 17:23
Tetrachloro-m-xylene [2]	90.7	30-150		3/19/21 17:23

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A30.125-1046 Sampled: 3/15/2021 08:29

Sample ID: 21C0909-10

Sample Matrix: Bulk

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	3/18/21	3/19/21 17:40	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 17:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.6	30-150		3/19/21 17:40
Decachlorobiphenyl [2]	99.9	30-150		3/19/21 17:40
Tetrachloro-m-xylene [1]	81.8	30-150		3/19/21 17:40
Tetrachloro-m-xylene [2]	86.1	30-150		3/19/21 17:40

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A32.125-1048 Sampled: 3/16/2021 08:36

Sample ID: 21C0909-11

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1221 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1232 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1242 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1248 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1254 [2]	8.9	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1260 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1262 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB
Aroclor-1268 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	3/18/21	3/20/21 1:05	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.2	30-150		3/20/21 1:05
Decachlorobiphenyl [2]	99.6	30-150		3/20/21 1:05
Tetrachloro-m-xylene [1]	92.7	30-150		3/20/21 1:05
Tetrachloro-m-xylene [2]	98.8	30-150		3/20/21 1:05

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A100.125-1050 Sampled: 3/16/2021 08:53

Sample ID: 21C0909-12

Sample Matrix: Bulk

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	3/18/21	3/19/21 20:22	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB
Aroclor-1254 [2]	1.4	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:22	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		3/19/21 20:22
Decachlorobiphenyl [2]	108	30-150		3/19/21 20:22
Tetrachloro-m-xylene [1]	85.8	30-150		3/19/21 20:22
Tetrachloro-m-xylene [2]	90.7	30-150		3/19/21 20:22

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A142.125-1052 Sampled: 3/16/2021 09:15

Sample ID: 21C0909-13

Sample Matrix: Bulk

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	3/18/21	3/19/21 20:39	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB
Aroclor-1248 [2]	0.44	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB
Aroclor-1254 [2]	1.2	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:39	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.5	30-150		3/19/21 20:39
Decachlorobiphenyl [2]	104	30-150		3/19/21 20:39
Tetrachloro-m-xylene [1]	83.0	30-150		3/19/21 20:39
Tetrachloro-m-xylene [2]	87.4	30-150		3/19/21 20:39

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A40.125-1053 Sampled: 3/16/2021 09:18

Sample ID: 21C0909-14

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1248 [2]	1.1	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1254 [2]	2.8	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:21	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		3/20/21 2:21
Decachlorobiphenyl [2]	104	30-150		3/20/21 2:21
Tetrachloro-m-xylene [1]	83.5	30-150		3/20/21 2:21
Tetrachloro-m-xylene [2]	87.5	30-150		3/20/21 2:21

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A138.125-1054 Sampled: 3/16/2021 09:22

Sample ID: 21C0909-15

Sample Matrix: Bulk

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	3/18/21	3/19/21 21:14	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB
Aroclor-1248 [2]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB
Aroclor-1254 [1]	0.25	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:14	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.2	30-150		3/19/21 21:14
Decachlorobiphenyl [2]	105	30-150		3/19/21 21:14
Tetrachloro-m-xylene [1]	83.5	30-150		3/19/21 21:14
Tetrachloro-m-xylene [2]	88.7	30-150		3/19/21 21:14

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A140.125-1056 Sampled: 3/16/2021 09:43

Sample ID: 21C0909-16

Sample Matrix: Bulk

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	3/18/21	3/19/21 21:32	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.6	30-150		3/19/21 21:32
Decachlorobiphenyl [2]	99.5	30-150		3/19/21 21:32
Tetrachloro-m-xylene [1]	86.3	30-150		3/19/21 21:32
Tetrachloro-m-xylene [2]	90.3	30-150		3/19/21 21:32

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A2003.125-1058 Sampled: 3/16/2021 10:11

Sample ID: 21C0909-17

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1254 [2]	0.95	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB
Aroclor-1268 [2]	0.12	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:49	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	100	30-150		3/19/21 21:49
Decachlorobiphenyl [2]	103	30-150		3/19/21 21:49
Tetrachloro-m-xylene [1]	91.3	30-150		3/19/21 21:49
Tetrachloro-m-xylene [2]	92.7	30-150		3/19/21 21:49

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A33.125-1061 Sampled: 3/16/2021 12:03

Sample ID: 21C0909-18

Sample Matrix: Bulk

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	3/18/21	3/19/21 22:06	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB
Aroclor-1248 [2]	0.81	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB
Aroclor-1254 [2]	2.3	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB
Aroclor-1260 [2]	0.19	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:06	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.8	30-150		3/19/21 22:06
Decachlorobiphenyl [2]	101	30-150		3/19/21 22:06
Tetrachloro-m-xylene [1]	89.5	30-150		3/19/21 22:06
Tetrachloro-m-xylene [2]	91.4	30-150		3/19/21 22:06

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A114.125-1063 Sampled: 3/16/2021 12:38

Sample ID: 21C0909-19

Sample Matrix: Bulk

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	3/18/21	3/20/21 2:38	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB
Aroclor-1254 [2]	4.4	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	3/18/21	3/20/21 2:38	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.8	30-150		3/20/21 2:38
Decachlorobiphenyl [2]	96.9	30-150		3/20/21 2:38
Tetrachloro-m-xylene [1]	83.2	30-150		3/20/21 2:38
Tetrachloro-m-xylene [2]	87.6	30-150		3/20/21 2:38

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A112.125-1065 Sampled: 3/16/2021 12:49

Sample ID: 21C0909-20

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1254 [1]	1.2	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 22:41	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.1	30-150		3/19/21 22:41
Decachlorobiphenyl [2]	102	30-150		3/19/21 22:41
Tetrachloro-m-xylene [1]	86.5	30-150		3/19/21 22:41
Tetrachloro-m-xylene [2]	88.1	30-150		3/19/21 22:41

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A116.125-1069 Sampled: 3/16/2021 13:16

Sample ID: 21C0909-21

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1248 [2]	0.44	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1254 [2]	1.1	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:25	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.7	30-150		3/19/21 20:25
Decachlorobiphenyl [2]	84.3	30-150		3/19/21 20:25
Tetrachloro-m-xylene [1]	74.1	30-150		3/19/21 20:25
Tetrachloro-m-xylene [2]	72.3	30-150		3/19/21 20:25

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A2011.125-1071 Sampled: 3/16/2021 13:36

Sample ID: 21C0909-22

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1248 [2]	0.24	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1254 [1]	0.24	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 20:43	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.5	30-150		3/19/21 20:43
Decachlorobiphenyl [2]	94.7	30-150		3/19/21 20:43
Tetrachloro-m-xylene [1]	83.9	30-150		3/19/21 20:43
Tetrachloro-m-xylene [2]	79.6	30-150		3/19/21 20:43

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Project Location: 52 Institue Rd, Burlington, VT Sample Description: Work Order: 21C0909

Date Received: 3/17/2021

Field Sample #: 210316.A144.125-1060 Sampled: 3/16/2021 10:58

Sample ID: 21C0909-23

Sample Matrix: Bulk

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	3/18/21	3/19/21 21:00	PJG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG
Aroclor-1248 [2]	0.19	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG
Aroclor-1254 [1]	0.22	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	3/18/21	3/19/21 21:00	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.2	30-150		3/19/21 21:00
Decachlorobiphenyl [2]	73.7	30-150		3/19/21 21:00
Tetrachloro-m-xylene [1]	60.8	30-150		3/19/21 21:00
Tetrachloro-m-xylene [2]	55.8	30-150		3/19/21 21:00

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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
21C0909-21 [210316.A116.125-1069]	B278260	2.10	10.0	03/18/21
21C0909-22 [210316.A2011.125-1071]	B278260	2.06	10.0	03/18/21
21C0909-23 [210316.A144.125-1060]	B278260	2.05	10.0	03/18/21

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21C0909-01 [210315.A68.124-1028]	B278261	2.09	10.0	03/18/21
21C0909-02 [210315.A60.124-1030]	B278261	2.07	10.0	03/18/21
21C0909-03 [210315.A43.124-1032]	B278261	2.09	10.0	03/18/21
21C0909-04 [210315.A2012.124-1034]	B278261	2.01	10.0	03/18/21
21C0909-05 [210315.A28.124-1036]	B278261	2.01	10.0	03/18/21
21C0909-06 [210315.A109.124-1038]	B278261	2.03	10.0	03/18/21
21C0909-07 [210315.A2010.124-1040]	B278261	2.06	10.0	03/18/21
21C0909-08 [210315.A2008.124-1042]	B278261	2.10	10.0	03/18/21
21C0909-09 [210315.A135.124-1044]	B278261	2.04	10.0	03/18/21
21C0909-10 [210316.A30.125-1046]	B278261	2.02	10.0	03/18/21
21C0909-11 [210316.A32.125-1048]	B278261	2.05	10.0	03/18/21
21C0909-12 [210316.A100.125-1050]	B278261	2.03	10.0	03/18/21
21C0909-13 [210316.A142.125-1052]	B278261	2.02	10.0	03/18/21
21C0909-14 [210316.A40.125-1053]	B278261	2.09	10.0	03/18/21
21C0909-15 [210316.A138.125-1054]	B278261	2.02	10.0	03/18/21
21C0909-16 [210316.A140.125-1056]	B278261	2.01	10.0	03/18/21
21C0909-17 [210316.A2003.125-1058]	B278261	2.05	10.0	03/18/21
21C0909-18 [210316.A33.125-1061]	B278261	2.01	10.0	03/18/21
21C0909-19 [210316.A114.125-1063]	B278261	2.06	10.0	03/18/21
21C0909-20 [210316.A112.125-1065]	B278261	2.06	10.0	03/18/21

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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 B278260 - SW-846 3540C										
Blank (B278260-BLK1)				Prepared: 03/18/21 Analyzed: 03/19/21						
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	*0.899*		mg/Kg	1.00		89.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.906*		mg/Kg	1.00		90.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.814*		mg/Kg	1.00		81.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.837*		mg/Kg	1.00		83.7	30-150			
LCS (B278260-BS1)				Prepared: 03/18/21 Analyzed: 03/19/21						
Aroclor-1016	0.85	0.10	mg/Kg	1.00		84.5	40-140			
Aroclor-1016 [2C]	0.76	0.10	mg/Kg	1.00		76.2	40-140			
Aroclor-1260	0.81	0.10	mg/Kg	1.00		80.6	40-140			
Aroclor-1260 [2C]	0.78	0.10	mg/Kg	1.00		77.5	40-140			
Surrogate: Decachlorobiphenyl	*0.936*		mg/Kg	1.00		93.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.943*		mg/Kg	1.00		94.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.844*		mg/Kg	1.00		84.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.830*		mg/Kg	1.00		83.0	30-150			
LCS Dup (B278260-BSD1)				Prepared: 03/18/21 Analyzed: 03/19/21						
Aroclor-1016	0.94	0.10	mg/Kg	1.00		93.9	40-140	10.5	30	
Aroclor-1016 [2C]	0.84	0.10	mg/Kg	1.00		84.1	40-140	9.82	30	
Aroclor-1260	0.88	0.10	mg/Kg	1.00		88.3	40-140	9.13	30	
Aroclor-1260 [2C]	0.83	0.10	mg/Kg	1.00		83.3	40-140	7.18	30	
Surrogate: Decachlorobiphenyl	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.991*		mg/Kg	1.00		99.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.952*		mg/Kg	1.00		95.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.943*		mg/Kg	1.00		94.3	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 B278261 - SW-846 3540C										
Blank (B278261-BLK1)				Prepared: 03/18/21 Analyzed: 03/19/21						
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	*0.895*		mg/Kg	1.00		89.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.992*		mg/Kg	1.00		99.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.732*		mg/Kg	1.00		73.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.802*		mg/Kg	1.00		80.2	30-150			
LCS (B278261-BS1)				Prepared: 03/18/21 Analyzed: 03/19/21						
Aroclor-1016	0.73	0.10	mg/Kg	1.00		72.7	40-140			
Aroclor-1016 [2C]	0.74	0.10	mg/Kg	1.00		73.8	40-140			
Aroclor-1260	0.72	0.10	mg/Kg	1.00		72.1	40-140			
Aroclor-1260 [2C]	0.75	0.10	mg/Kg	1.00		75.4	40-140			
Surrogate: Decachlorobiphenyl	*0.913*		mg/Kg	1.00		91.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.745*		mg/Kg	1.00		74.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.802*		mg/Kg	1.00		80.2	30-150			
LCS Dup (B278261-BSD1)				Prepared: 03/18/21 Analyzed: 03/19/21						
Aroclor-1016	0.72	0.10	mg/Kg	1.00		72.1	40-140	0.742	30	
Aroclor-1016 [2C]	0.73	0.10	mg/Kg	1.00		73.4	40-140	0.653	30	
Aroclor-1260	0.70	0.10	mg/Kg	1.00		70.1	40-140	2.85	30	
Aroclor-1260 [2C]	0.73	0.10	mg/Kg	1.00		72.7	40-140	3.60	30	
Surrogate: Decachlorobiphenyl	*0.870*		mg/Kg	1.00		87.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.954*		mg/Kg	1.00		95.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.754*		mg/Kg	1.00		75.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.828*		mg/Kg	1.00		82.8	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A60.124-1030

Lab Sample ID: 21C0909-02 Date(s) Analyzed: 03/20/2021 03/20/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	17	
	2	0.000	0.000	0.000	19	11.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A43.124-1032

Lab Sample ID: 21C0909-03 Date(s) Analyzed: 03/20/2021 03/20/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	9.0	
	2	0.000	0.000	0.000	9.6	6.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A2012.124-1034

Lab Sample ID: 21C0909-04 Date(s) Analyzed: 03/20/2021 03/20/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	20	
	2	0.000	0.000	0.000	22	9.5
Aroclor-1260	1	0.000	0.000	0.000	2.9	
	2	0.000	0.000	0.000	2.9	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A28.124-1036

Lab Sample ID: 21C0909-05 Date(s) Analyzed: 03/20/2021 03/20/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	3.0	
	2	0.000	0.000	0.000	3.1	3.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A109.124-1038

Lab Sample ID: 21C0909-06 Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	0.50	
	2	0.000	0.000	0.000	0.47	6.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A2010.124-1040

Lab Sample ID: 21C0909-07 Date(s) Analyzed: 03/20/2021 03/20/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	3.0	
	2	0.000	0.000	0.000	3.3	9.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A2008.124-1042

Lab Sample ID: 21C0909-08 Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	0.62	
	2	0.000	0.000	0.000	0.60	3.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210315.A135.124-1044

Lab Sample ID: 21C0909-09 Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	1.6	
	2	0.000	0.000	0.000	1.6	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A32.125-1048

Lab Sample ID: 21C0909-11 Date(s) Analyzed: 03/20/2021 03/20/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	8.8	
	2	0.000	0.000	0.000	8.9	1.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A100.125-1050

Lab Sample ID: 21C0909-12 Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	1.4	7.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A142.125-1052

Lab Sample ID: 21C0909-13 Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	0.39	
	2	0.000	0.000	0.000	0.44	12.0
Aroclor-1254	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

210316.A40.125-1053

Lab Sample ID: 21C0909-14 Date(s) Analyzed: 03/20/2021 03/20/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	0.95	
	2	0.000	0.000	0.000	1.1	14.6
Aroclor-1254	1	0.000	0.000	0.000	2.7	
	2	0.000	0.000	0.000	2.8	3.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A138.125-1054

Lab Sample ID: 21C0909-15 Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	0.25	
	2	0.000	0.000	0.000	0.24	4.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A2003.125-1058

Lab Sample ID: 21C0909-17

Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9

Instrument ID (2): ECD 9

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	0.93	
	2	0.000	0.000	0.000	0.95	2.1
Aroclor-1268	1	0.000	0.000	0.000	0.11	
	2	0.000	0.000	0.000	0.12	8.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A33.125-1061

Lab Sample ID: 21C0909-18 Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	0.67	
	2	0.000	0.000	0.000	0.81	18.9
Aroclor-1254	1	0.000	0.000	0.000	2.2	
	2	0.000	0.000	0.000	2.3	4.4
Aroclor-1260	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.19	30.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A114.125-1063

Lab Sample ID: 21C0909-19 Date(s) Analyzed: 03/20/2021 03/20/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	4.1	
	2	0.000	0.000	0.000	4.4	7.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A112.125-1065

Lab Sample ID: 21C0909-20 Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	1.2	
	2	0.000	0.000	0.000	1.2	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A116.125-1069

Lab Sample ID: 21C0909-21 Date(s) Analyzed: 03/19/2021 03/19/2021

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-1248	1	0.000	0.000	0.000	0.36	
	2	0.000	0.000	0.000	0.44	20.0
Aroclor-1254	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.1	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A2011.125-1071

Lab Sample ID: 21C0909-22 Date(s) Analyzed: 03/19/2021 03/19/2021

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-1248	1	0.000	0.000	0.000	0.21	
	2	0.000	0.000	0.000	0.24	8.7
Aroclor-1254	1	0.000	0.000	0.000	0.24	
	2	0.000	0.000	0.000	0.21	13.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210316.A144.125-1060

Lab Sample ID: 21C0909-23 Date(s) Analyzed: 03/19/2021 03/19/2021

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-1248	1	0.000	0.000	0.000	0.18	
	2	0.000	0.000	0.000	0.19	5.4
Aroclor-1254	1	0.000	0.000	0.000	0.22	
	2	0.000	0.000	0.000	0.18	20.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B278260-BS1 Date(s) Analyzed: 03/19/2021 03/19/2021

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	0.85	
	2	0.000	0.000	0.000	0.76	11.2
Aroclor-1260	1	0.000	0.000	0.000	0.81	
	2	0.000	0.000	0.000	0.78	3.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B278260-BSD1 Date(s) Analyzed: 03/19/2021 03/19/2021

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	0.94	
	2	0.000	0.000	0.000	0.84	11.2
Aroclor-1260	1	0.000	0.000	0.000	0.88	
	2	0.000	0.000	0.000	0.83	5.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B278261-BS1 Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	0.73	
	2	0.000	0.000	0.000	0.74	1.4
Aroclor-1260	1	0.000	0.000	0.000	0.72	
	2	0.000	0.000	0.000	0.75	4.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B278261-BSD1 Date(s) Analyzed: 03/19/2021 03/19/2021

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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	0.72	
	2	0.000	0.000	0.000	0.73	1.4
Aroclor-1260	1	0.000	0.000	0.000	0.70	
	2	0.000	0.000	0.000	0.73	4.2

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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 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	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2021
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2021
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2021
FL	Florida Department of Health	E871027 NELAP	06/30/2021
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2021
ME	State of Maine	MA00100	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2021
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2021
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

21C0909

con-test ANALYTICAL LABORATORY

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http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 2_06262019

Company Name: [redacted]
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980
Project Name: [redacted]
Project Location: 52 Institue Road, Burlington, Vermont
Project Number: 280BS01563 Phase 012
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: N. Amato, J. Adams, K. Paritz

Requested Turnaround Time
7-Day (5Day) ☑ 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 ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

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 Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
1	210315.A68.124-1028	3/15/21	1024	Grab	O	U		1				✓	✓
2	210315.A60.124-1030		1052	Grab	O	U		1				✓	✓
3	210315.A43.124-1032		11:21	Grab	O	U		1				✓	✓
4	210315.A2012.124-1034		11:42	Grab	O	U		1				✓	✓
5	210315.A28.124-1036		13:23	Grab	O	U		1				✓	✓
6	210315.A109.124-1038		14:38	Grab	O	U		1				✓	✓
7	210315.A206.124-1040		14:58	Grab	O	U		1				✓	✓
8	210315.A208.124-1042		15:18	Grab	O	U		1				✓	✓
9	210315.A135.124-1044		15:33	Grab	O	U		1				✓	✓
10	210316.A30.125-1046	3/16/21	08:29	Grab	O	U		1				✓	✓

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS 23
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)

Relinquished by: (signature)	Date/Time:
	3/16/21 1500
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature) 3.1	Date/Time: 3/17/21 1800
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:
5 day turnaround time

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab Comments:

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2109909

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

Page 2 of 3

Company Name:
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980

Project Name:
Project Location: 52 Institue Road, Burlington, Vermont
Project Number: 280BS01563 Phase 012
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: N. Amato, J. Adams, K. Paritz

Requested Turnaround Time
7-Day (5 Day) ☑ 10-Day ☐
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

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 Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
11	210316.A32.125-1048	3/16/21	08:36	Grab	O	U		1				✓	✓
12	210316.A100-125-1050		08:53	Grab	O	U		1				✓	✓
13	210316.A142.125-1052		09:15	Grab	O	U		1				✓	✓
14	210316.A40.125-1053		09:18	Grab	O	U		1				✓	✓
15	210316.A138.125-1054		09:22	Grab	O	U		1				✓	✓
16	210316.A140.125-1056		09:43	Grab	O	U		1				✓	✓
17	210316.A2003.125-1058		10:11	Grab	O	U		1				✓	✓
18	210316.A55.125-1061		12:03	Grab	O	U		1				✓	✓
19	210316.A114.125-1063		12:38	Grab	O	U		1				✓	✓
20	210316.A112.125-1065		12:49	Grab	O	U		1				✓	✓

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS 23
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

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M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time:
[signature]	3/16/21 1500
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments: 5 day turnaround time

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab Comments:

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http://www.contestlabs.com

Doc # 381 Rev 2_06262019

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CHAIN OF CUSTODY RECORD

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East Longmeadow, MA 01028

Company Name:
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Phone: 802.862.1980

Project Name:
Project Location: 52 Institue Road, Burlington, Vermont
Project Number: 280BS01563 Phase 012
Project Manager: Rob Montgomery
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: N. Amato, J. Adams, K. Paritz

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7-Day (5day) ☑ 10-Day ☐
PFAS 10-Day (std) ☐ Due Date:

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1-Day ☐ 3-Day ☐
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Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

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 Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
(XP) ~~210316. A116. 125-1065~~		3/16/21	~~1244~~	Grab	O	U		1				✓	✓
21 210316. A116. 125-1069		↓	13:16	Grab	O	U		1				✓	✓
22 210316. A2011. 125-1071		↓	13:36	Grab	O	U		1				✓	✓
23 210316. A144. 125-1060		↓	10:58	Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS 23
PLASTIC
BACTERIA
ENCORE

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler (Y) N
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[1] **Matrix Codes:**
GW = Ground Water
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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)

Relinquished by: (signature)	Date/Time: 3/16/21 1500
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature) 3.1	Date/Time: 3/17/21 1400
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments: 5 day turnaround time

Detection Limit Requirements
MA
CT

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required

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

Other: 0.5 parts per million (ppm) PWSID #

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab Comments:

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

con-test® ANALYTICAL LABORATORY

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 [illegible] Date 3/17/21 Time 1800

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 # 2 Actual Temp - 3.1 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/R

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 Project T Analysis ID's T T Sampler Name 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? NA 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? NA Acid _____ Base _____

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	23
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:

PREPARATION BENCH SHEET

Printed: 3/18/2021 2:04:12PM

Analysis
8082 Soxhlet

B278260

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B278260-BLK1	Blank			LG 3/19/21	#26	2.00	10.0		1000		
B278260-BS1	LCS			"	"	"	"	1000	1000		
B278260-BSD1	LCS Dup					"		1000	1000		
21C0875-01	210315.A68.124-1029 30-4E	03/24/21	03/29/21			2.38			1000	EXTRACT & HOLD, RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-02	210315.A60.124-1031	03/24/21	03/29/21			2.40			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-03	210315.A43.124-1033	03/24/21	03/29/21			2.20			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-04	210315.A2012.124-1035	03/24/21	03/29/21			2.27			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-05	210315.A28.124-1037	03/24/21	03/29/21			2.41			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-06	210315.A109.124-1039	03/24/21	03/29/21	LG 3/19/21	#26	2.35	10.0		1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-07	210315.A2010.124-1041	03/24/21	03/29/21			2.16			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-08	210315.A2008.124-1043	03/24/21	03/29/21			2.37			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5

WIT CAH — SPK DMP — 3/18/21
Spikedby/Witnessed By — Date

DMP — 3/18/21
Extracted By — Date

*sample burn out AVF 3.19.21 need re-extract.

C:\ELMNT\Print\bch_DEF_EXT_TAT.rpt

ran 3/19/21 #5 AMC

plapped 03/19/21 JR

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B278260

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 3/18/2021 2:04:12PM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
21C0875-09	210315.A135.124-1045	03/24/21	03/29/21	LG 3/19/21	# 26	2.13	10.0		1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-10	210315.A30.124-1047	03/24/21	03/30/21			2.12			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-11	210315.A32.125-1049	03/24/21	03/30/21			2.09			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-12	210315.A100.125-1051	03/24/21	03/30/21			2.16			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-13	210315.A138.125-1055	03/24/21	03/30/21			2.19			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-14	210315.A140.125-1057	03/24/21	03/30/21	LG	# 87	2.13	10.0		1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-15	210315.A2003.125-1059	03/24/21	03/30/21			2.01			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-16	210315.A55.125-1062	03/24/21	03/30/21			2.07			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0875-17	210315.A114.125-1064	03/24/21	03/30/21			2.04			1000	EXTRACT & HOLD,RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5

Spikedby/Witnessed By Date

Extracted By Date

C:\ELMNT\Print\bch_DEF_EXT_TAT.rpt

PREPARATION BENCH SHEET

Printed: 3/18/2021 2:04:12PM

Analysis
8082 Soxhlet

B278260

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
21C0909-21	210316.A116.125-1069	03/24/21	03/30/21			2.10			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0909-22	210316.A2011.125-1071	03/24/21	03/30/21			2.06			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5
21C0909-23	210316.A144.125-1060	03/24/21	03/30/21			2.05			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	5

START DATE/TIME:
END DATE/TIME:
SPK Start Date/Time 3/18/21 @ 15:15
WIT:
StopDate/Time 3/19/21 07:27

Standard ID#	Description	Manufacture Lot#
2007070	Sodium Sulfate (Drum 45.5kg)	0000240206
2102079	Acetone	EA362-US
2102208	Methylene Chloride (200 L Drum)	EA414-US
2102275	Hexanes	60311
2102300	Filter Paper (VWR 043) Fluted	A29495172
2103038	Filter Paper (VWR 121) 15.0cm	17184076
2103253	Sodium Sulfate (Baked)	Sodium Sulfate/2
2103299	Distilled Solvent - MeCl2	DCM/ACE

Balance S/N: 525973

Spikedby/Witnessed By Date

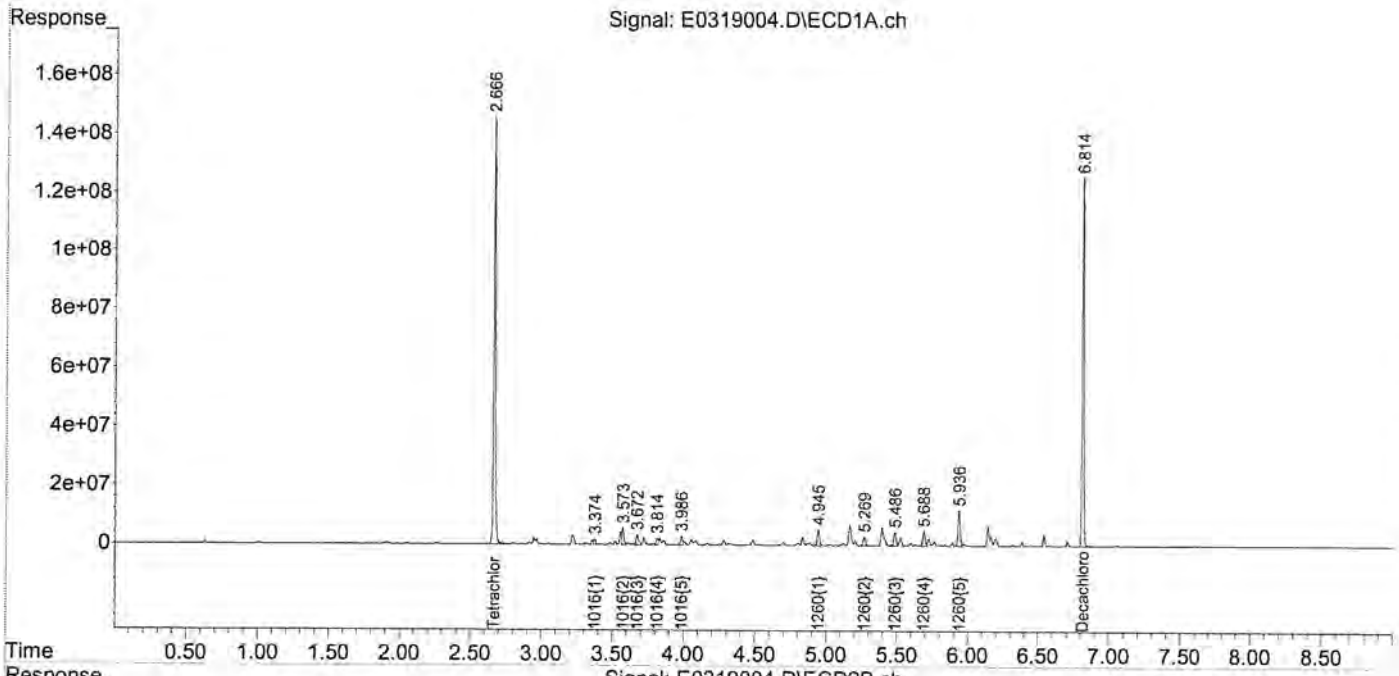
Extracted By Date

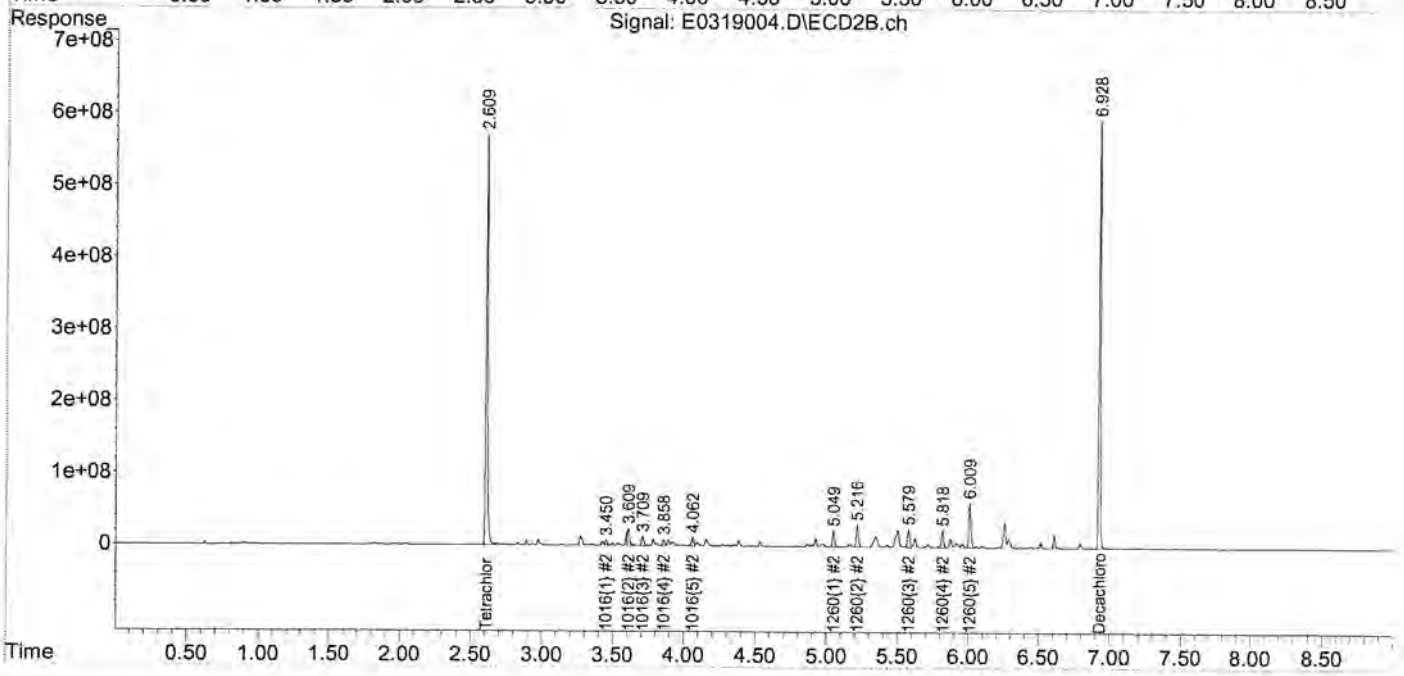
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 5:31 pm
Operator : JMB
Sample : 1260/1016 100 2102019 Inst : ECD 5
Misc : mix[s,11,17]
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 19:24:33 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



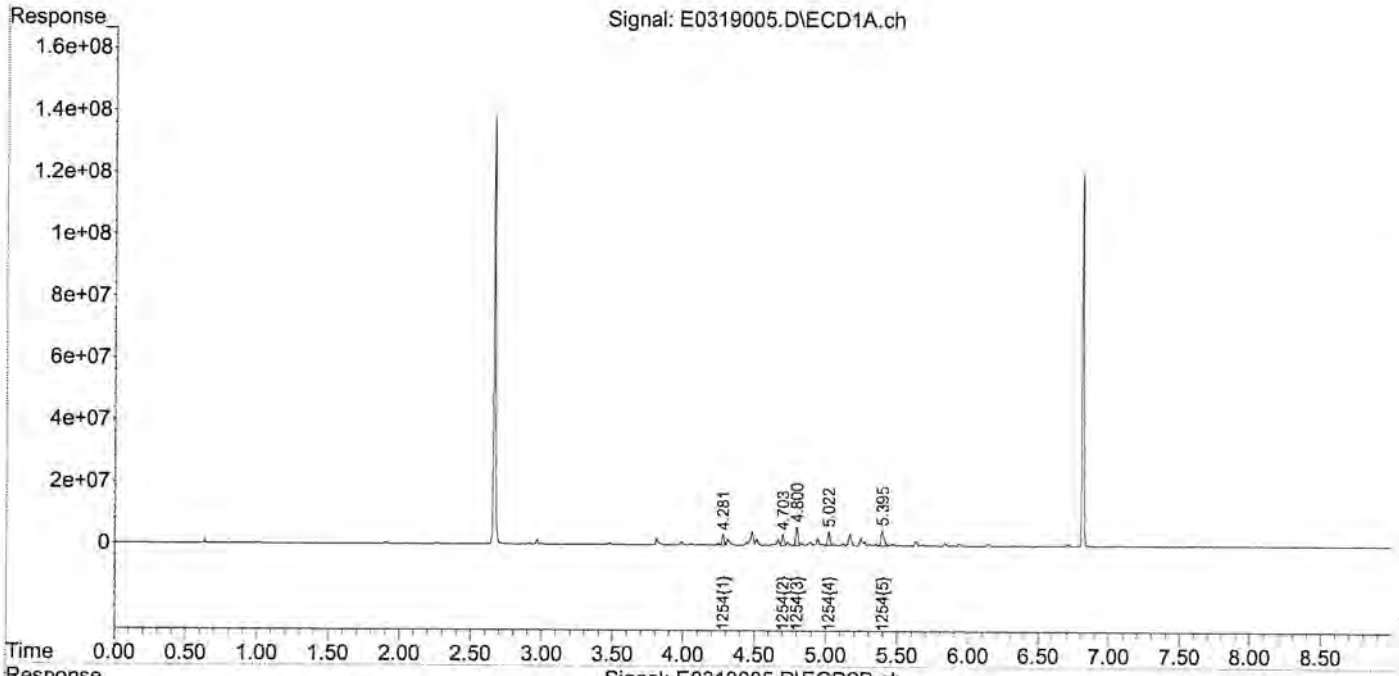


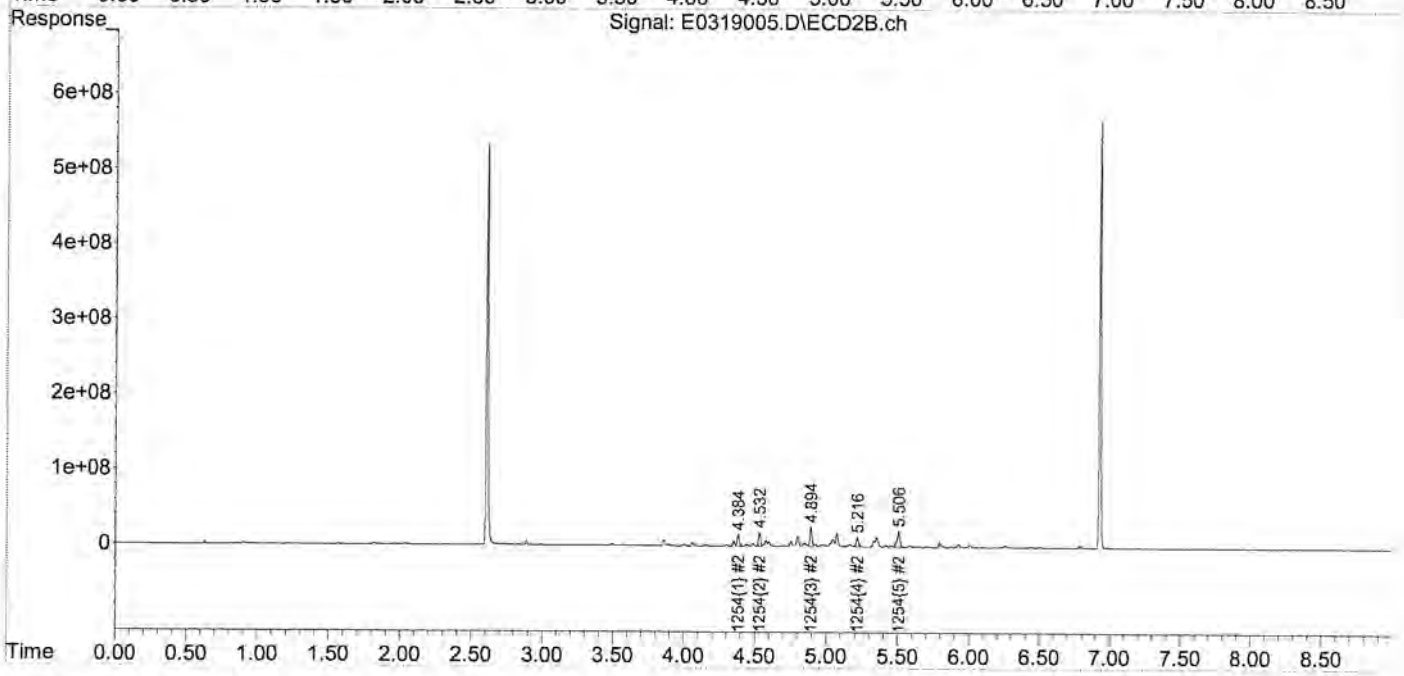
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 5:44 pm
Operator : JMB
Sample : 1254 100 2010265 Inst : ECD 5
Misc : mix[16]
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 19:24:36 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



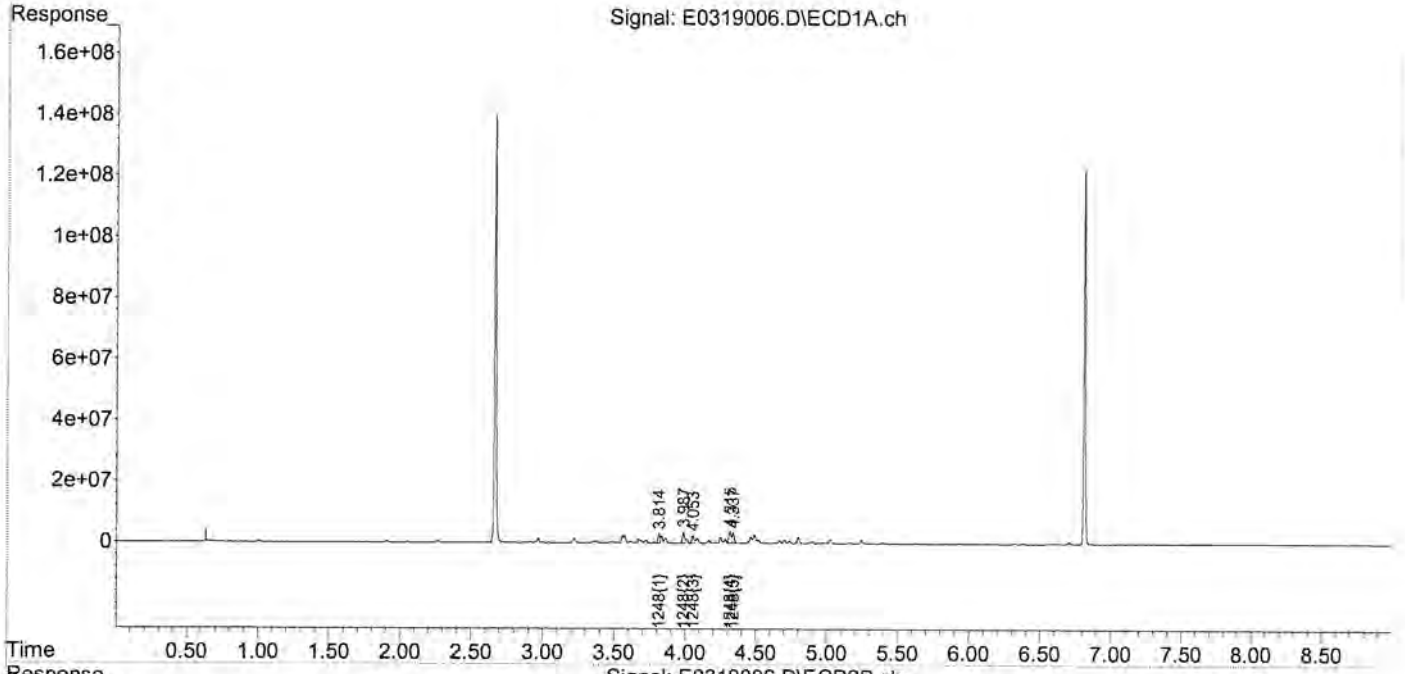


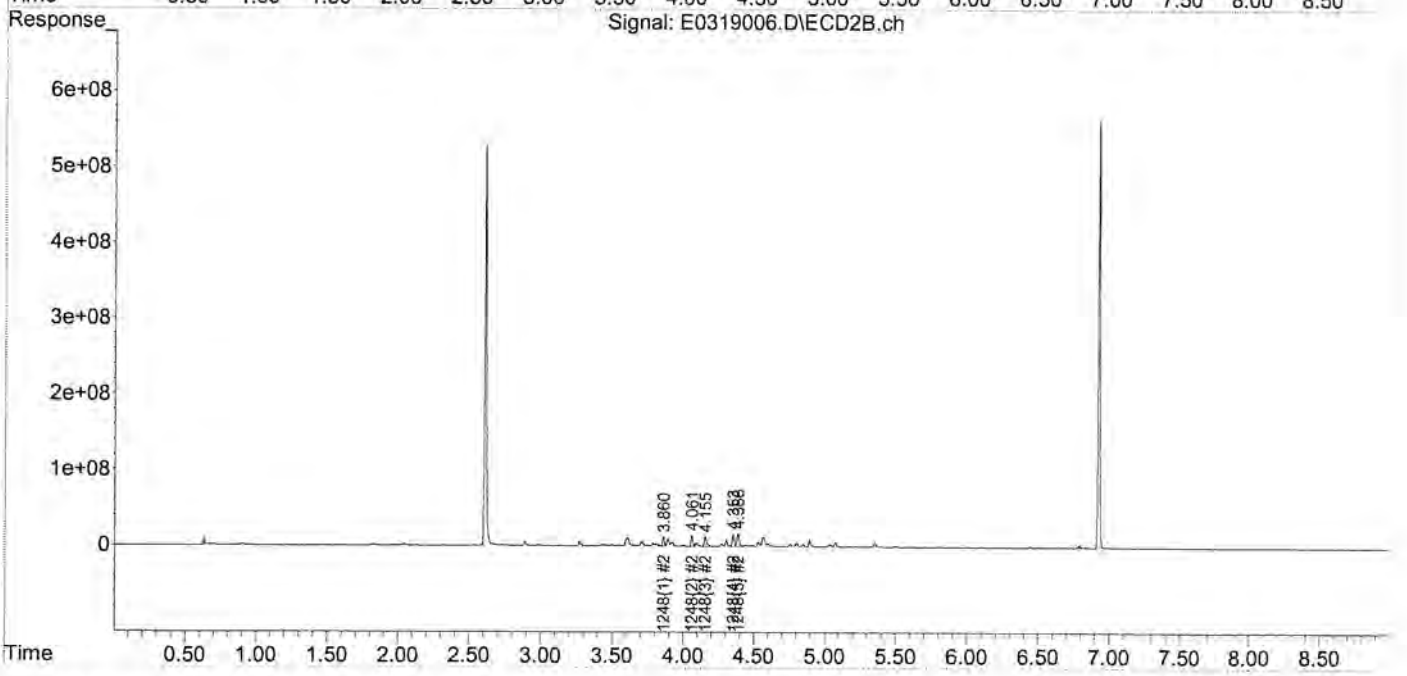
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 5:56 pm
Operator : JMB
Sample : 1248 100 2010210 Inst : ECD 5
Misc : mix[15]
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 19:24:39 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



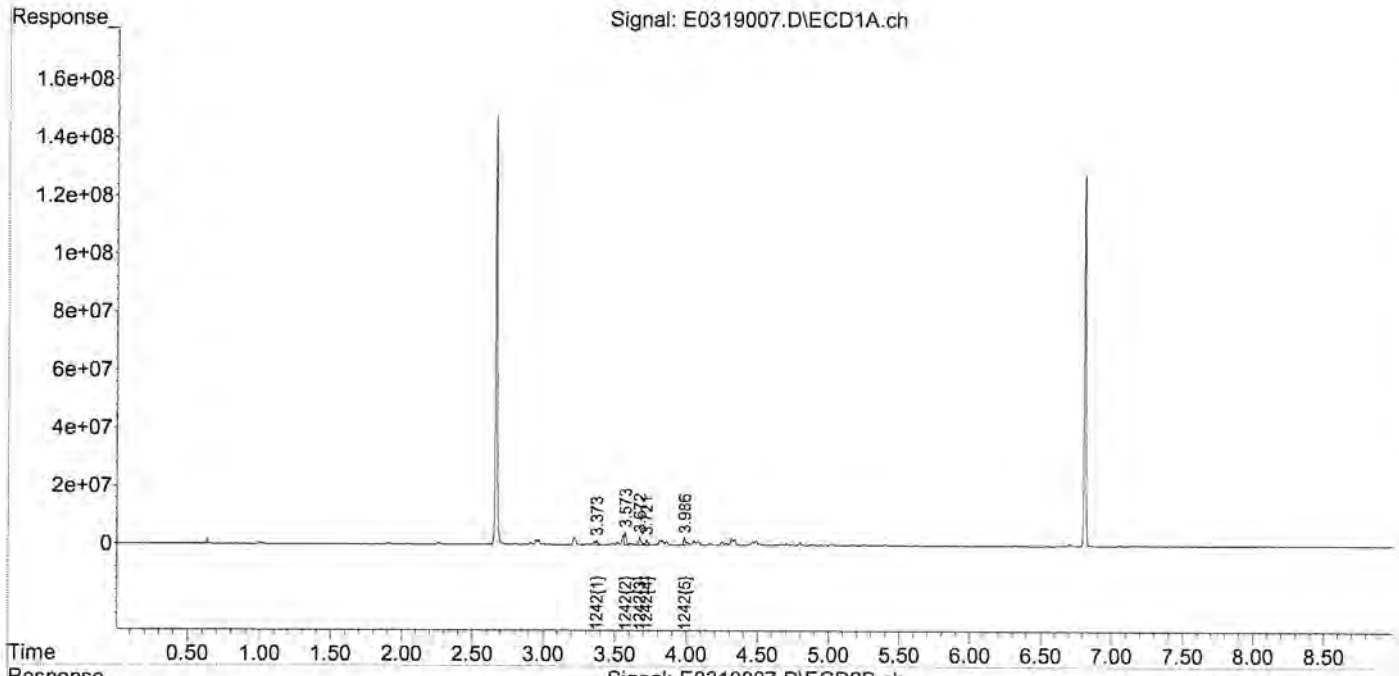


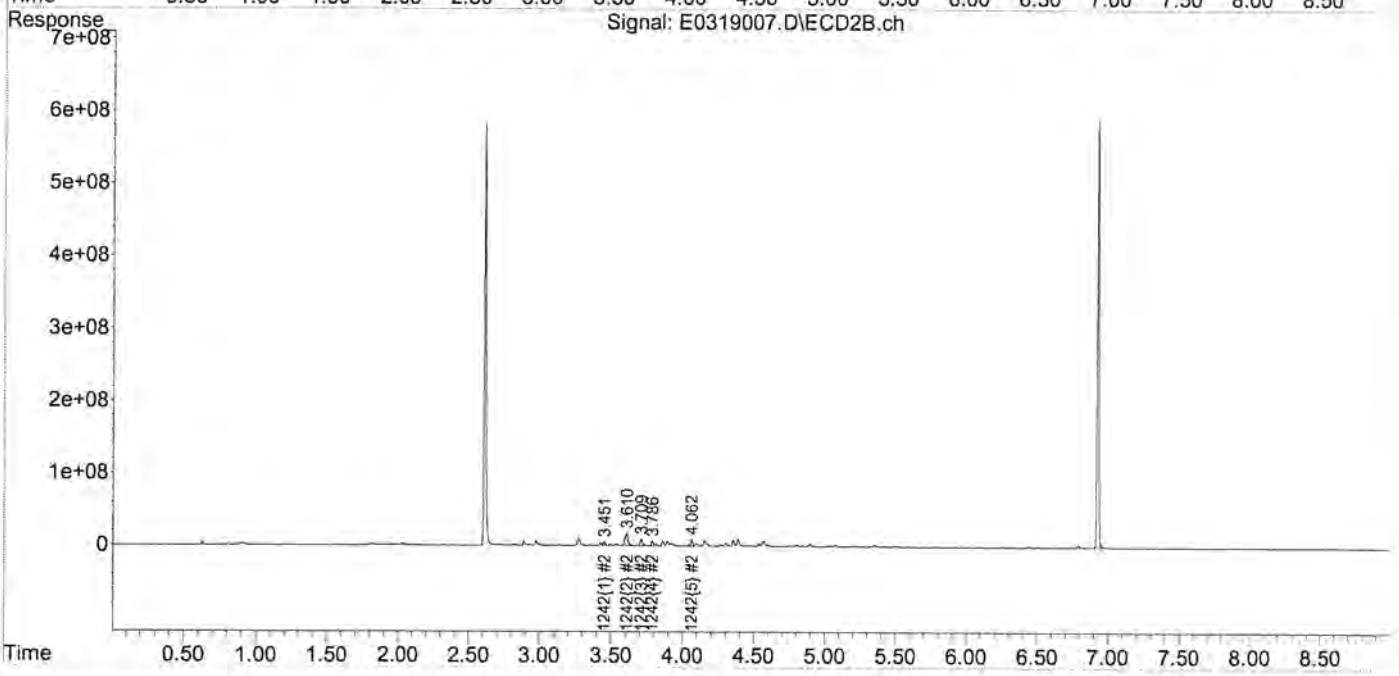
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 6:08 pm
Operator : JMB
Sample : 1242 100 2009334 Inst : ECD 5
Misc : mix[14]
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 19:24:42 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



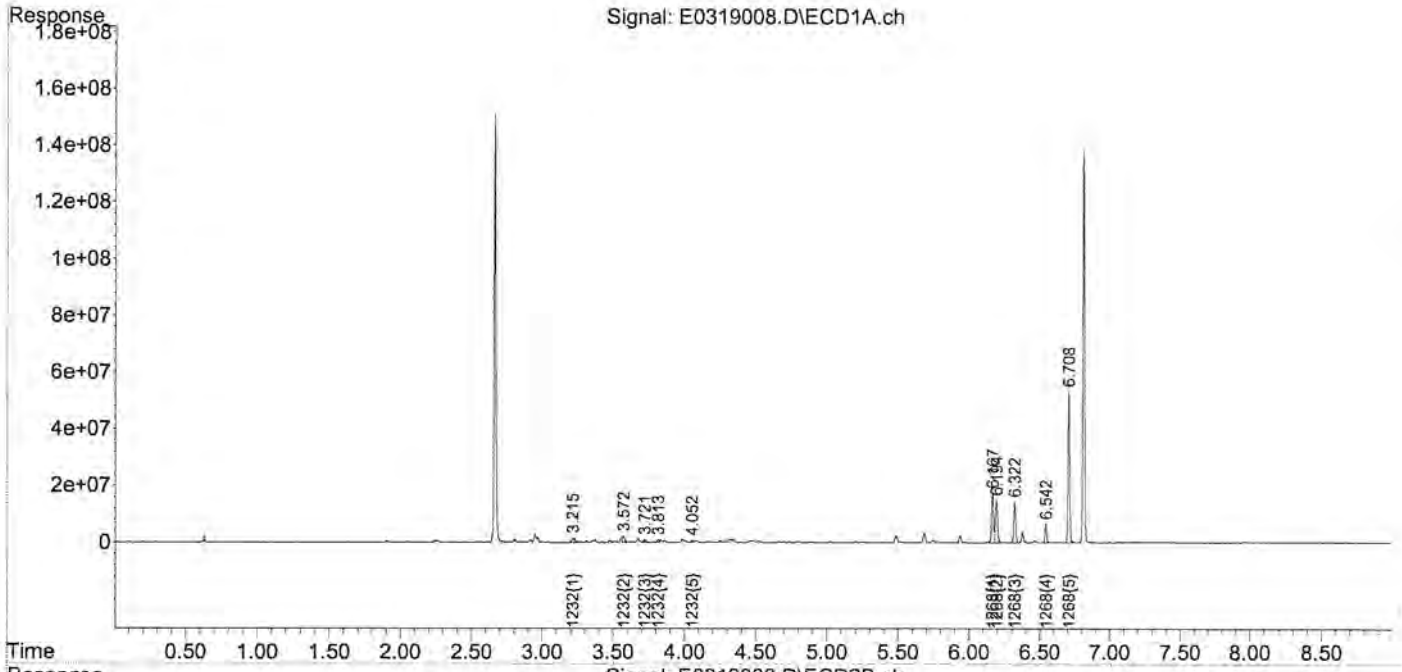


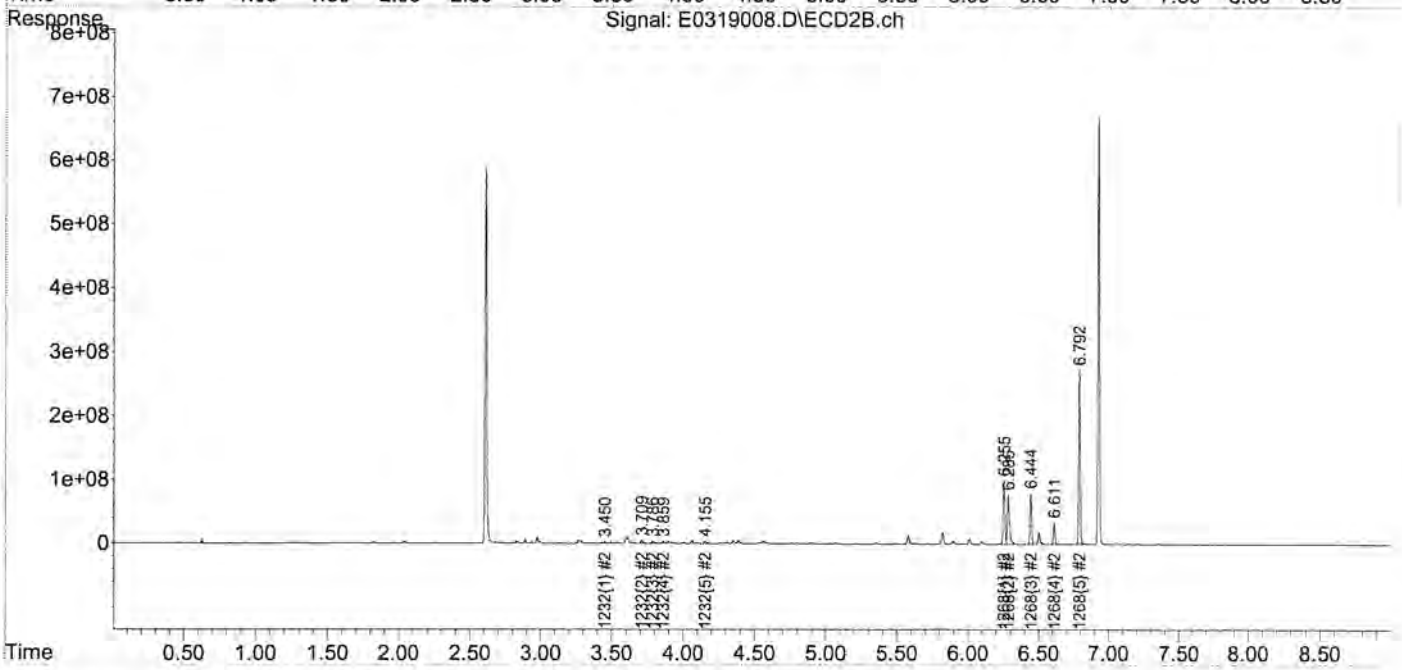
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 6:21 pm
Operator : JMB
Sample : 1232/1268 100 2012310 Inst : ECD 5
Misc : mix[13,19]
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 19:24:45 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



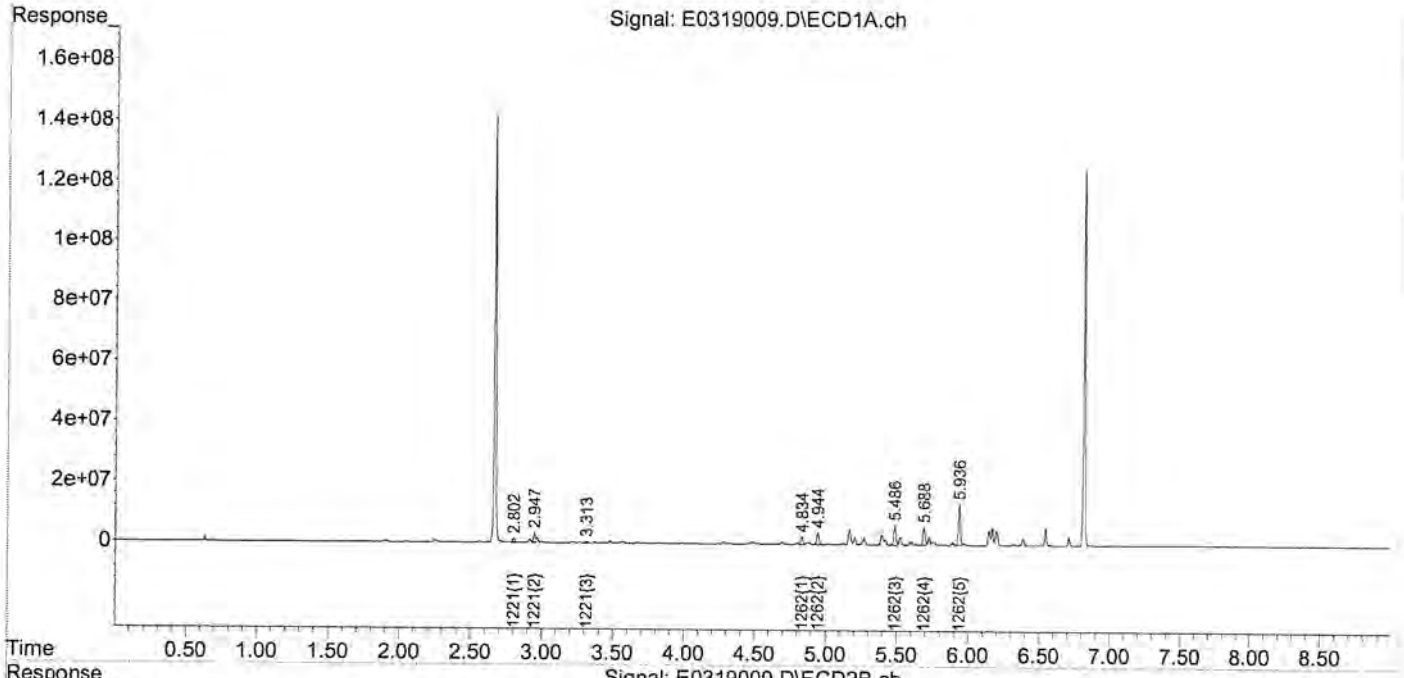


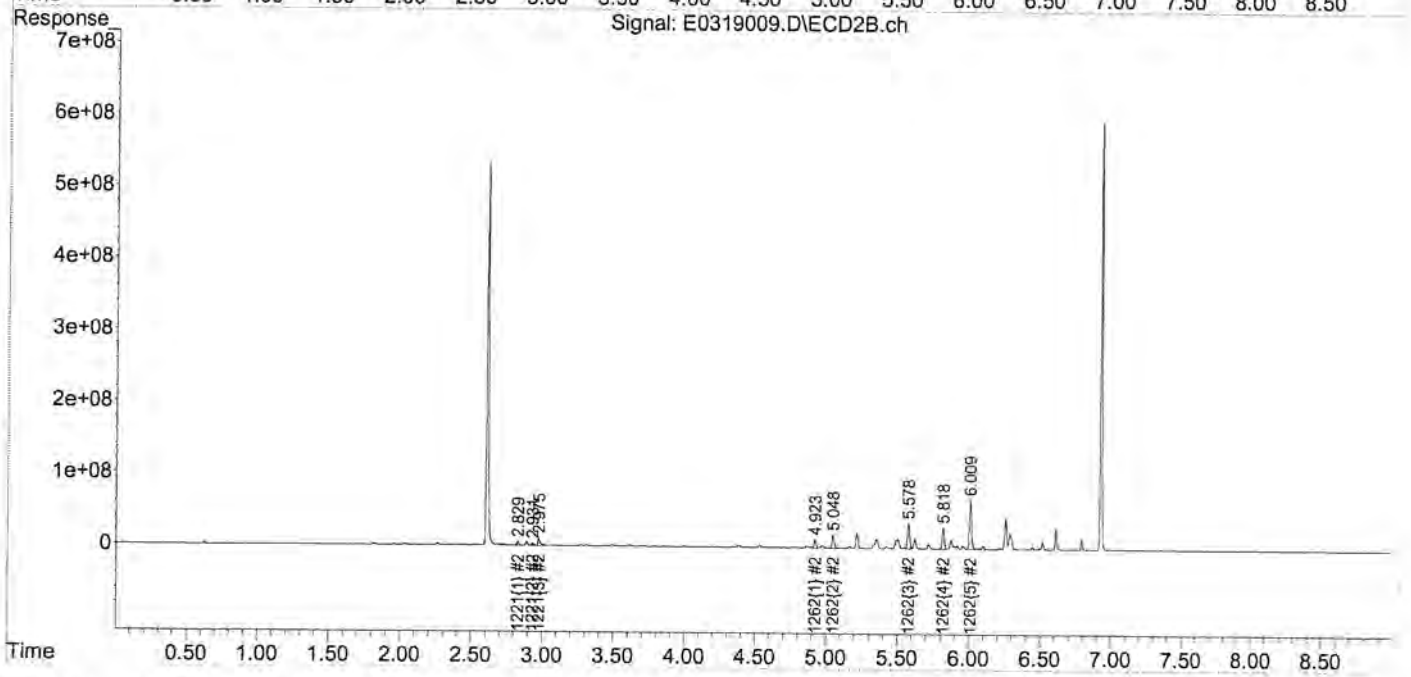
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 6:33 pm
Operator : JMB
Sample : 1221/1262 100 2012379 Inst : ECD 5
Misc : mix[12,18]
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 19:24:48 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



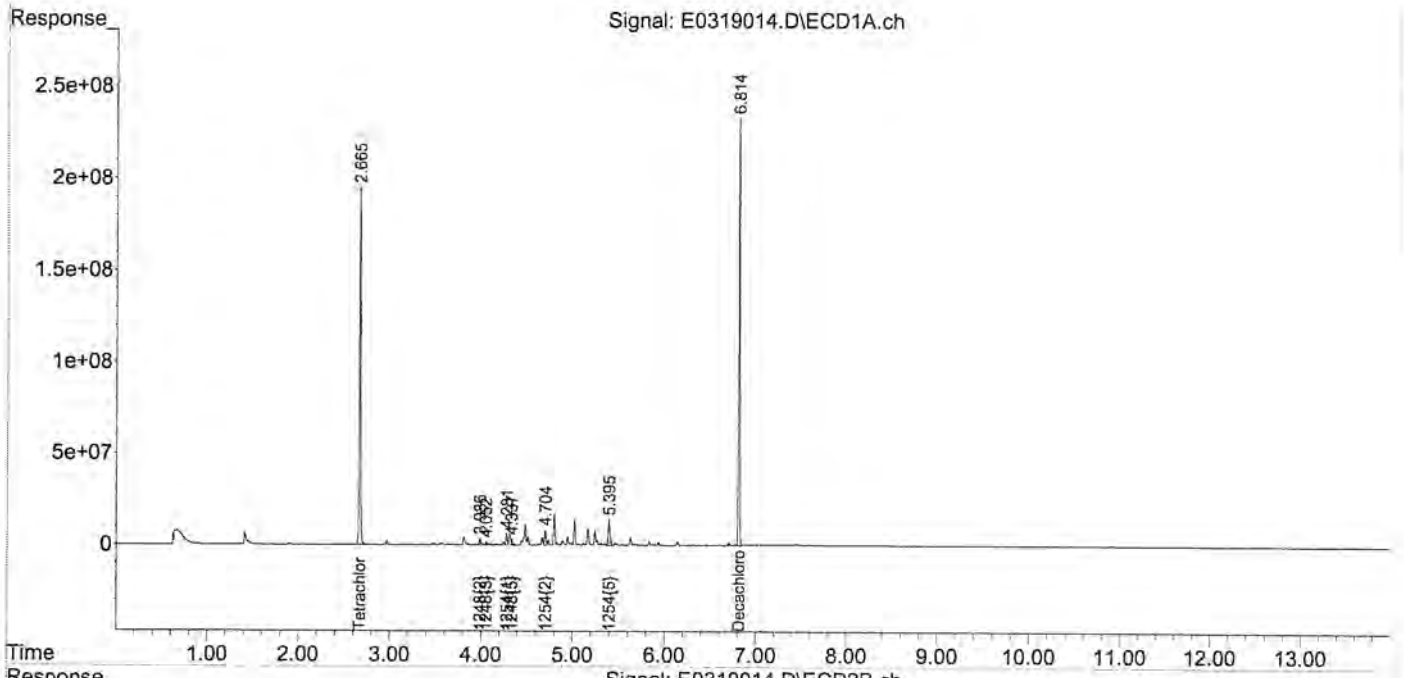


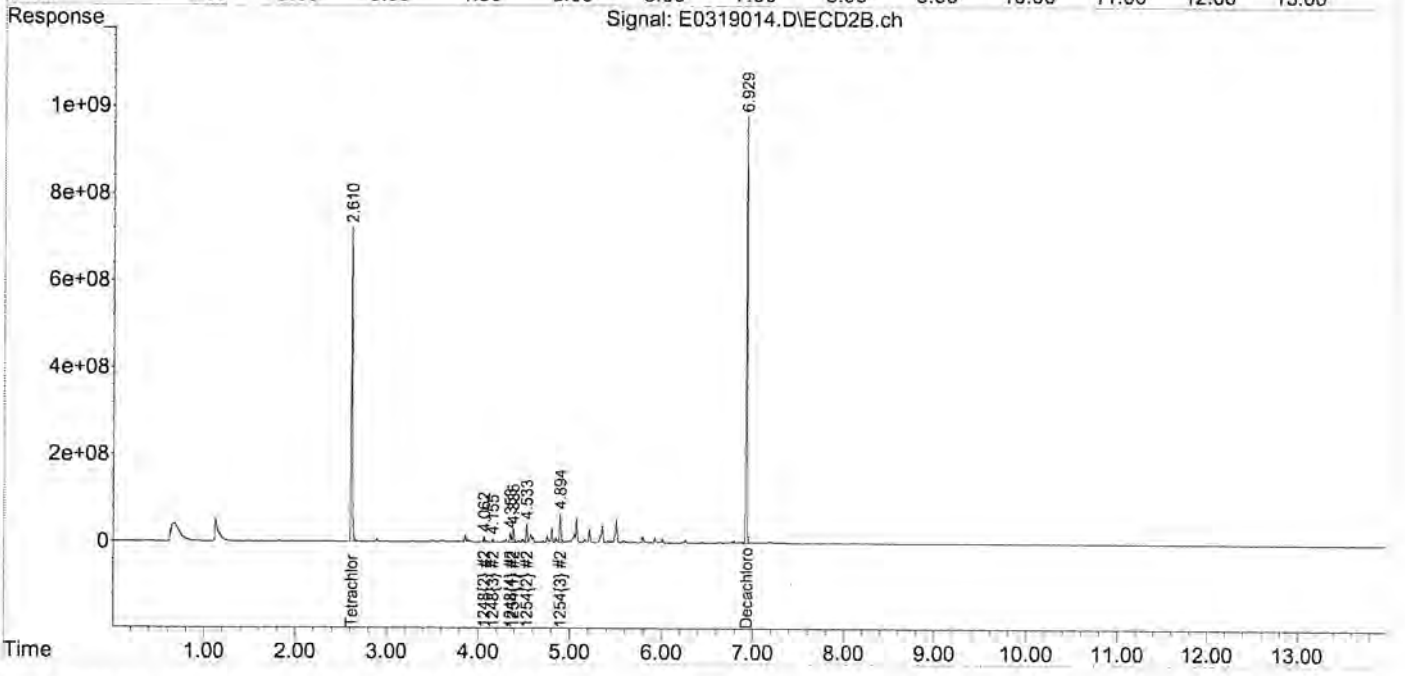
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 8:25 pm
Operator : JMB
Sample : 21C0909-21@TBA Inst : ECD 5
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 21:30:48 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



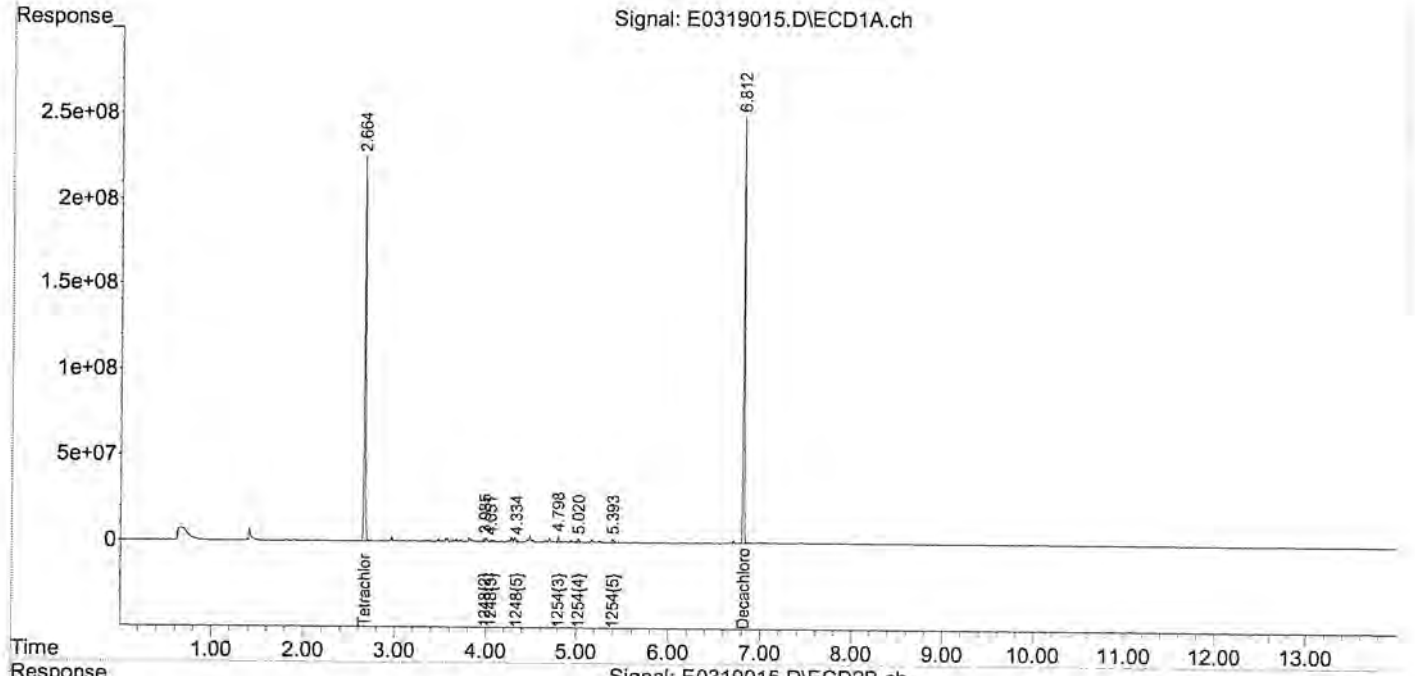


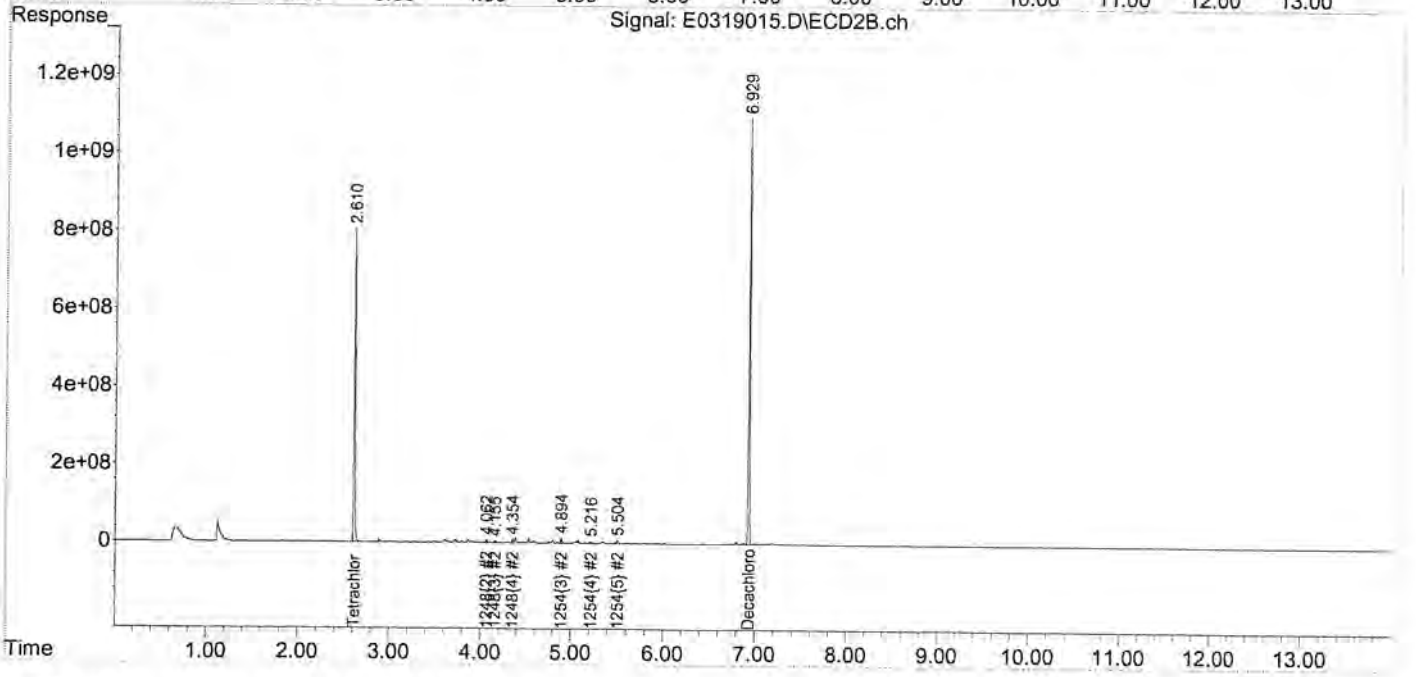
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 8:43 pm
Operator : JMB
Sample : 21C0909-22@TBA Inst : ECD 5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 21:30:51 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





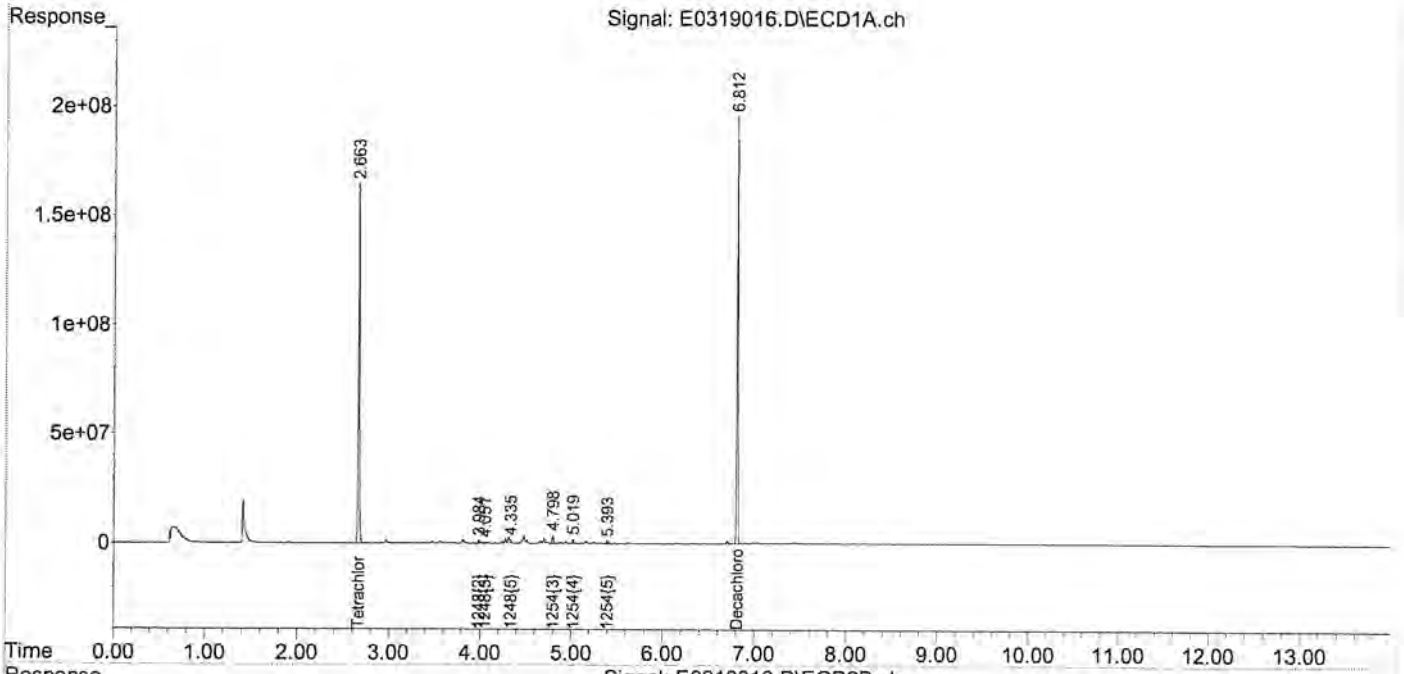
5-PCB-031621C.M Fri Mar 19 23:12:04 2021

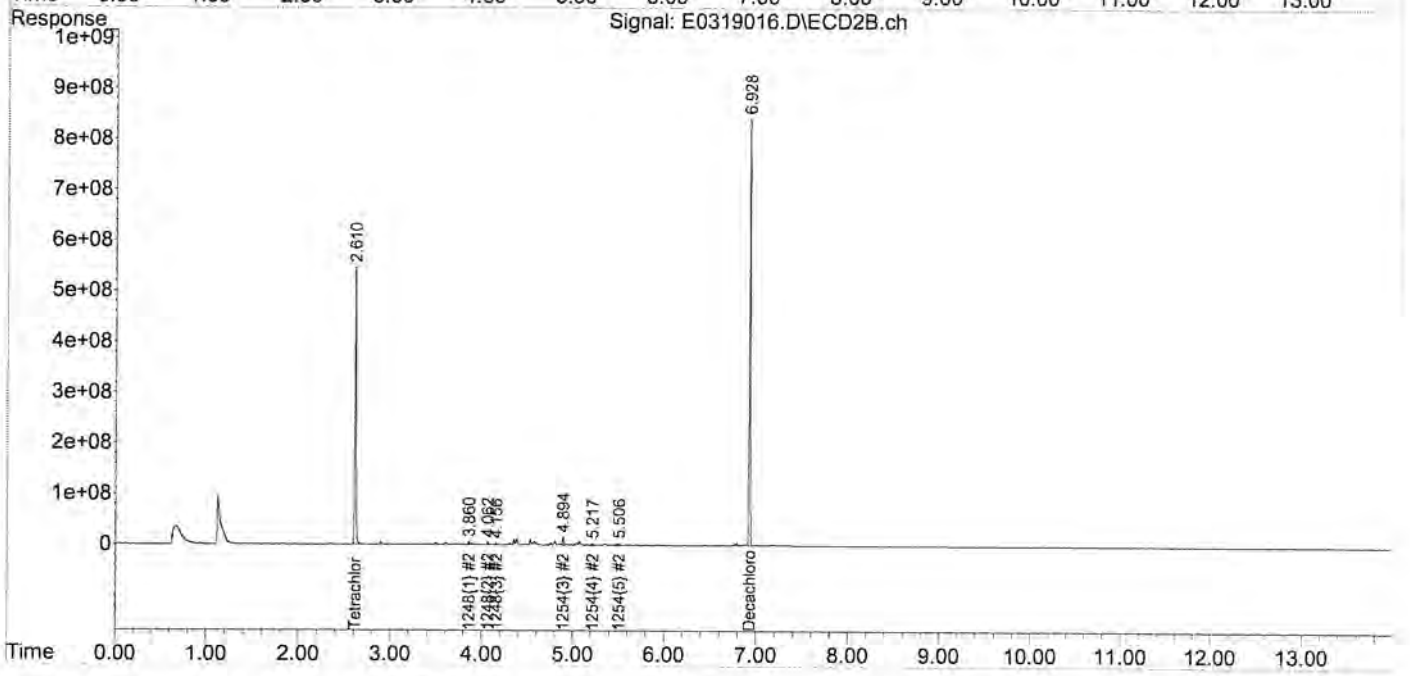
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : E0319016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 9:00 pm
Operator : JMB
Sample : 21C0909-23@TBA Inst : ECD 5
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Mar 19 21:30:55 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-031621C.M
Quant Title : 1260/1016-031421; 1254-031421; 1248-031421; 1242-031421; 1232/1268-031421; 1221/
QLast Update : Thu Mar 18 18:19:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B278261

Con-Test, a Pace Analytical Laboratory

Printed: 3/18/2021 8:35:19AM

Prepared using: SW-846 3540C

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

2.00

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
B278261-BLK1	Blank			LG 3/19/21	*2C	2.00	10.0		1000	
B278261-BS1	LCS					2.00		1000	1000	
B278261-BSD1	LCS Dup					2.00		1000	1000	
21C0909-01	210315.A68.124-1028 30 4E	03/24/21	03/29/21			2.0944			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-02	210315.A60.124-1030 4 oz	03/24/21	03/29/21			2.0680			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-03	210315.A43.124-1032	03/24/21	03/29/21			2.0940			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-04	210315.A2012.124-1034	03/24/21	03/29/21			2.0125			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-05	210315.A28.124-1036	03/24/21	03/29/21			2.0142			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-06	210315.A109.124-1038	03/24/21	03/29/21			2.0280			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-07	210315.A2010.124-1040	03/24/21	03/29/21			2.0515			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-08	210315.A2008.124-1042	03/24/21	03/29/21		2.0996 *3	AJH ~~2.0376~~			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-09	210315.A135.124-1044	03/24/21	03/29/21			2.0393			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-10	210316.A30.125-1046	03/24/21	03/29/21			2.0152			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor

(S) AJH 3/18/21
Spiked by/Witnessed By Date

AJH 3/18/21
Extracted By Date

ran 03/19/21 #9 AMC
Prepped 03/19/21 JR

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B278261

Con-Test, a Pace Analytical Laboratory

Printed: 3/18/2021 8:35:19AM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

Prepared using: SW-846 3540C

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
21C0909-11	210316.A32.125-1048	03/24/21	03/30/21	LG 3/19/21	#26	2.0547	10.0		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-12	210316.A100.125-1050	03/24/21	03/30/21			2.0315			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-13	210316.A142.125-1052	03/24/21	03/30/21			2.0157			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-14	210316.A40.125-1053	03/24/21	03/30/21			2.0867			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-15	210316.A138.125-1054	03/24/21	03/30/21			2.0153			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-16	210316.A140.125-1056	03/24/21	03/30/21			2.0076			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-17	210316.A2003.125-1058	03/24/21	03/30/21			2.0513			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-18	210316.A33.125-1061	03/24/21	03/30/21			2.0085			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-19	210316.A114.125-1063	03/24/21	03/30/21			2.0518			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21C0909-20	210316.A112.125-1065	03/24/21	03/30/21			2.0263			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor

Scale: 525973

Spiked by/Witnessed By _____ Date _____

Extracted By _____ Date _____

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B278261

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Matrix: Product/Solid

Printed: 3/18/2021 8:35:19AM

Surrogate Solution
2103193 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2101315 1260/1016 Soil Spike - 2000 ug/L

START DATE/TIME:
END DATE/TIME:
SPK Start Date/Time 3/18/21 @ 12:40
WIT:
StopDate/Time 3/19/21 07 27

Standard ID#	Description	Manufacture Lot#
2007070	Sodium Sulfate (Drum 45.5kg)	0000240206
2102079	Acetone	EA362-US
2102208	Methylene Chloride (200 L Drum)	EA414-US
2102275	Hexanes	60311
2102300	Filter Paper (VWR 043) Fluted	A29495172
2103038	Filter Paper (VWR 121) 15.0cm	17184076
2103253	Sodium Sulfate (Baked)	Sodium Sulfate/2
2103299	Distilled Solvent - MeCl2	DCM/ACE

edby/Witnessed By Date

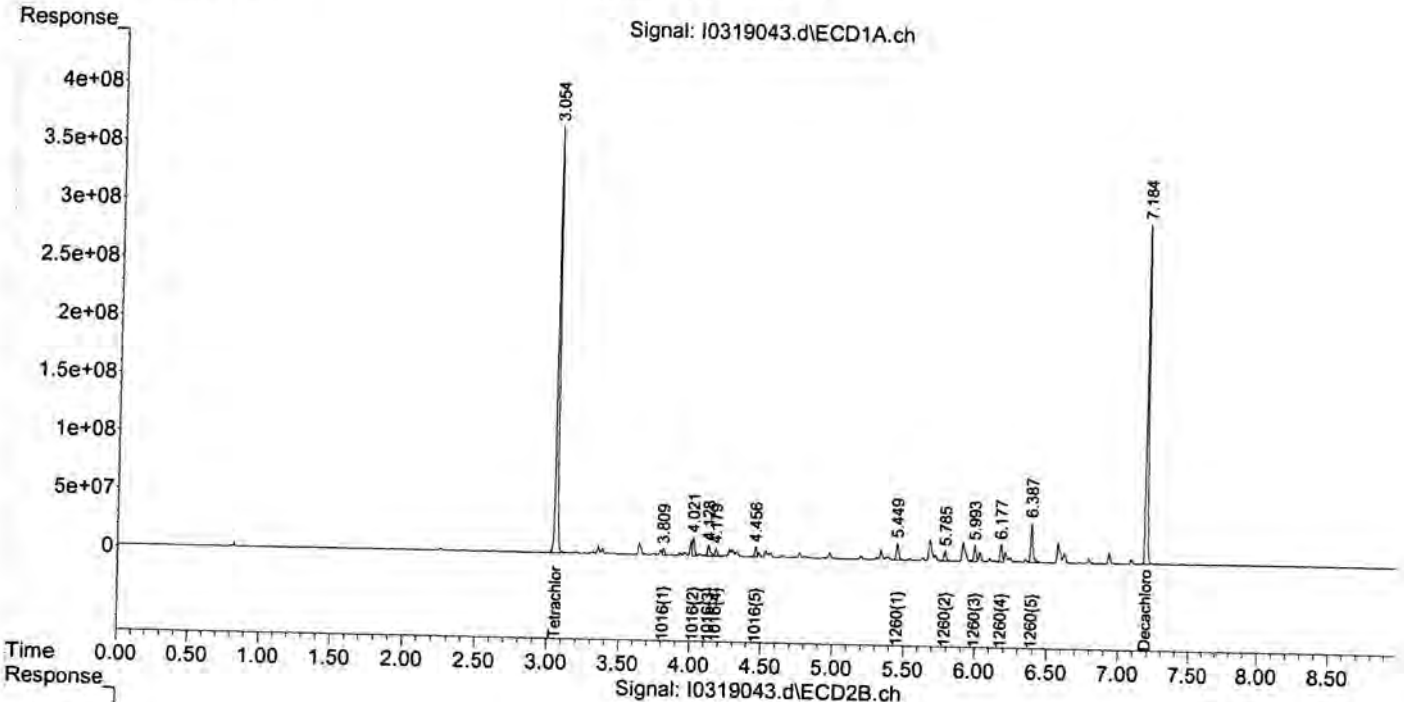
Extracted By Date

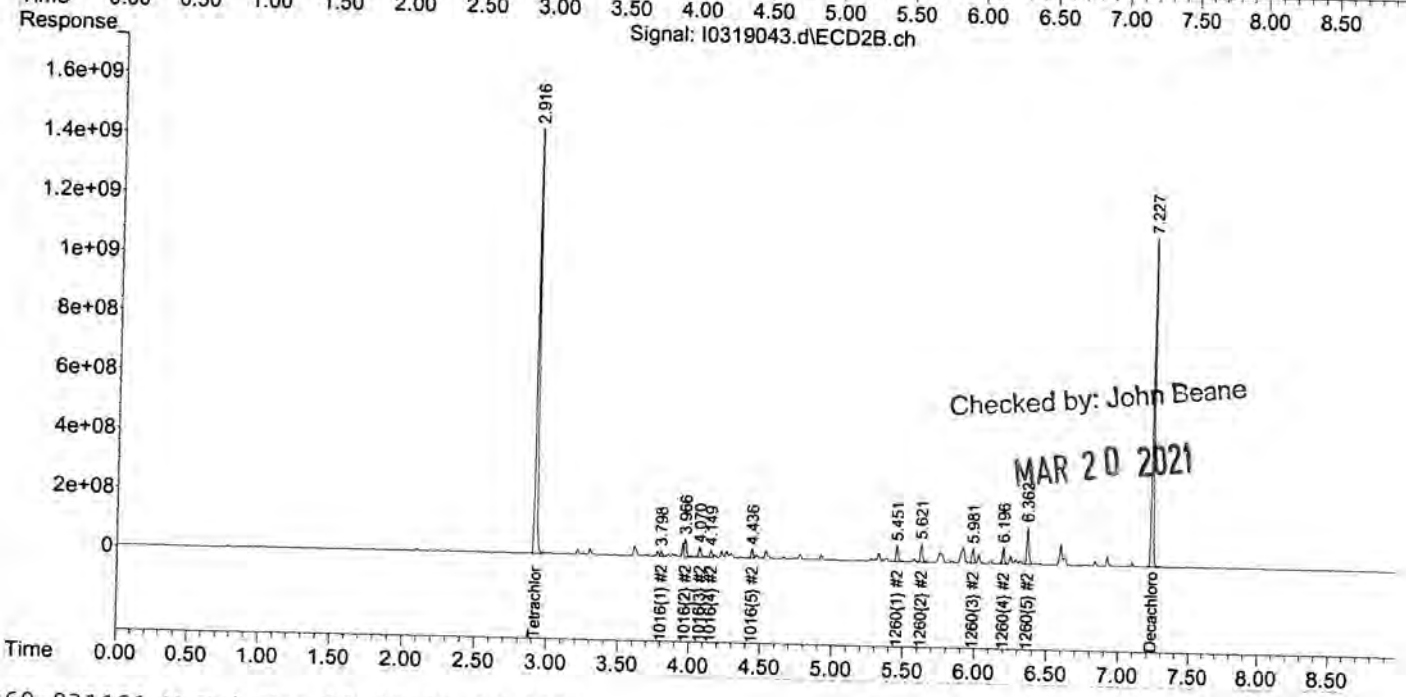
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319043.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 6:50 pm
Operator : JMB
Sample : 1260/1016 100 Inst : ECD 9
Misc :
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Mar 19 20:00:42 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-031121.M
Quant Title : 1260/1016 02/23/21 02/02/21 ICAL 2100053
QLast Update : Wed Feb 24 09:46:40 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





Checked by: John Beane

MAR 20 2021

9-1260-031121.M Fri Mar 19 19:00:43 2021

Quantitation Report (Not Reviewed)

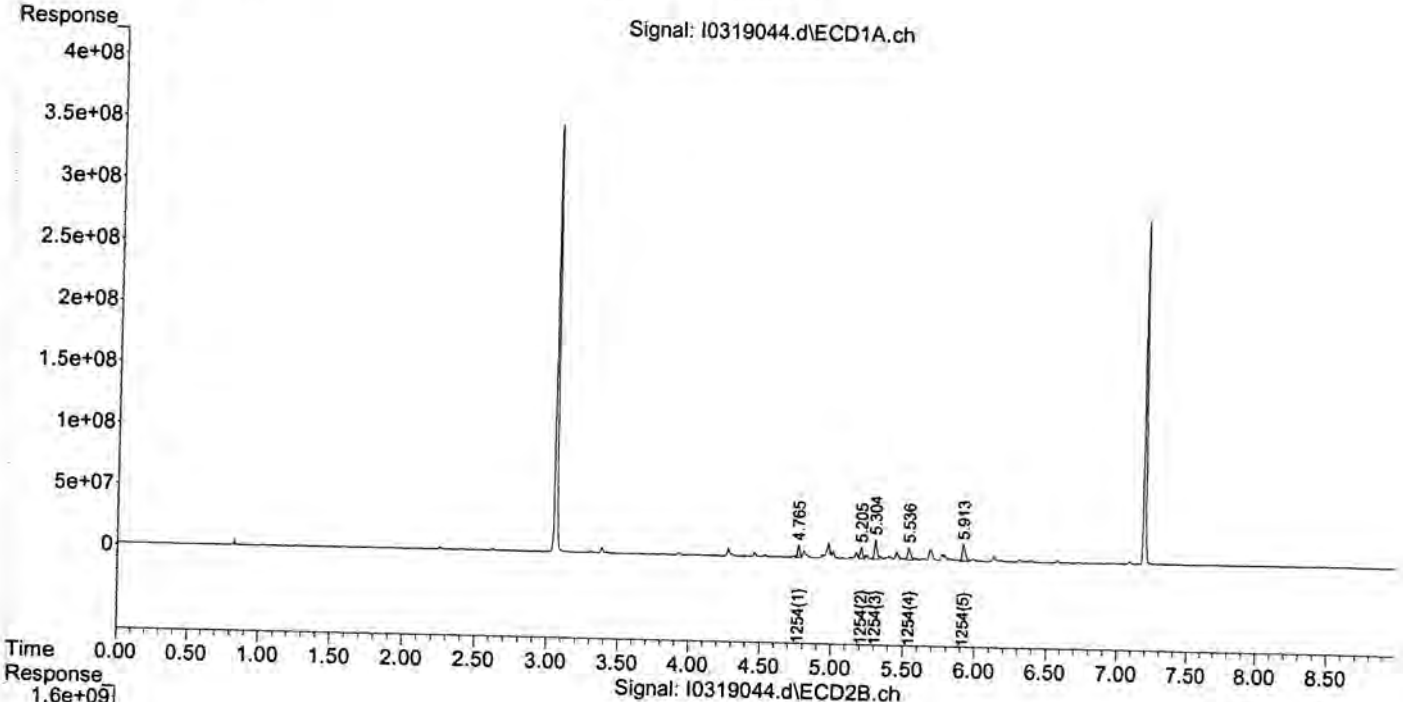
Data Path : C:\msdchem\1\data\031921\
Data File : I0319044.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 7:02 pm
Operator : JMB
Sample : 1254 100
Misc :
ALS Vial : 44 Sample Multiplier: 1

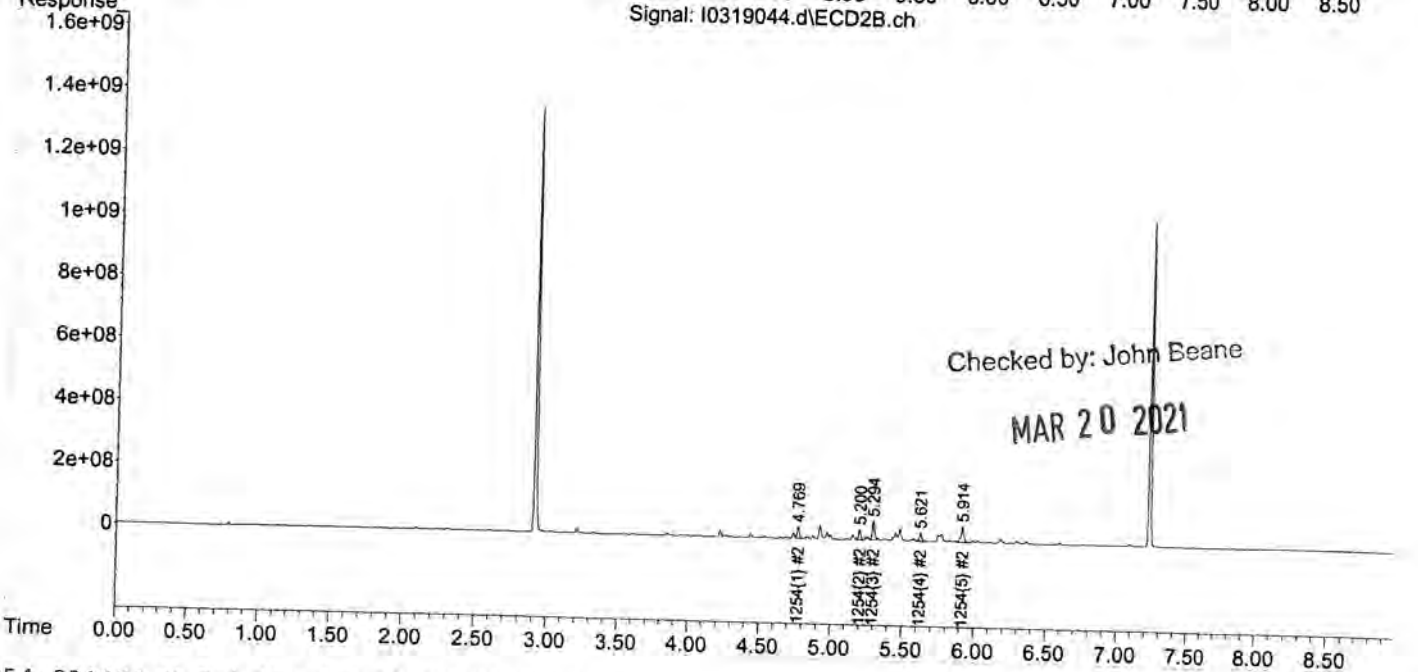
Inst : ECD 9

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 21:20:19 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :

Signal #2 Phase:
Signal #2 Info :





Checked by: John Beane

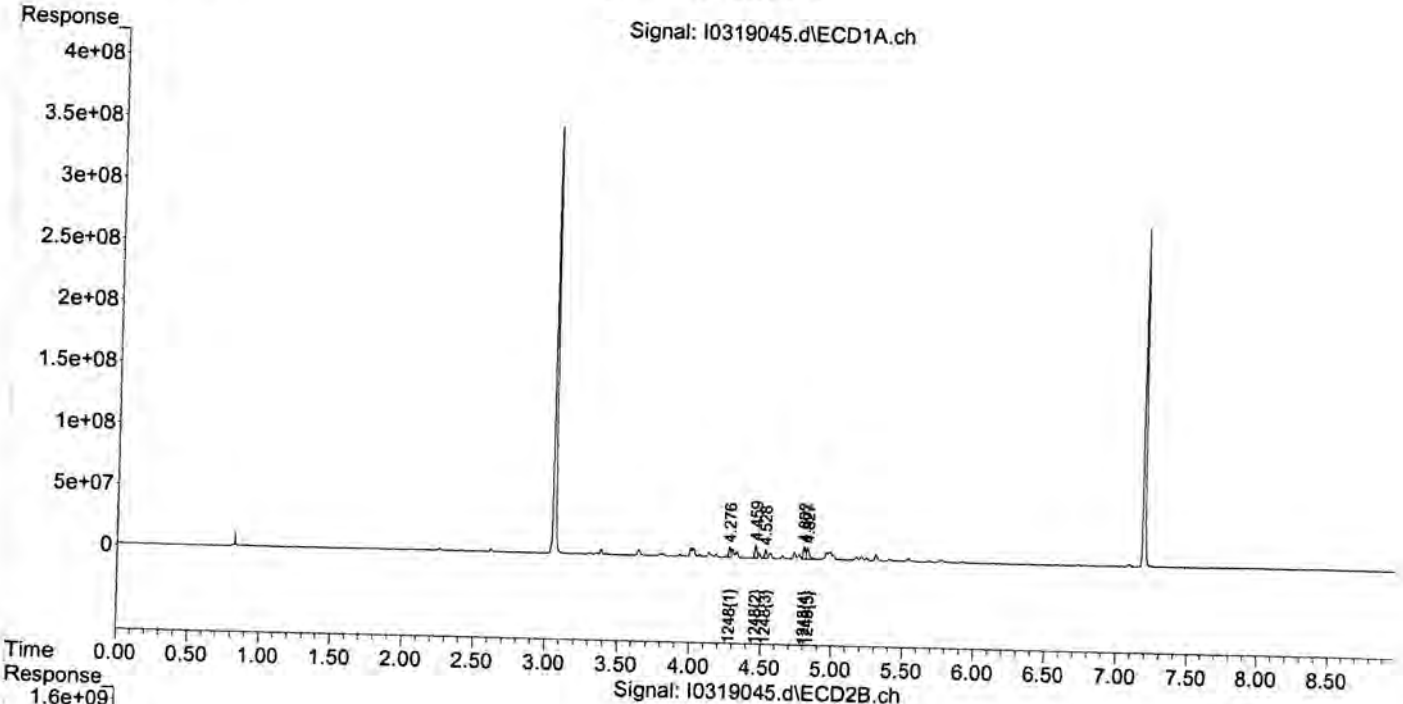
MAR 20 2021

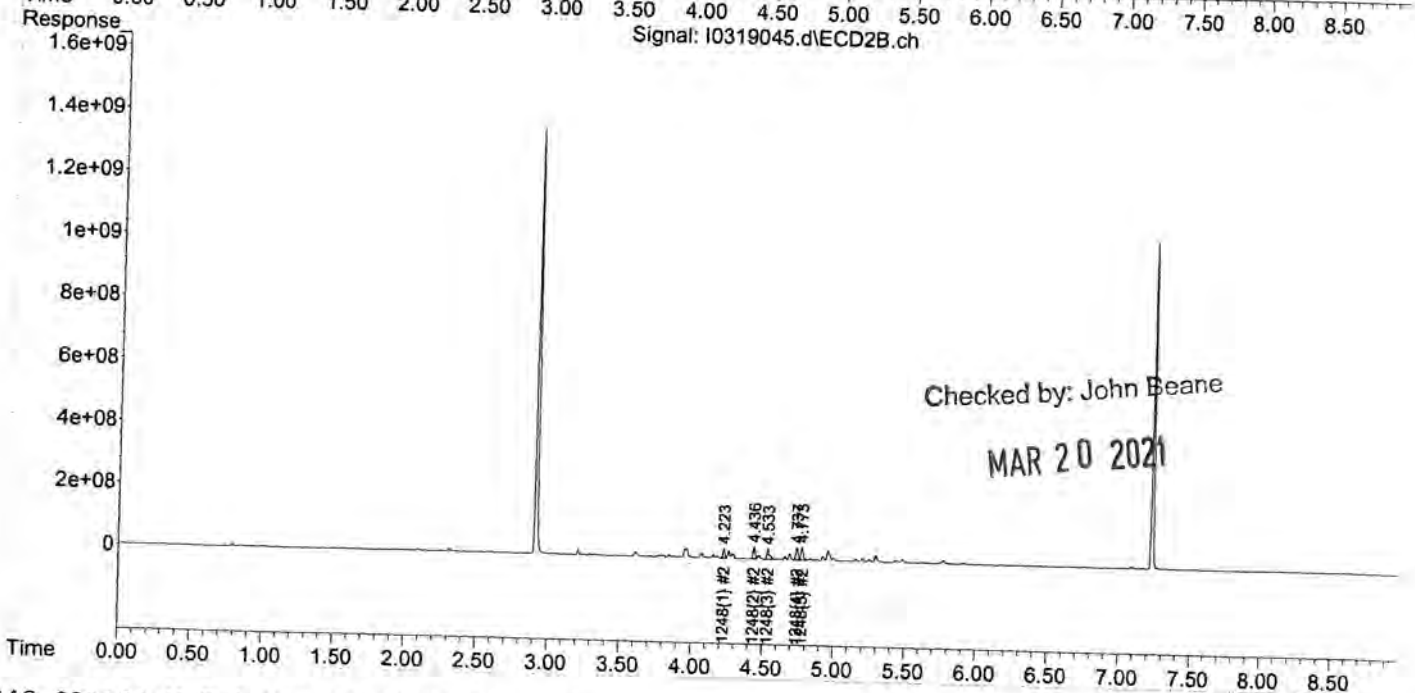
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319045.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 7:15 pm
Operator : JMB
Sample : 1248 100
Misc :
Inst : ECD 9
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: F-1248.E
Integration File signal 2: B-1248.E
Quant Time: Mar 19 21:20:30 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1248-031121.M
Quant Title : 1248 02/22/21 10/14/20 ICAL 2100053
QLast Update : Tue Feb 23 11:56:44 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





Checked by: John Beane

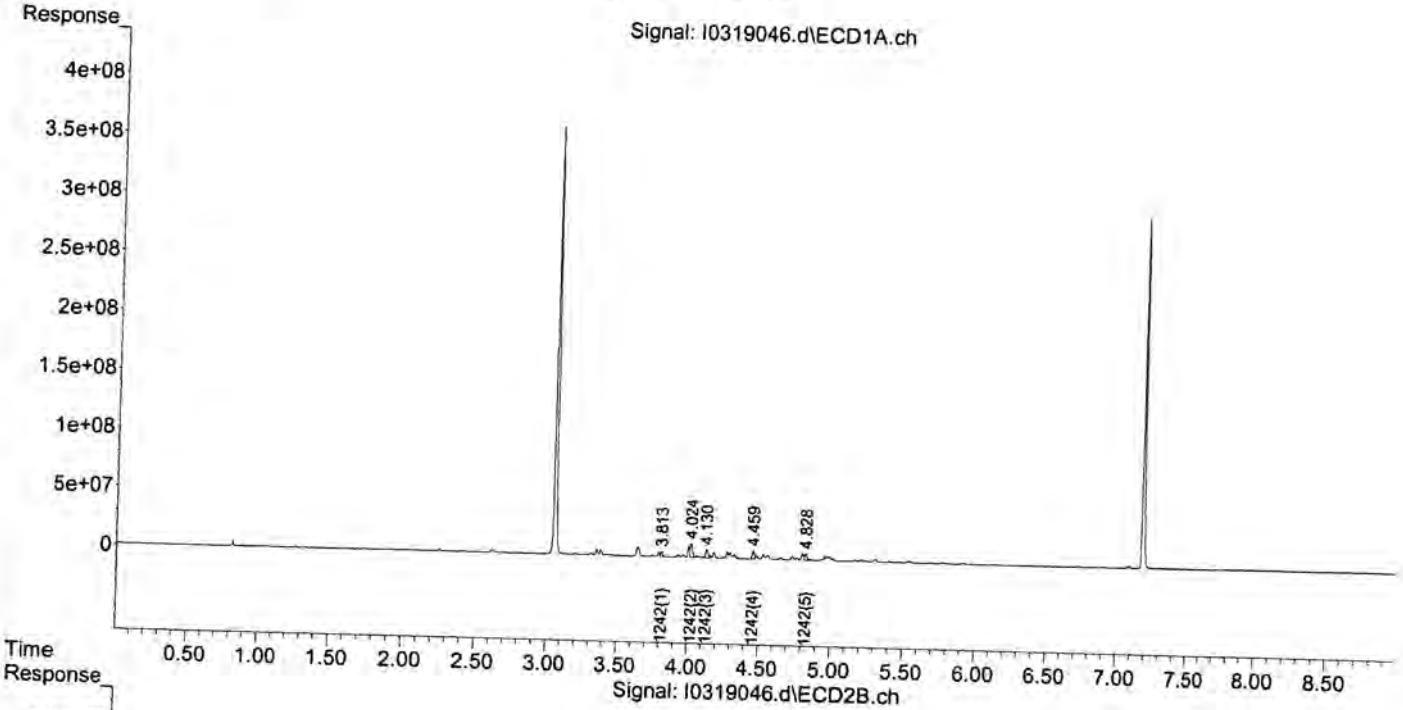
MAR 20 2021

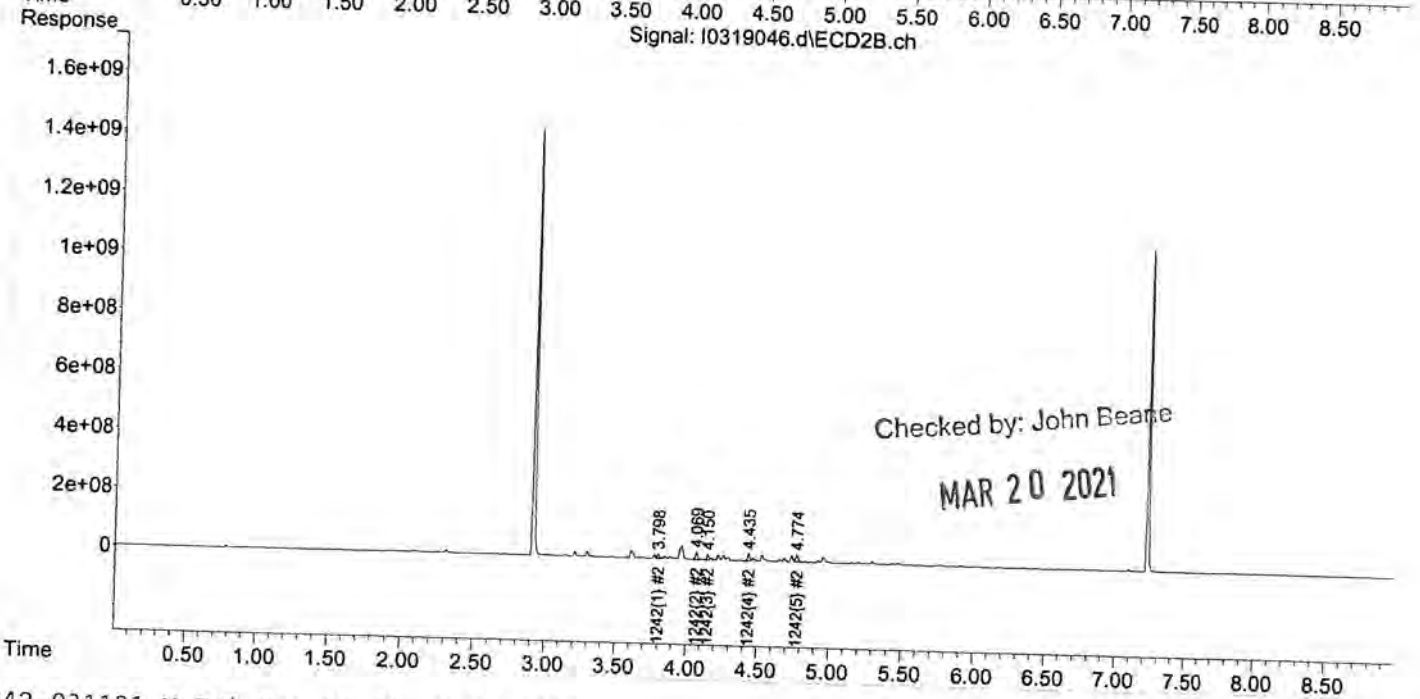
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319046.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 7:27 pm
Operator : JMB
Sample : 1242 100
Misc :
Inst : ECD 9
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: F-1242.E
Integration File signal 2: B-1242.E
Quant Time: Mar 19 21:20:40 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1242-031121.M
Quant Title : 1242 02/22/21 09/28/20 ICAL 2100053
QLast Update : Tue Feb 23 12:00:11 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





Checked by: John Beane

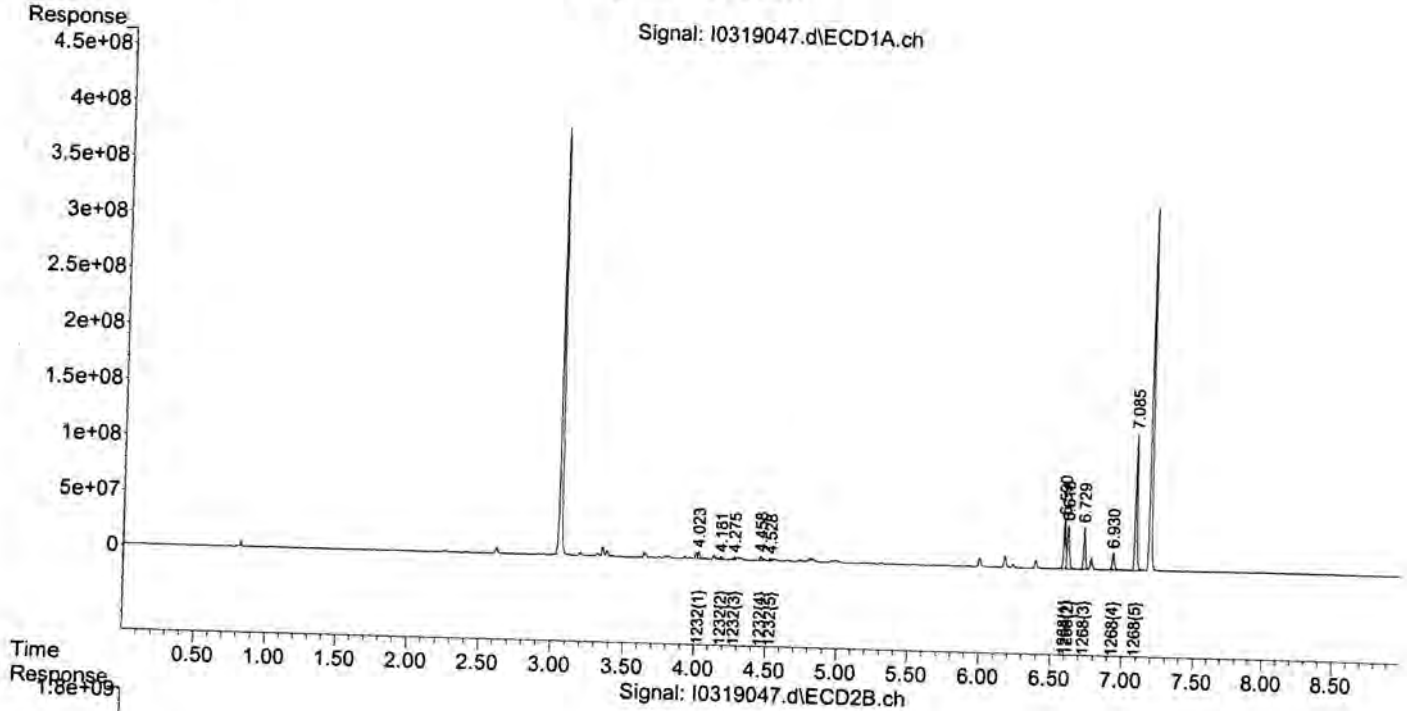
MAR 20 2021

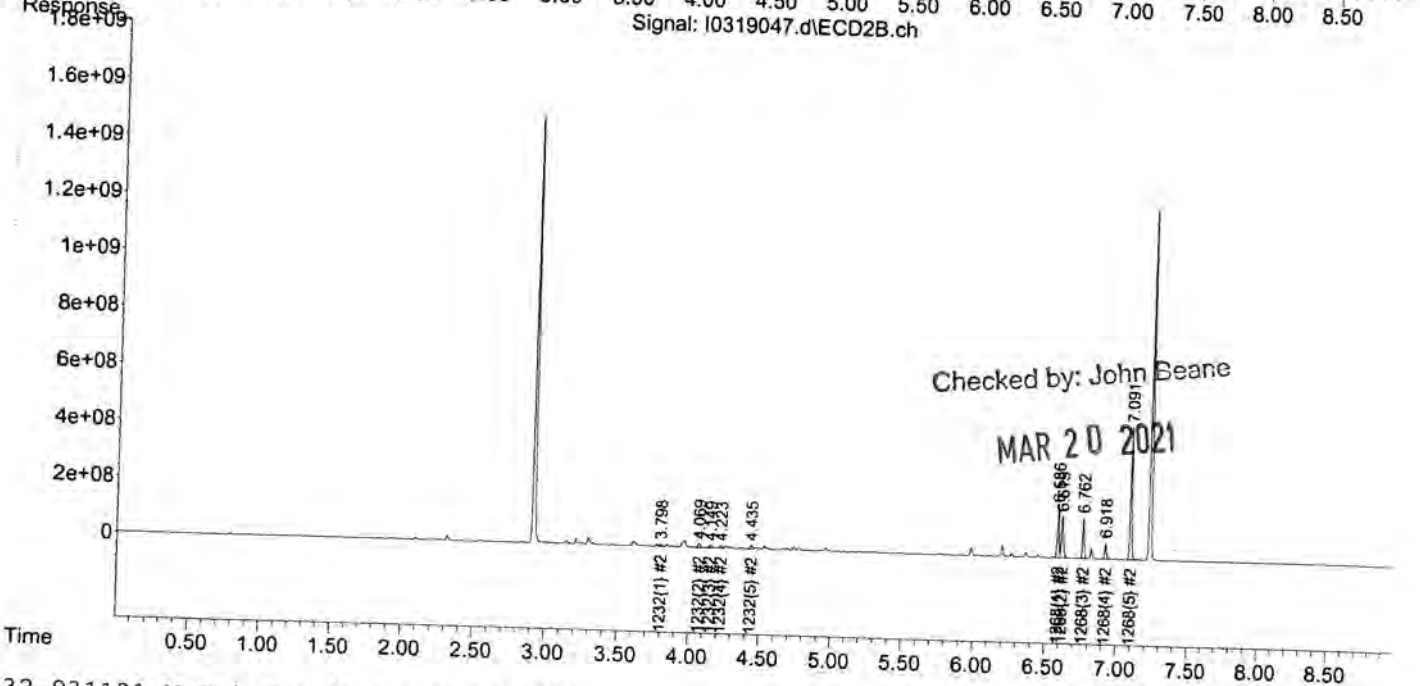
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319047.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 7:40 pm
Operator : JMB
Sample : 1232/1268 100
Misc :
Inst : ECD 9
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: F-1232.E
Integration File signal 2: B-1232.E
Quant Time: Mar 19 21:20:51 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1232-031121.M
Quant Title : 1232/1268 02/22/21 12/22/20 ICAL 2100053
QLast Update : Tue Feb 23 14:59:41 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





Checked by: John Seane
MAR 20 2021

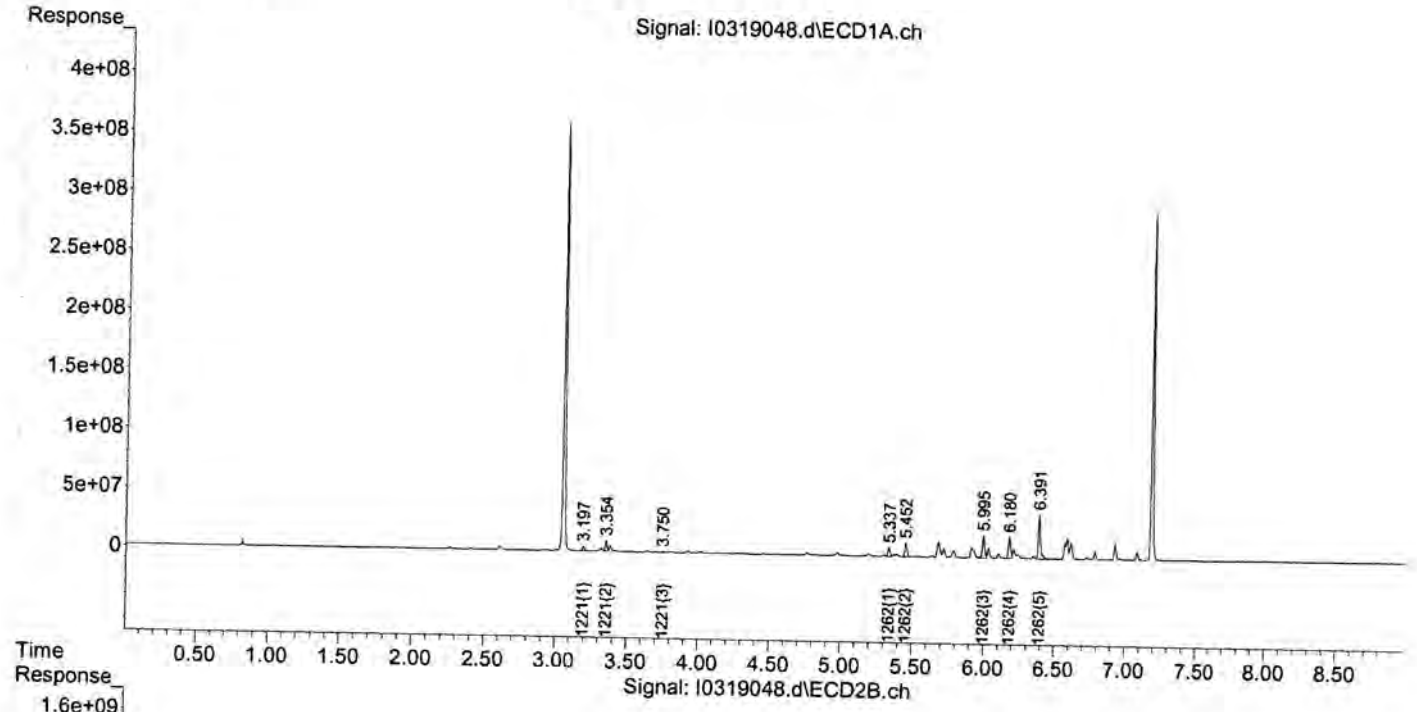
9-1232-031121.M Fri Mar 19 20:20:52 2021

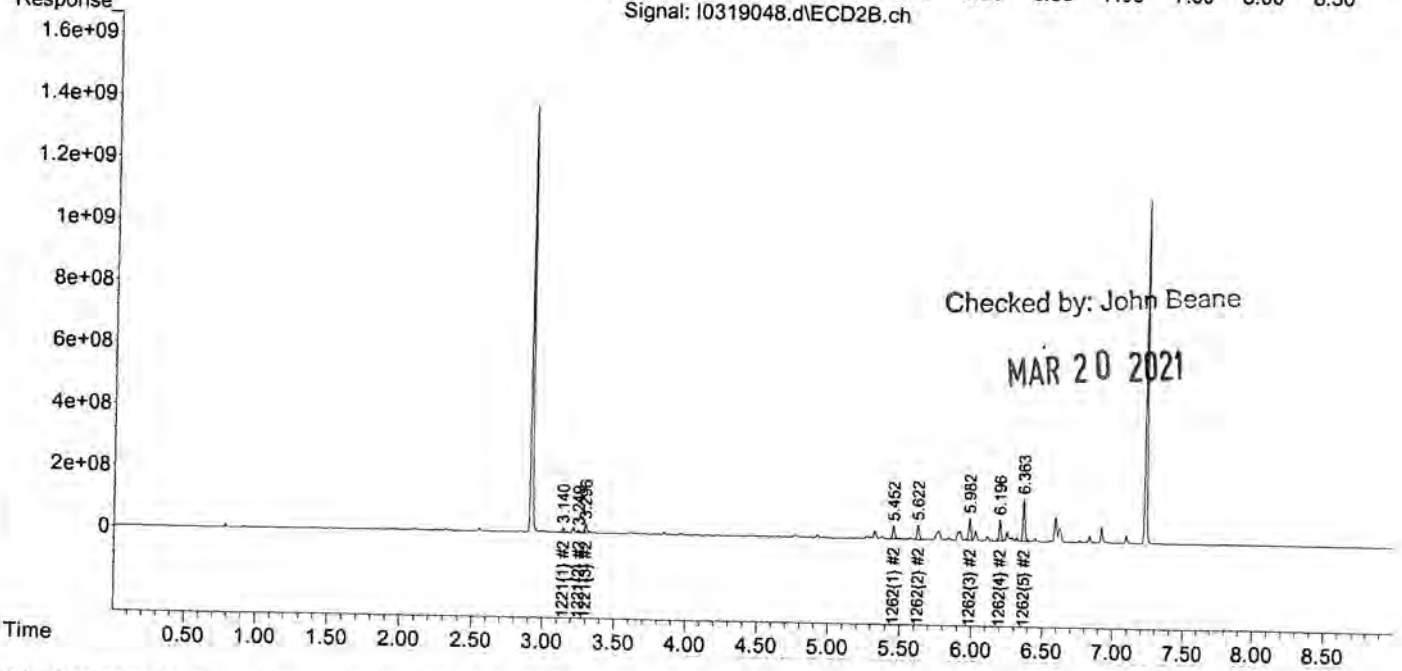
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319048.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 7:52 pm
Operator : JMB
Sample : 1221/1262 100 Inst : ECD 9
Misc :
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: F-1221.E
Integration File signal 2: B-1221.E
Quant Time: Mar 19 21:21:10 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1221-031121.M
Quant Title : 1221/1262 02/23/21 12/29/20 ICAL 2100053
QLast Update : Wed Feb 24 09:48:50 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





Checked by: John Beane

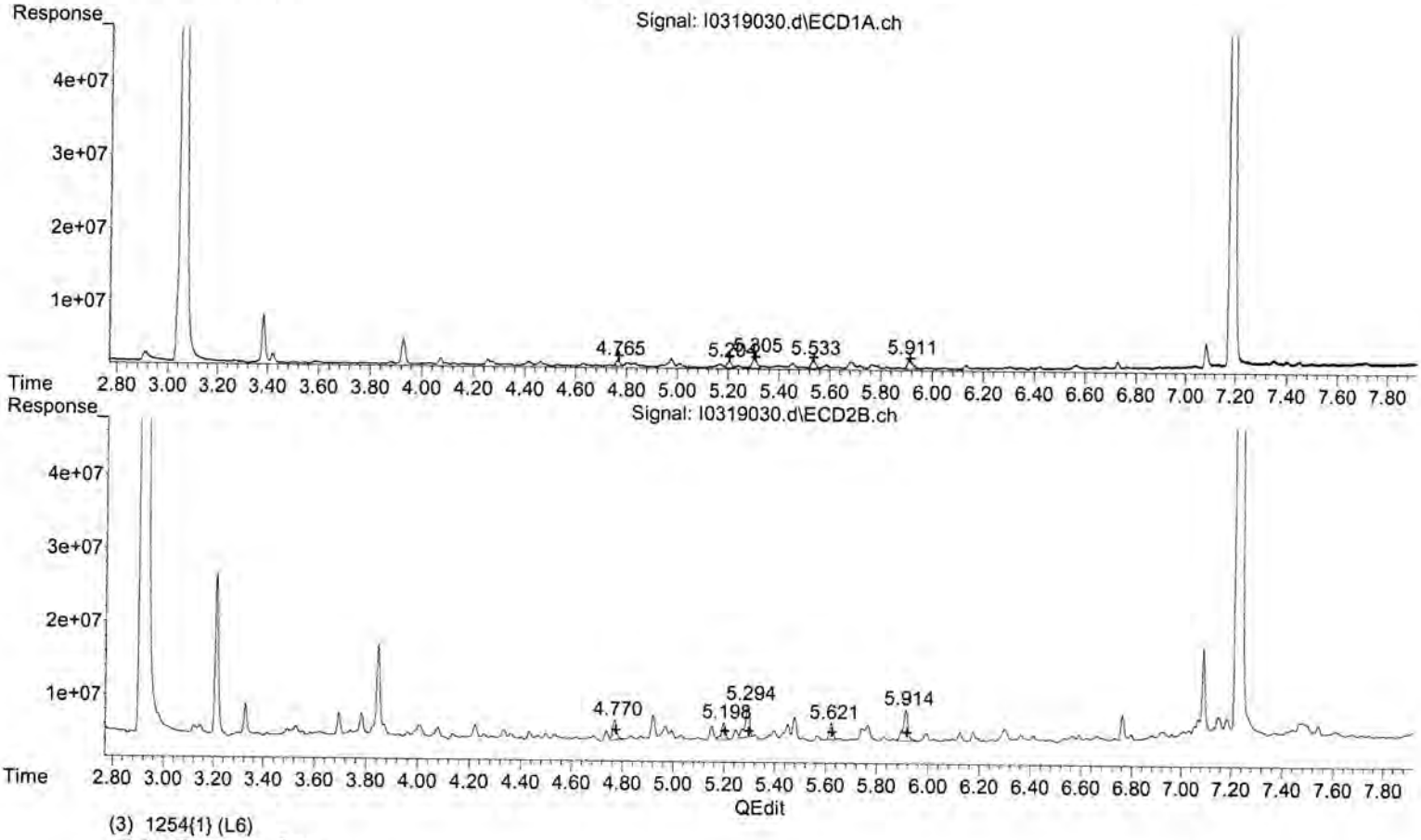
MAR 20 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319030.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 3:03 pm
Operator : JMB
Sample : 21C0909-01@TBA Inst : ECD 9
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:55:30 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.77	10222576	9.55
5.20	11750009	9.99
5.30	20687428	10.90
5.53	16329417	11.24
5.91	21287643	10.60

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	30983855	7.53
5.20	25640215	7.09
5.29	56017452	8.83
5.62	22852942	7.27
5.91	59294325	8.66

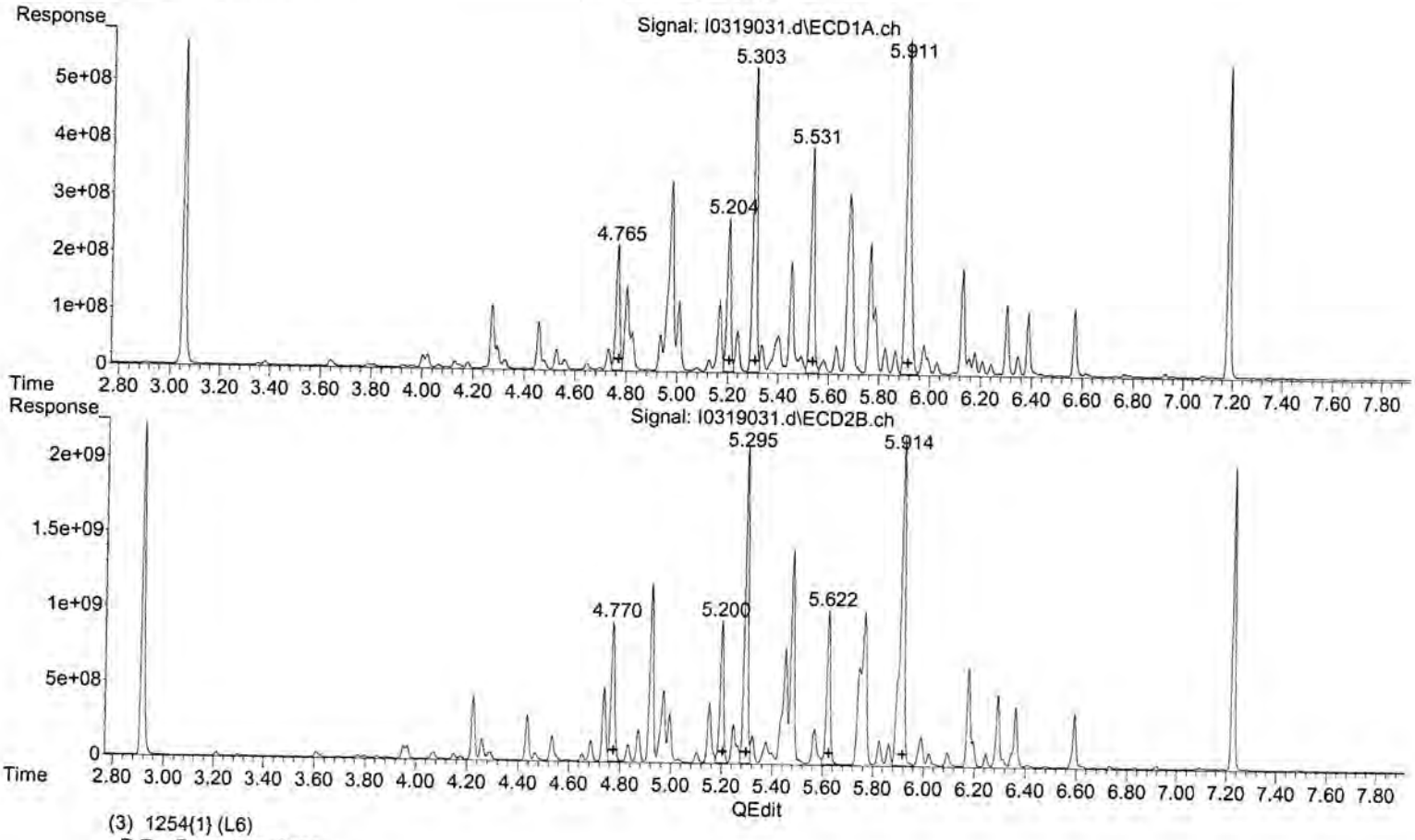
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 05:14:21 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319031.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 3:21 pm
Operator : JMB
Sample : 21C0909-02@TBA Inst : ECD 9
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 17:20:20 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.77	2236558128	2088.38
5.20	2862008824	2432.33
5.30	5418798583	2855.00
5.53	4169441035	2868.90
5.91	7549462038	3760.96

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	9601935669	2333.65
5.20	9393521002	2597.67
5.30	20013629095	3156.14
5.62	10558121666	3356.48
5.92	27039604015	3947.94

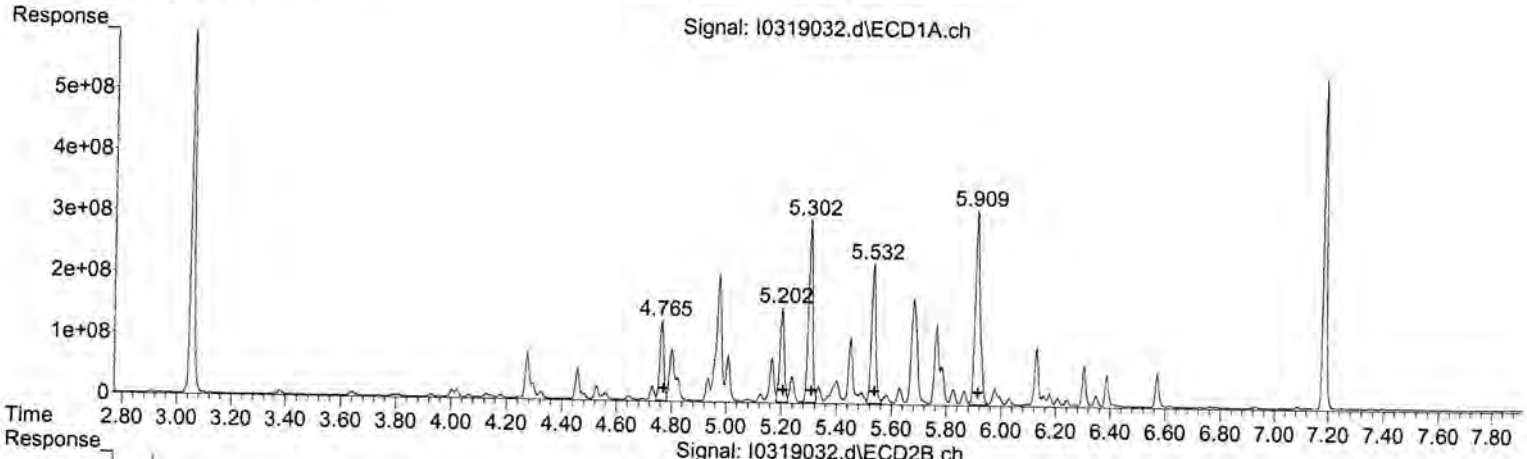
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 05:15:27 2021

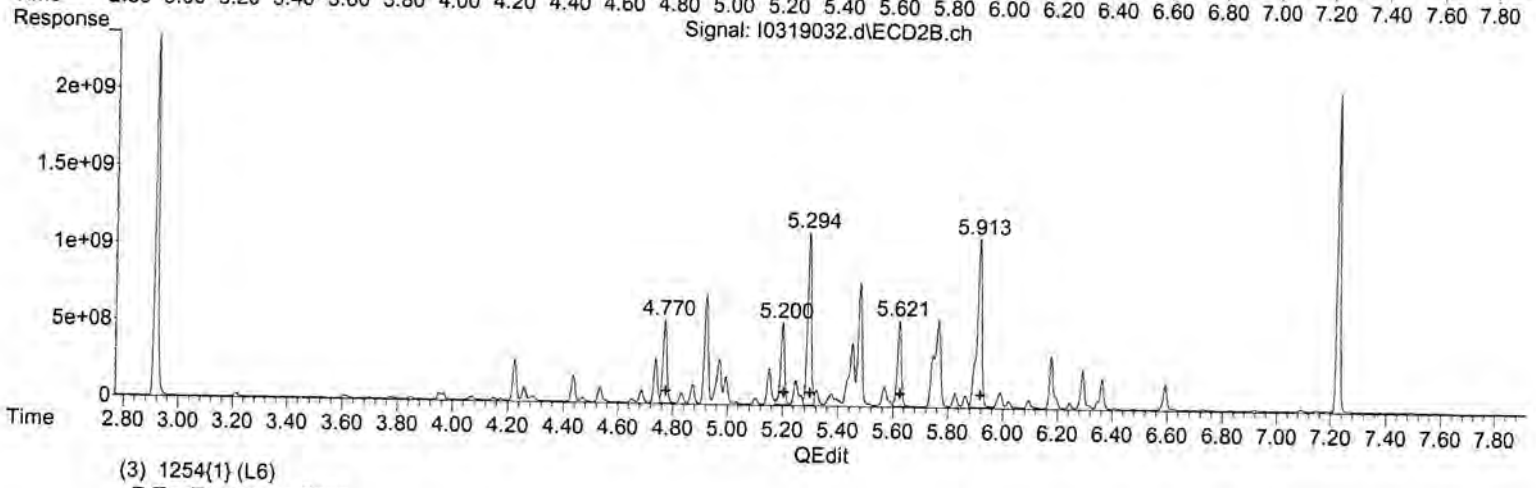
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319032.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 3:38 pm
Operator : JMB
Sample : 21C0909-03@TBA Inst : ECD 9
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 17:21:55 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	1313666360	1226.63
5.20	1649084816	1401.51
5.30	3065642284	1615.19
5.53	2461702650	1693.85
5.91	4006181378	1995.78

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	5565304020	1352.59
5.20	5451094221	1507.44
5.29	10938488902	1724.99
5.62	5787207833	1839.78
5.91	13930446202	2033.93

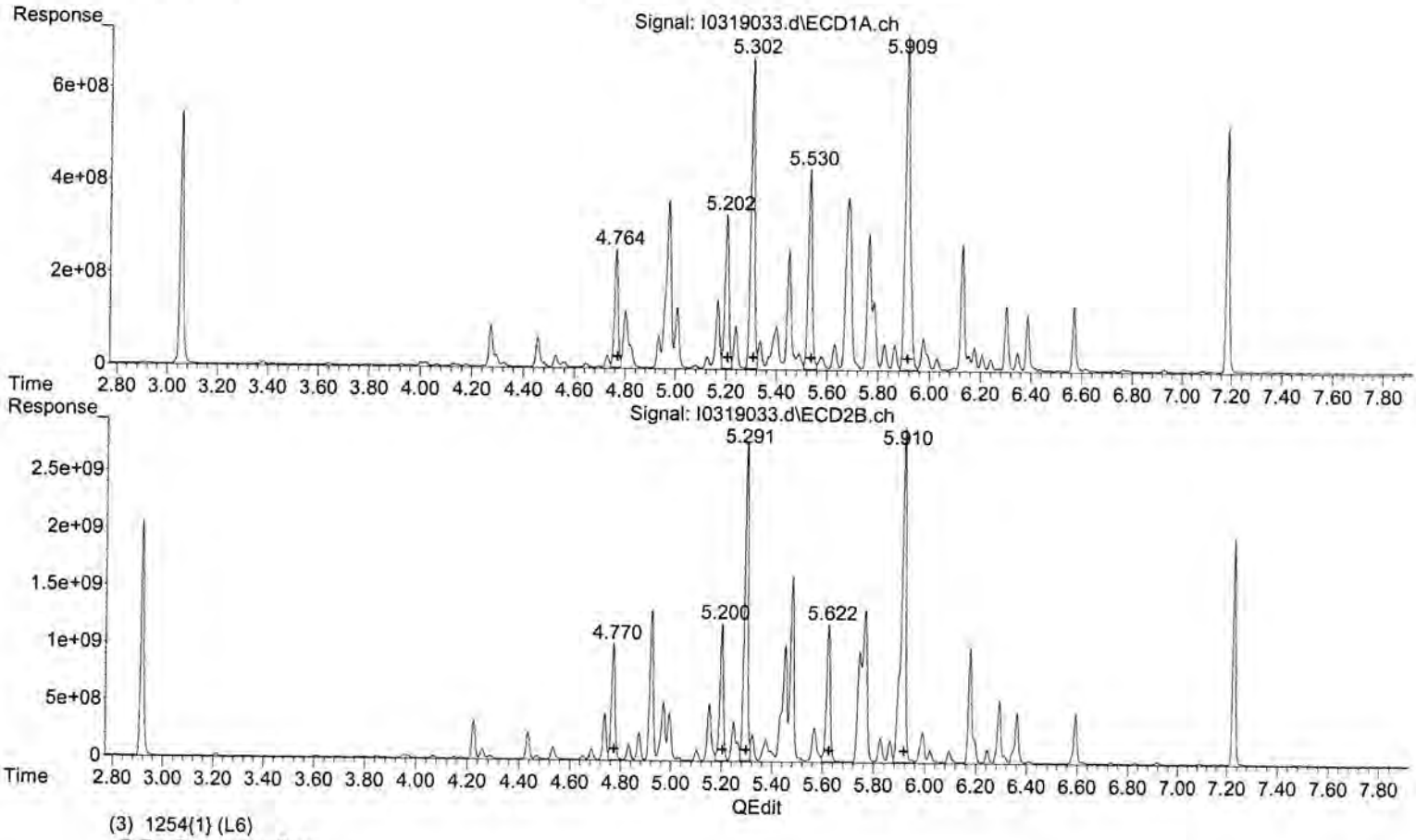
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 05:16:05 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319033.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 3:56 pm
Operator : JMB
Sample : 21C0909-04@TBA Inst : ECD 9
Misc :
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 17:22:51 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	2560713662	2391.06
5.20	3577451931	3040.36
5.30	6936424555	3654.59
5.53	4683191734	3222.41
5.91	9398144578	4681.93

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	10183124485	2474.90
5.20	11884651316	3286.56
5.30	24494727407	3862.81
5.62	12582191862	3999.94
5.92	32685716689	4772.31

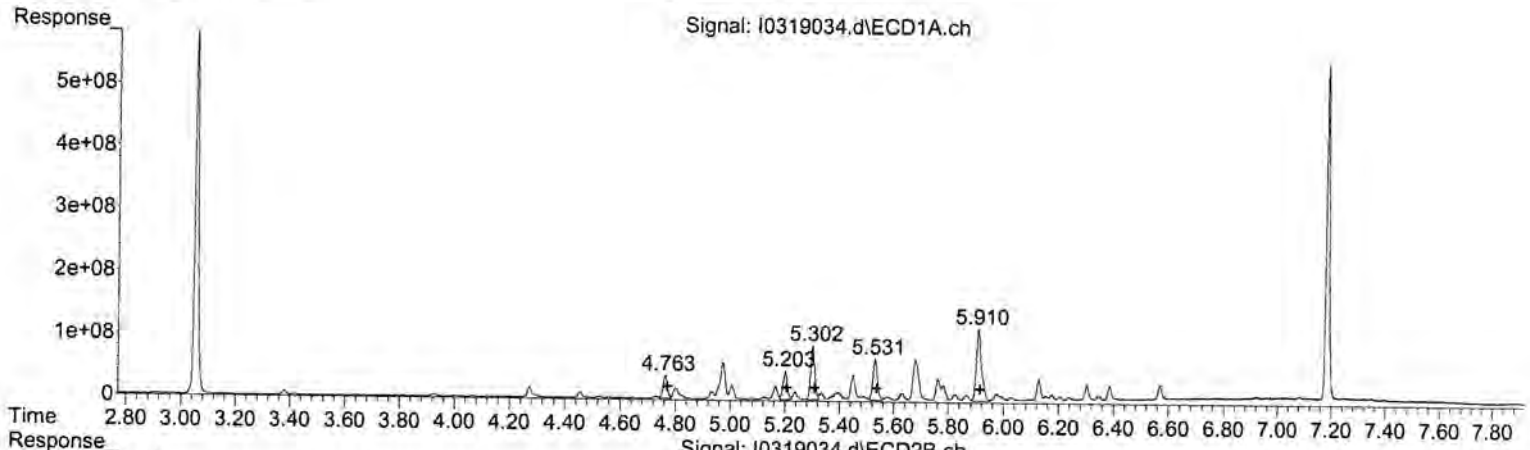
(+) = Expected Retention Time

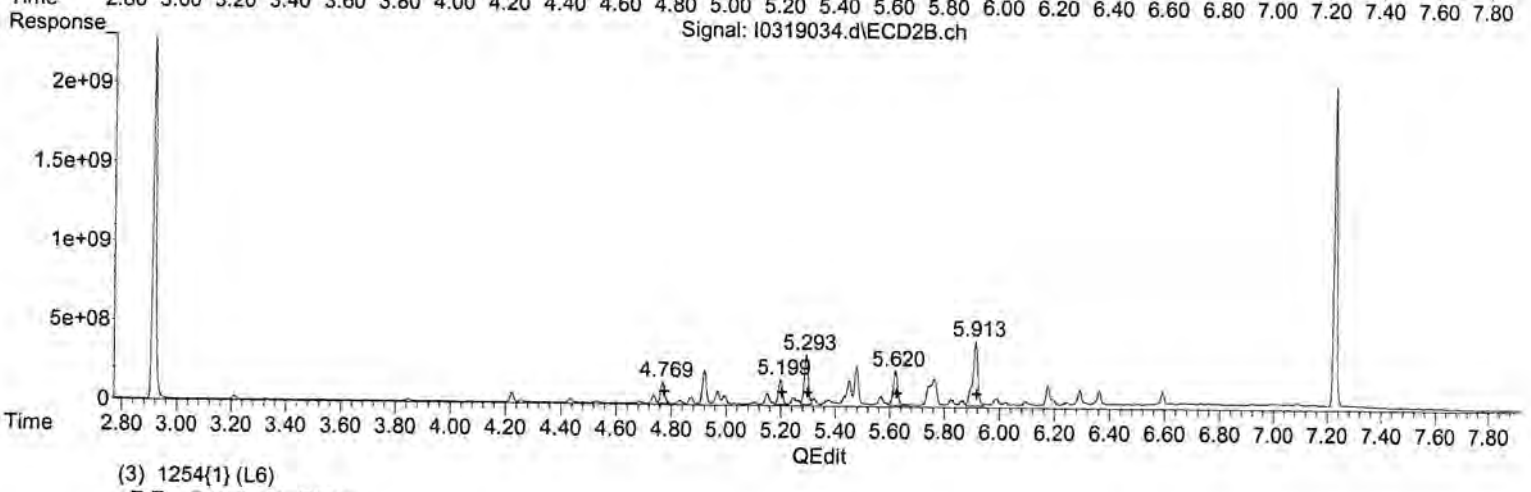
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319034.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 4:13 pm
Operator : JMB
Sample : 21C0909-05@TBA Inst : ECD 9
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 17:36:12 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	390823369	364.93
5.20	500899834	425.70
5.30	904187199	476.39
5.53	763868167	525.60
5.91	1533294935	763.85

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	1382153316	335.92
5.20	1601887329	442.98
5.29	3180454617	501.56
5.62	2344450885	745.31
5.91	5318102849	776.47

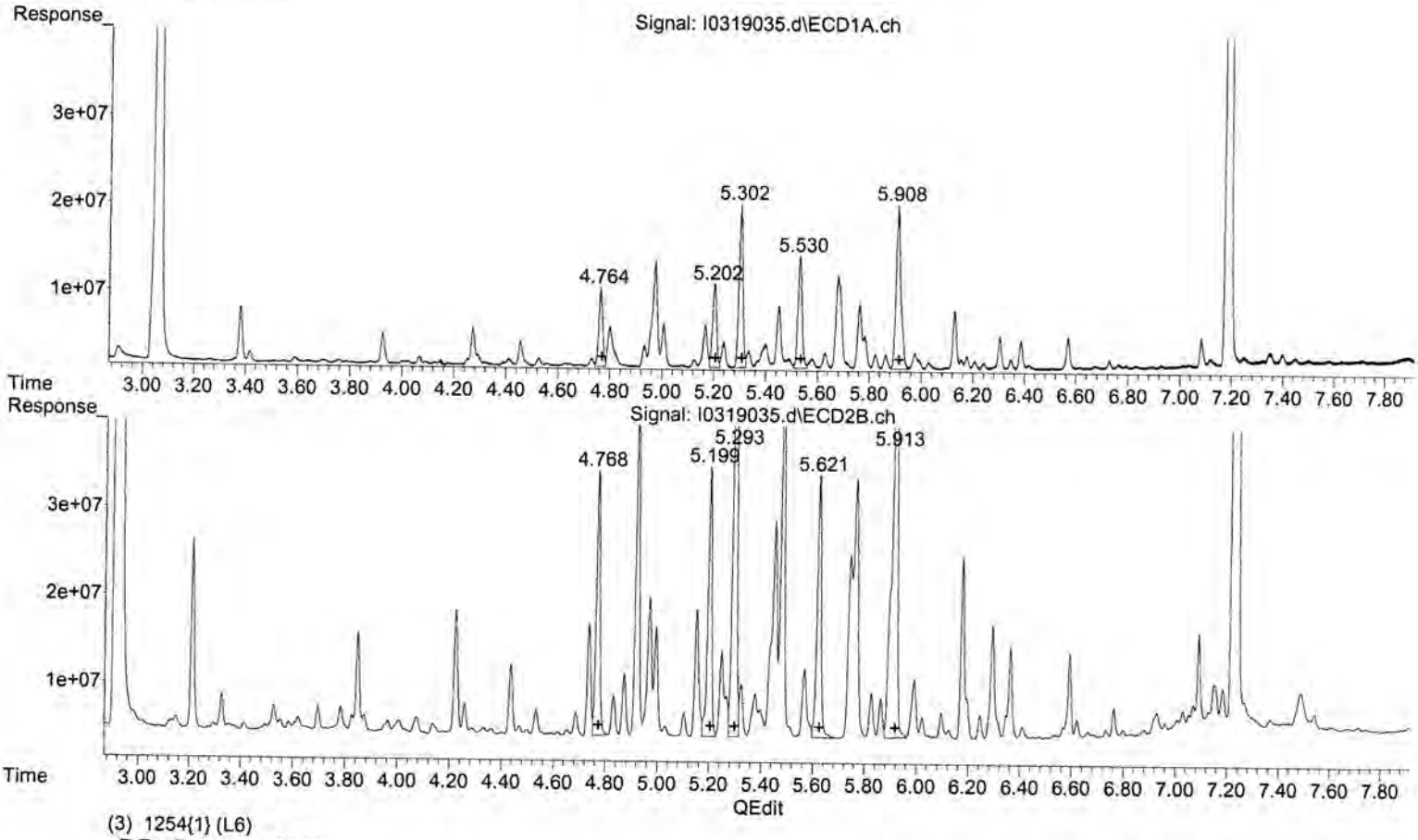
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 05:17:18 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319035.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 4:31 pm
Operator : JMB
Sample : 21C0909-06@TBA Inst : ECD 9
Misc :
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 19:55:37 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	94575752	88.31
5.20	107958778	91.75
5.30	198664586	104.67
5.53	145694528	100.25
5.91	240735031	119.93

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	304640492	74.04
5.20	316092372	87.41
5.29	659051297	103.93
5.62	325453193	103.46
5.91	758228250	110.71

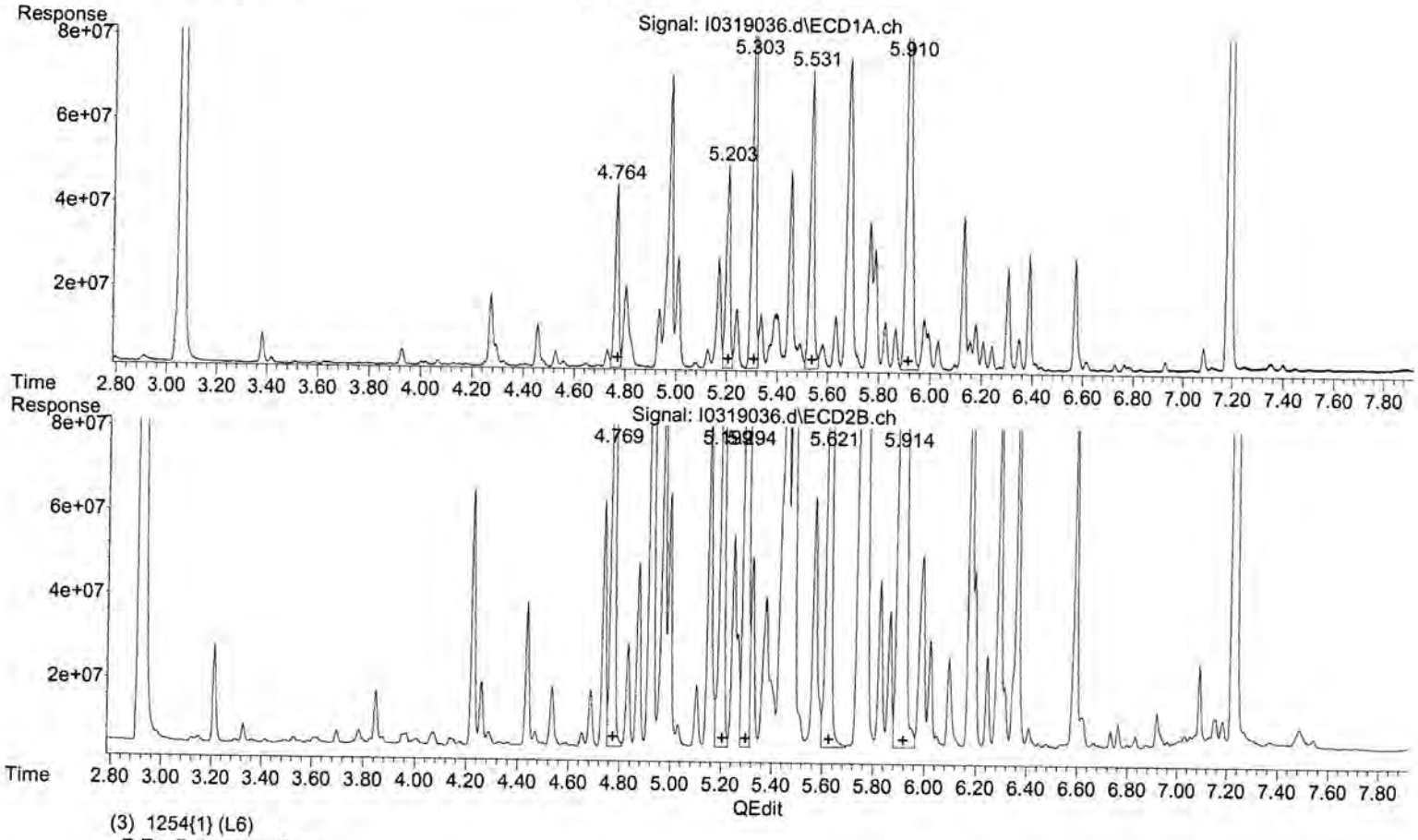
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 05:18:36 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319036.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 4:48 pm
Operator : JMB
Sample : 21C0909-07@TBA Inst : ECD 9
Misc :
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 19:55:41 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	450303968	420.47
5.20	532168868	452.27
5.30	1038604577	547.21
5.53	796424054	548.00
5.91	1655077357	824.52

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	1623889252	394.67
5.20	1809880077	500.50
5.29	3709286272	584.95
5.62	2580388080	820.32
5.91	5751234469	839.71

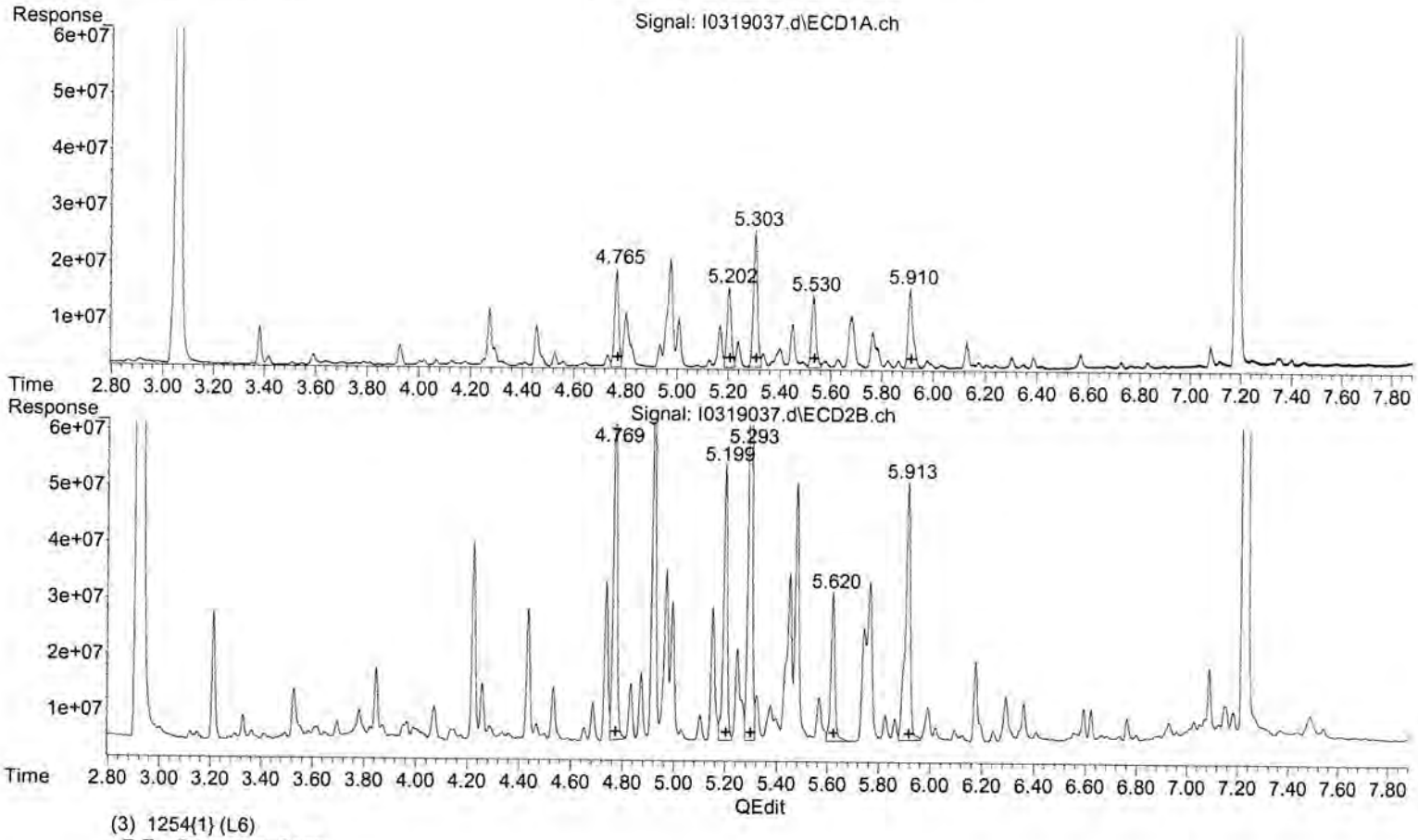
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 05:20:48 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319037.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 5:05 pm
Operator : JMB
Sample : 21C0909-08@TBA Inst : ECD 9
Misc :
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 10:24:09 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	184725438	172.49
5.20	161406228	137.17
5.30	267733353	141.06
5.53	155463240	106.97
5.91	187004148	93.16

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	658230791	159.98
5.20	511412383	141.43
5.29	933040471	147.14
5.62	296462171	94.25
5.91	620647114	90.62

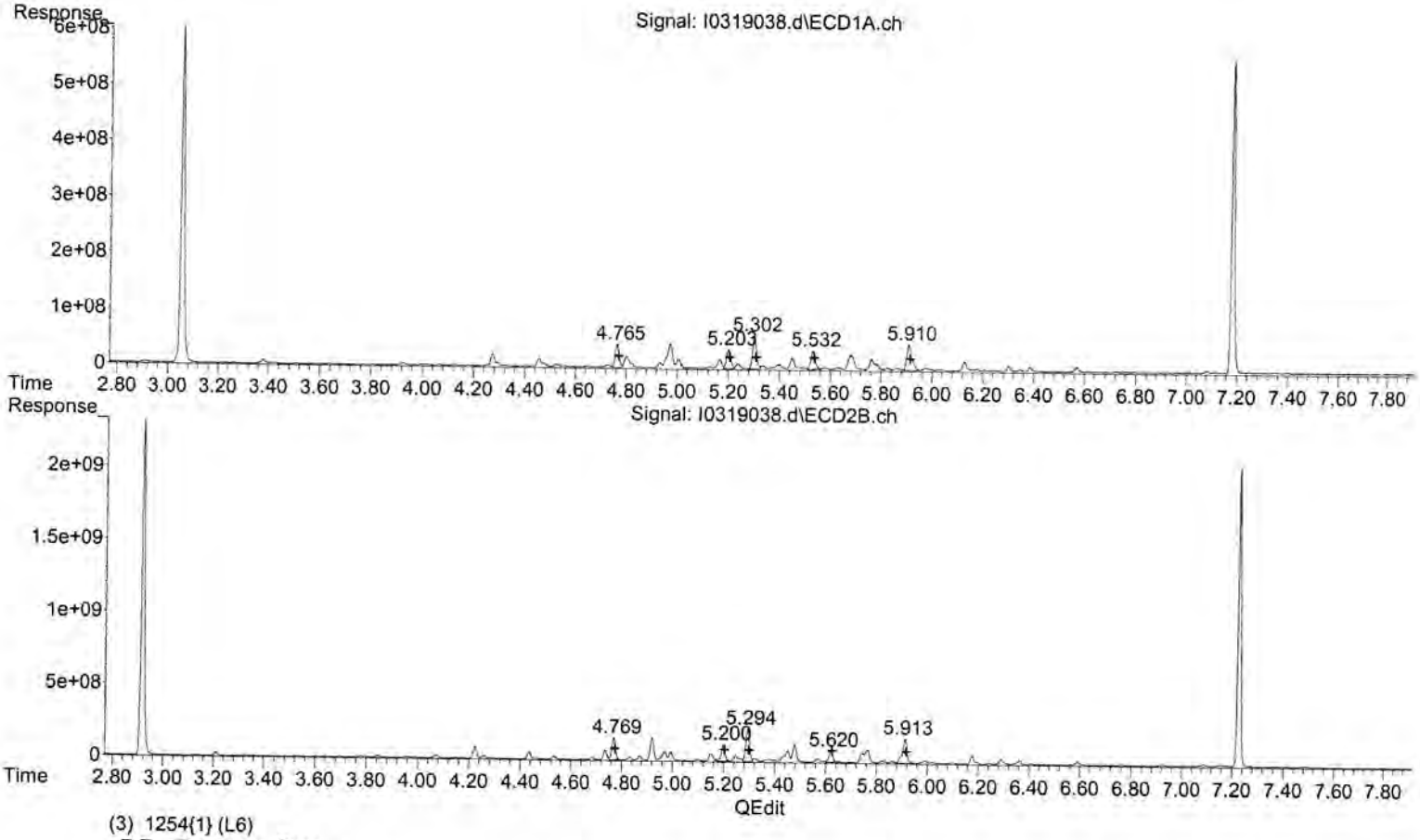
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 10:32:29 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319038.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 5:23 pm
Operator : JMB
Sample : 21C0909-09@TBA Inst : ECD 9
Misc :
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 10:34:15 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	435963896	407.08
5.20	396224933	336.74
5.30	637456476	335.86
5.53	396197799	272.62
5.91	610960355	304.37

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	1554865005	377.89
5.20	1226264896	339.11
5.29	2242060113	353.57
5.62	872584541	277.40
5.91	2133599988	311.52

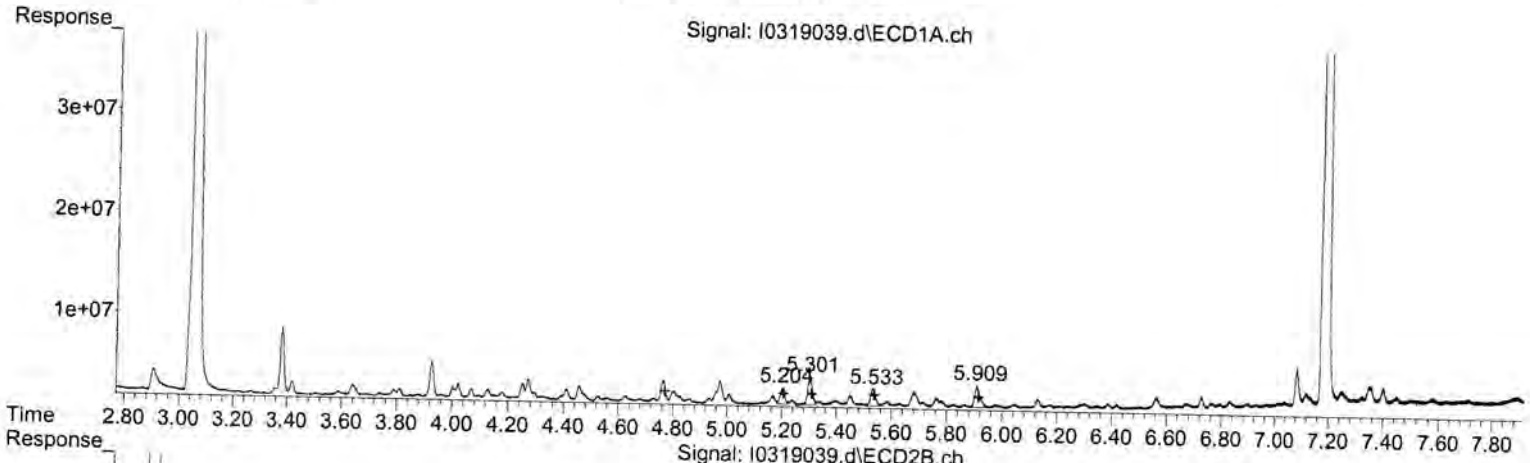
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 10:35:52 2021

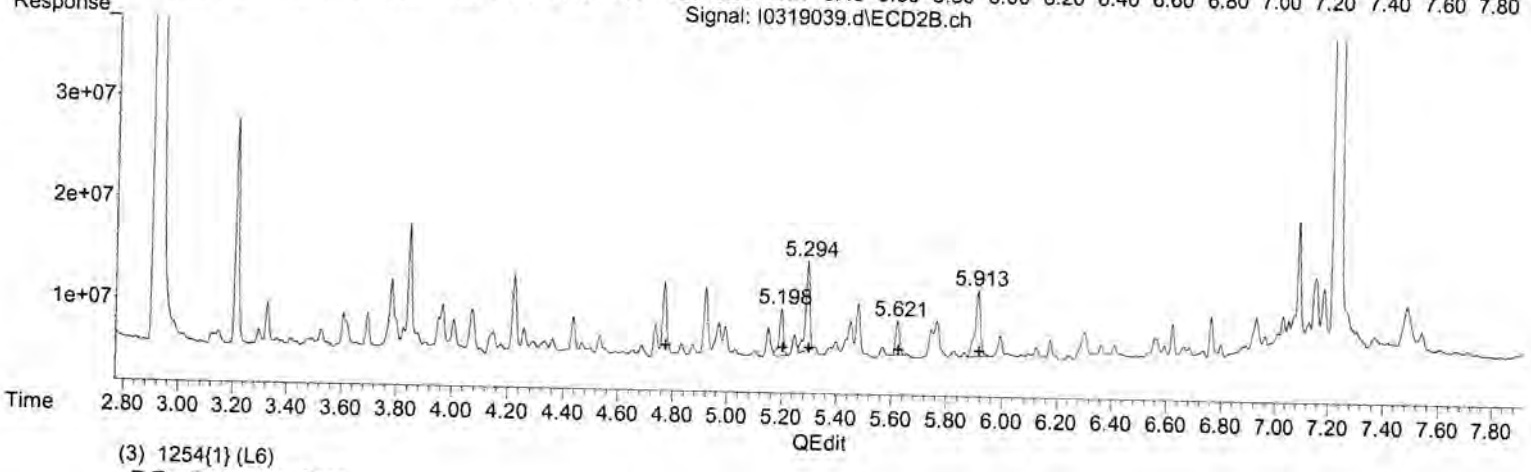
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319039.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 5:40 pm
Operator : JMB
Sample : 21C0909-10@TBA Inst : ECD 9
Misc :
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 05:38:33 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





(3) 1254{1} (L6)

R.T.	Response	Conc
0.00	0	0.00
5.20	18571439	15.78
5.30	31161410	16.42
5.53	20783556	14.30
5.91	29743061	14.82

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
0.00	0	0.00
5.20	51548513	14.26
5.29	94472435	14.90
5.62	32694636	10.39
5.91	88434771	12.91

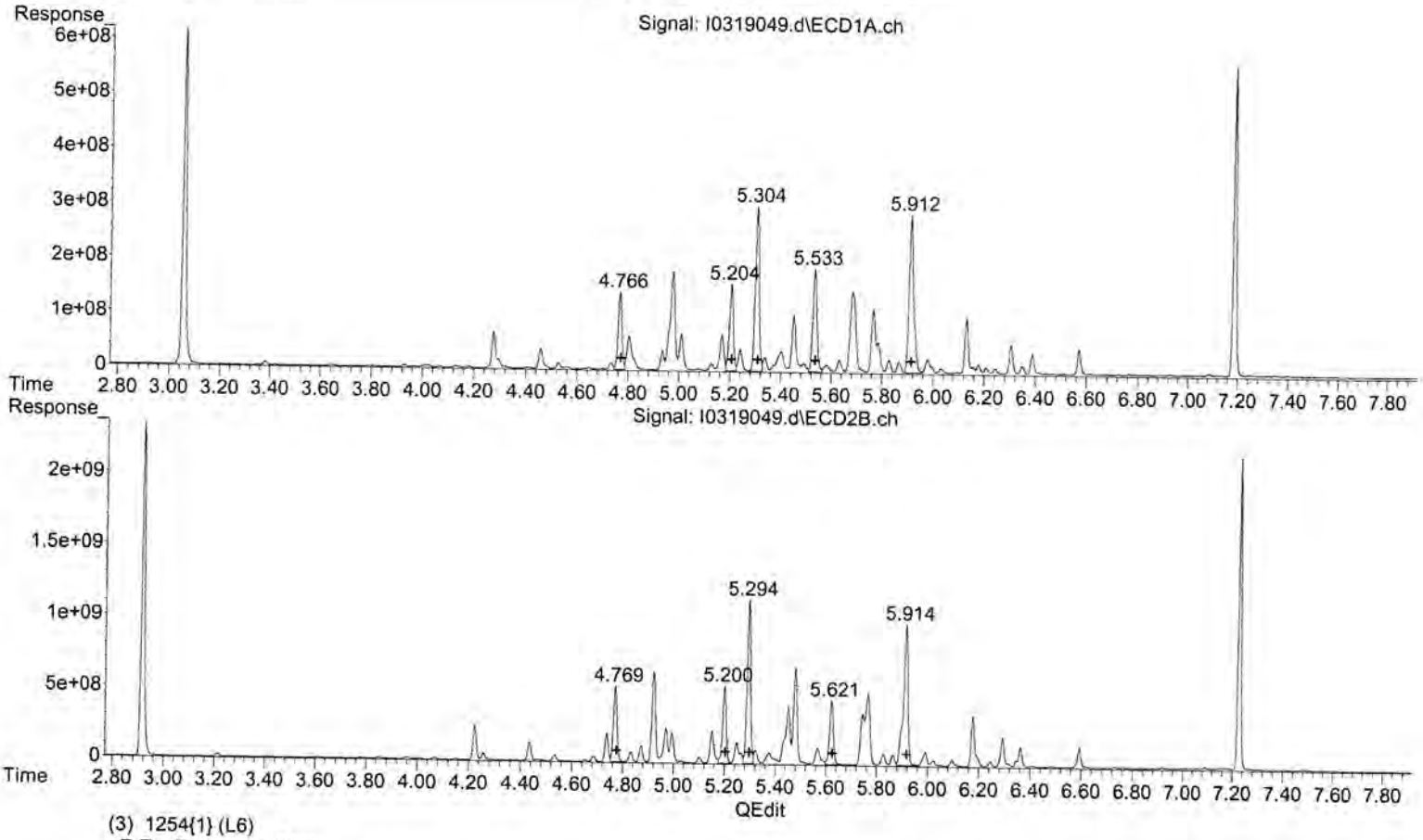
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 05:41:46 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319049.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 8:05 pm
Operator : JMB
Sample : 21C0909-11@TBA Inst : ECD 9
Misc :
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 21:24:15 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.77	1476211559	1378.41
5.21	1698997663	1443.93
5.30	3132158327	1650.24
5.53	2092346181	1439.70
5.91	3648047731	1817.37

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	5317933158	1292.47
5.20	5466631305	1511.73
5.29	11177890769	1762.75
5.62	4737095399	1505.95
5.91	12658997562	1848.29

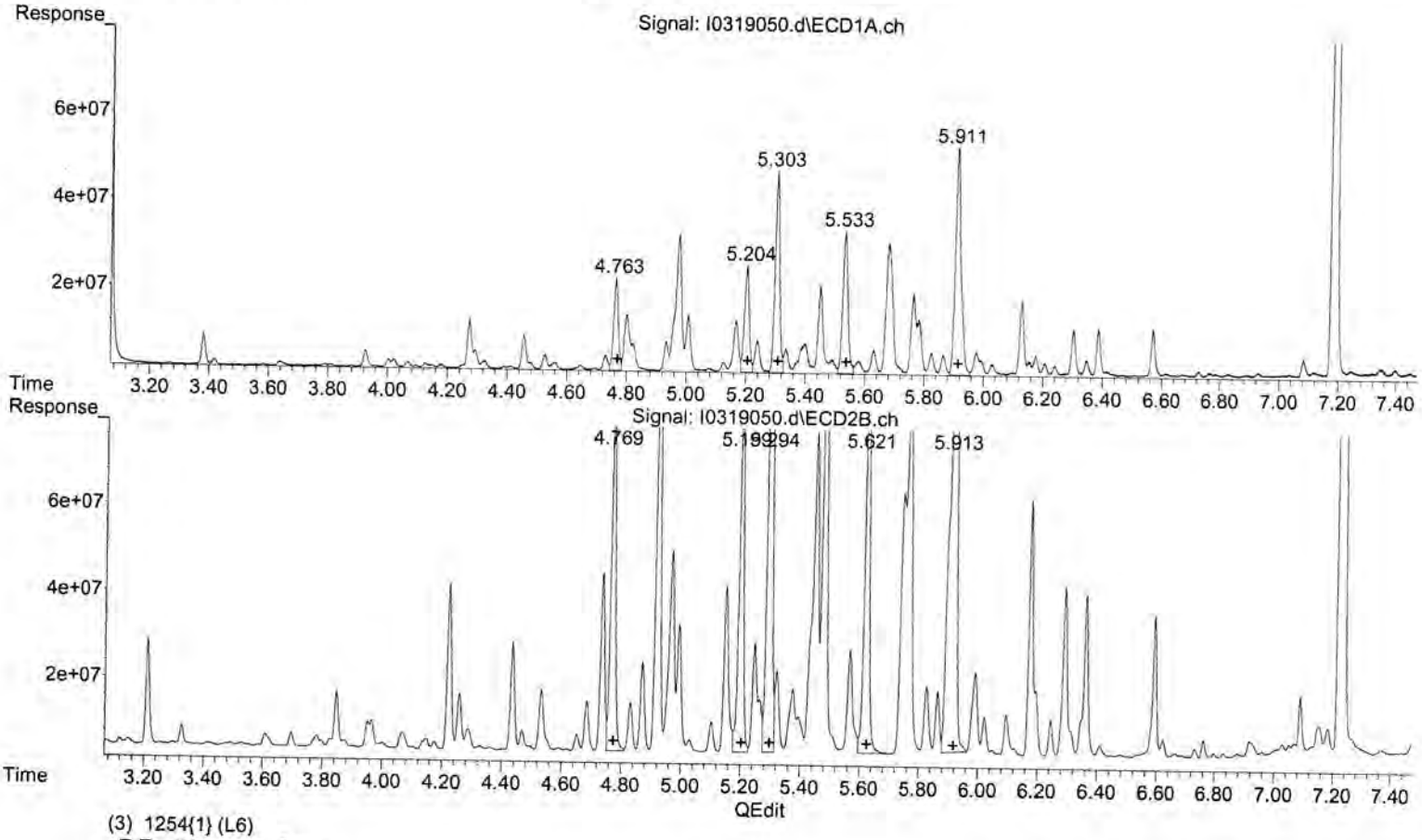
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 06:23:31 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319050.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 8:22 pm
Operator : JMB
Sample : 21C0909-12@TBA Inst : ECD 9
Misc :
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 19 21:45:32 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	224641505	209.76
5.20	276792023	235.24
5.30	499339516	263.09
5.53	397524563	273.53
5.91	710951997	354.18

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	877865010	213.36
5.20	870251011	240.66
5.29	1744212497	275.06
5.62	1047864101	333.12
5.91	2391703118	349.20

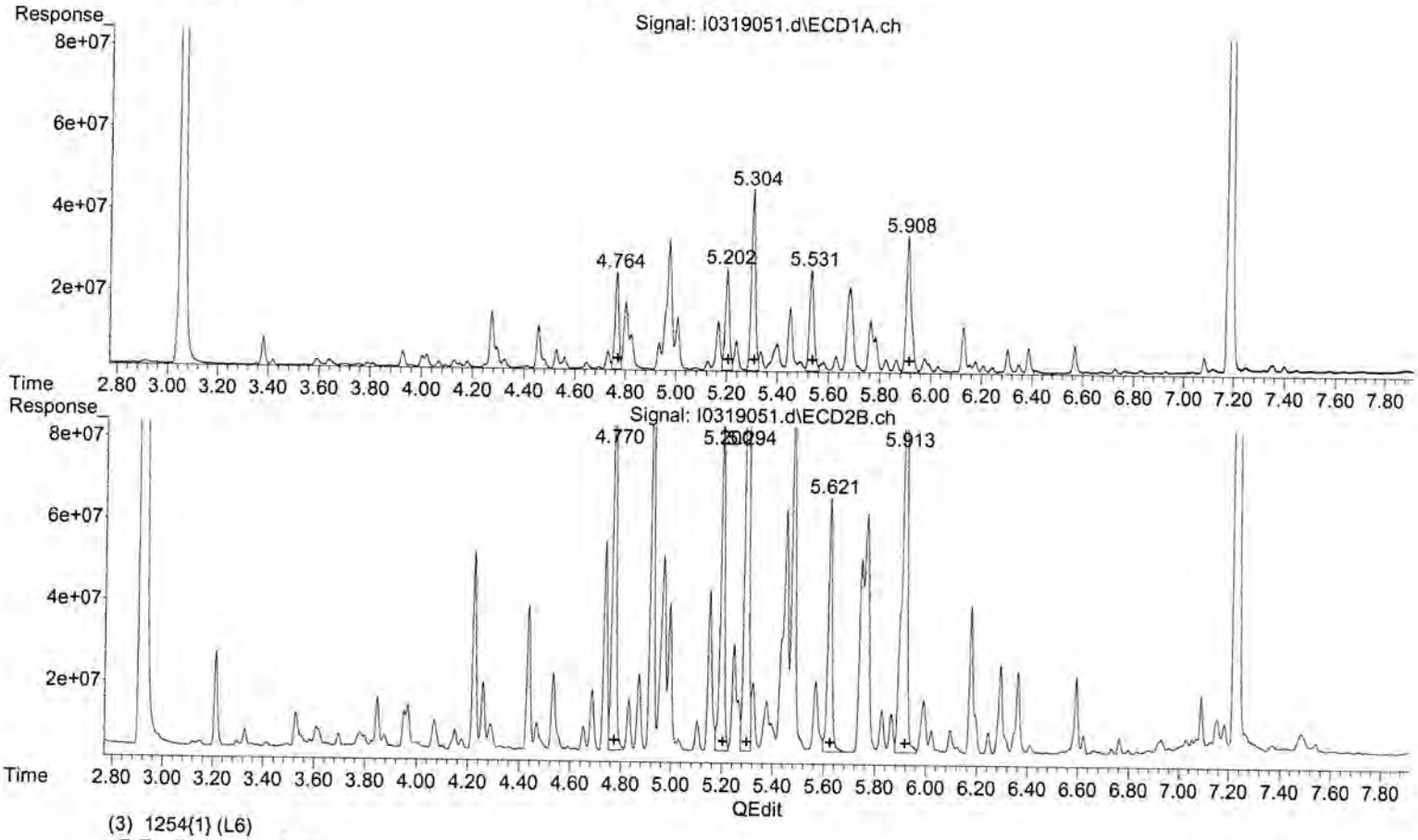
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 06:24:51 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319051.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 8:39 pm
Operator : JMB
Sample : 21C0909-13@TBA Inst : ECD 9
Misc :
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:21 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	252362927	235.64
5.20	281816226	239.51
5.30	485786518	255.95
5.53	300887496	207.03
5.91	451637124	224.99

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	1029938223	250.32
5.20	910703959	251.84
5.29	1730385429	272.88
5.62	686378433	218.20
5.91	1543874743	225.41

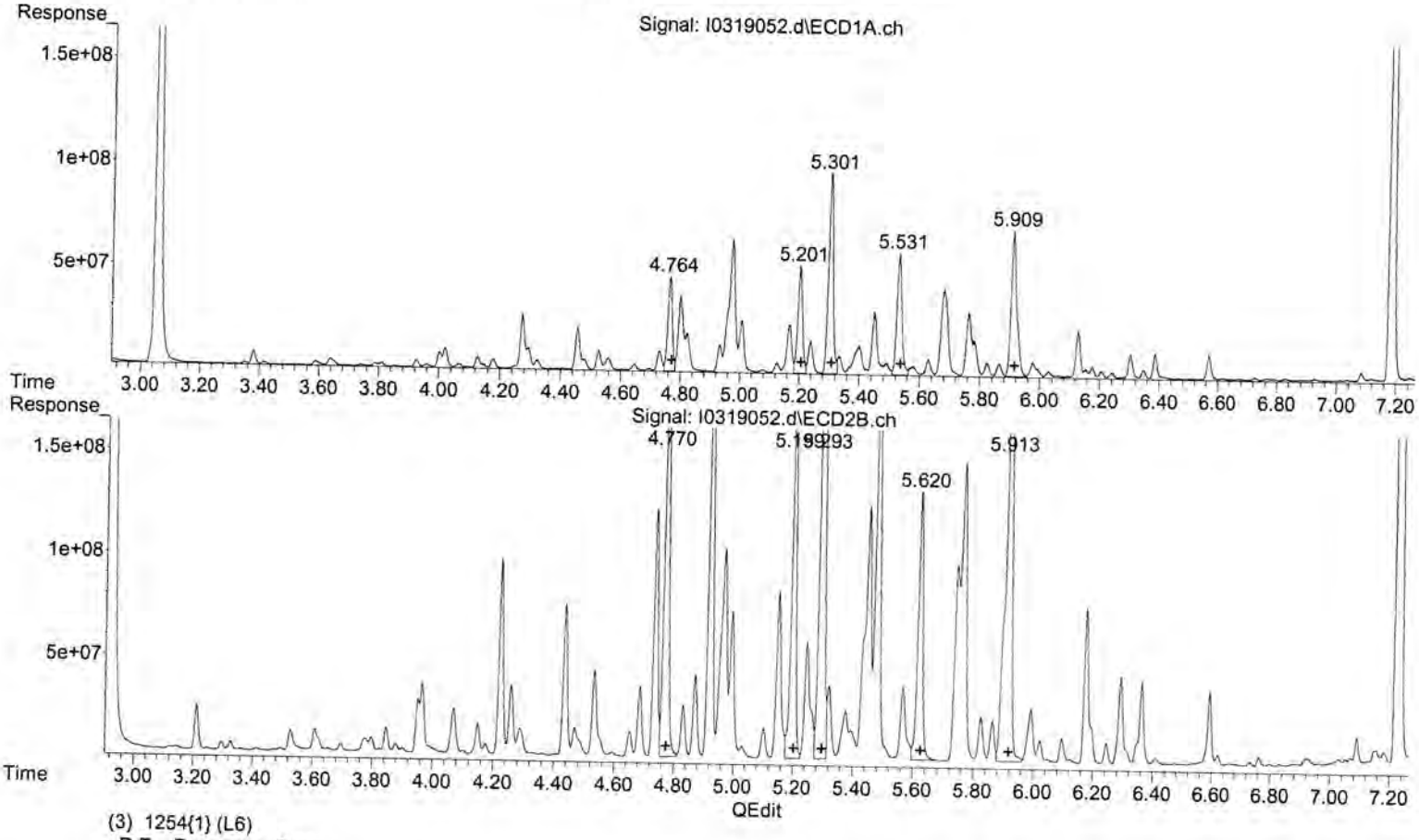
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319052.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 8:57 pm
Operator : JMB
Sample : 21C0909-14@TBA Inst : ECD 9
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:25 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	476217647	444.67
5.20	578812248	491.91
5.30	1057522724	557.18
5.53	693016678	476.85
5.91	939142013	467.86

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	2136448042	519.24
5.20	1926781006	532.83
5.29	3741556084	590.04
5.62	1420301169	451.52
5.91	3284338821	479.53

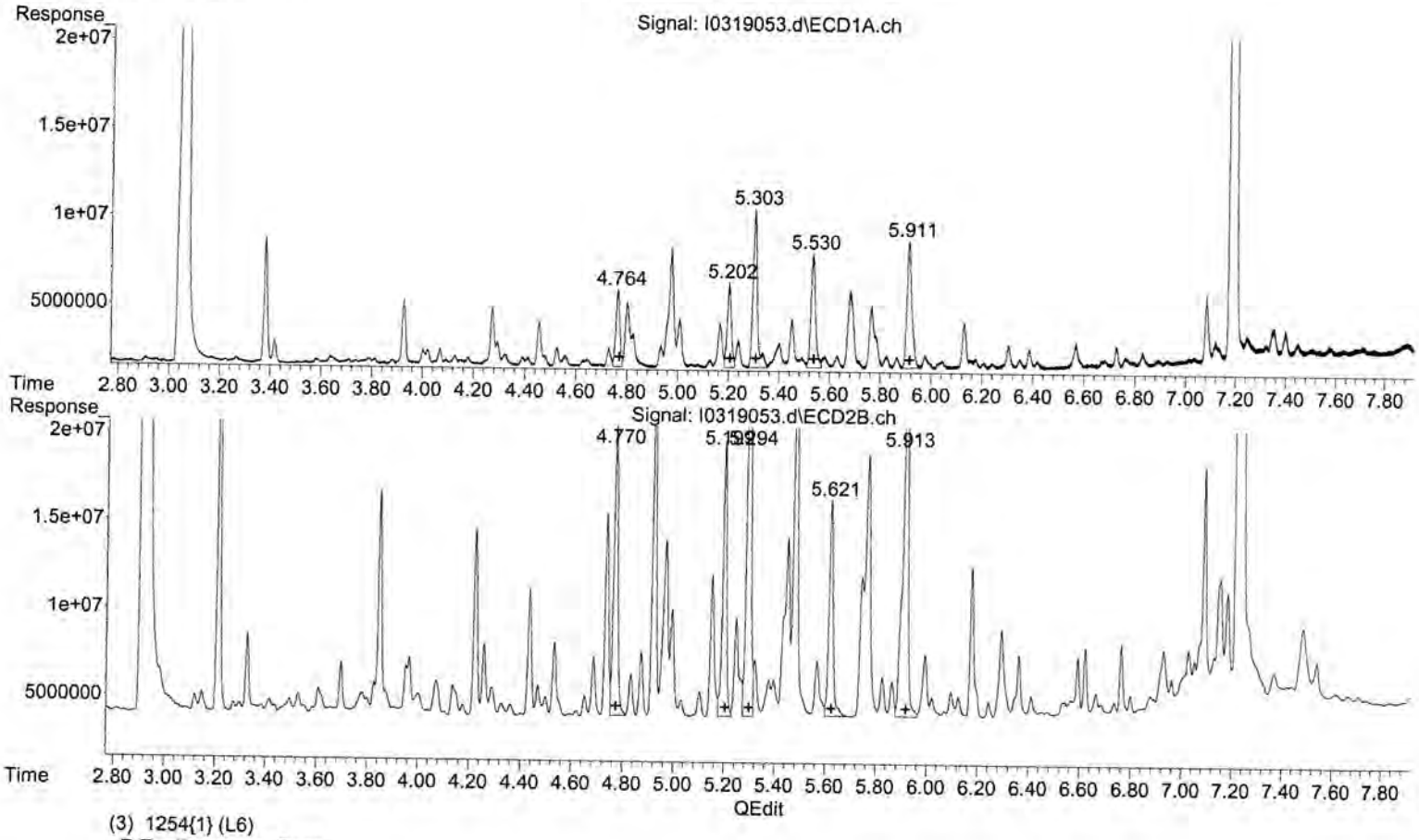
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 06:34:48 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319053.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 9:14 pm
Operator : JMB
Sample : 21C0909-15@TBA Inst : ECD 9
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:29 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	46408198	43.33
5.20	54155899	46.03
5.30	108988018	57.42
5.53	82201725	56.56
5.91	98486551	49.06

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	187482274	45.57
5.20	167878362	46.42
5.29	336266275	53.03
5.62	145205777	46.16
5.91	322395931	47.07

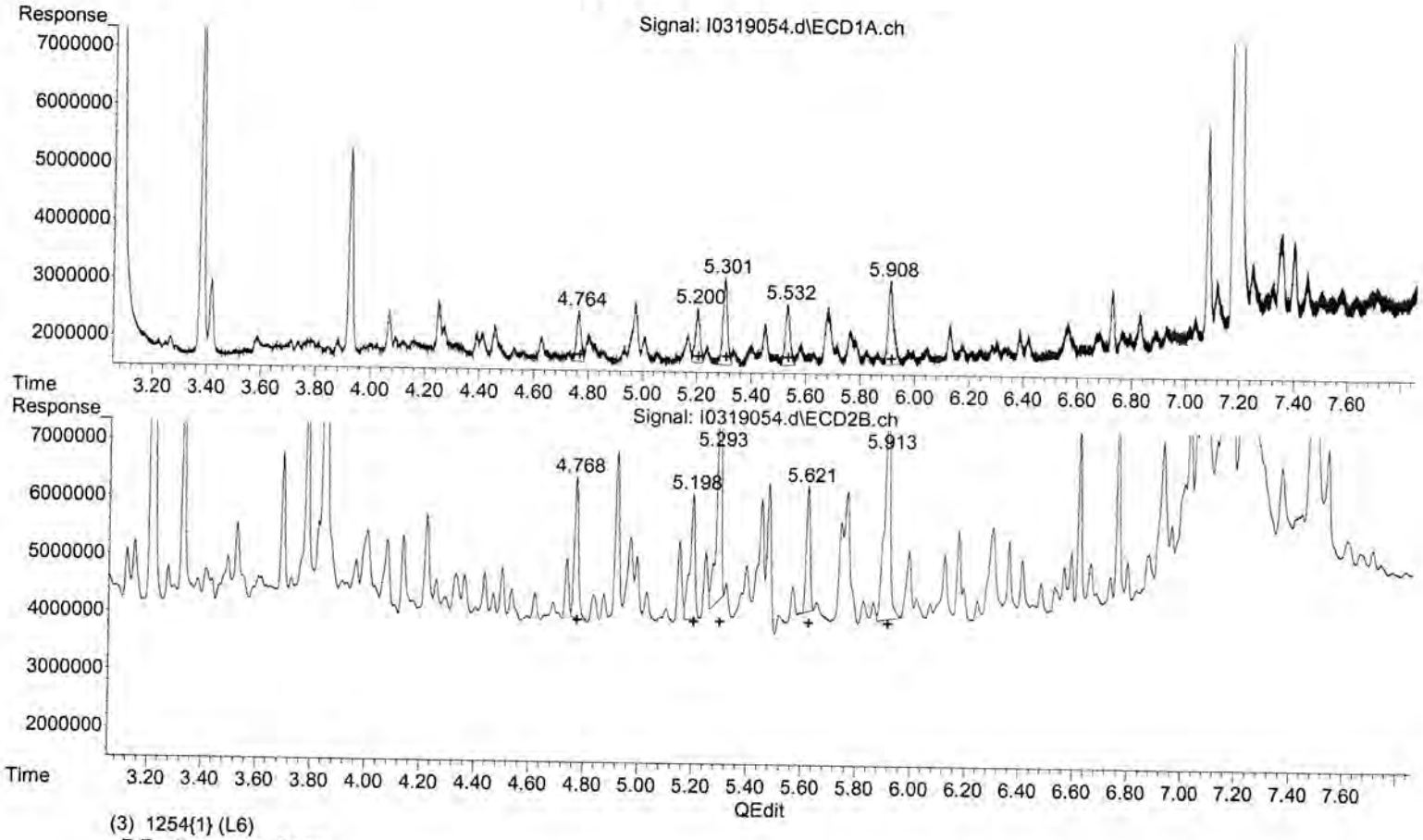
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 06:36:29 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319054.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 9:32 pm
Operator : JMB
Sample : 21C0909-16@TBA Inst : ECD 9
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:33 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	9831402	9.18
5.20	10976172	9.33
5.30	18453209	9.72
5.53	13843196	9.53
5.91	20389368	10.16

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	25647835	6.23
5.20	28374820	7.85
5.29	48473030	7.64
5.62	21407351	6.81
5.91	60076749	8.77

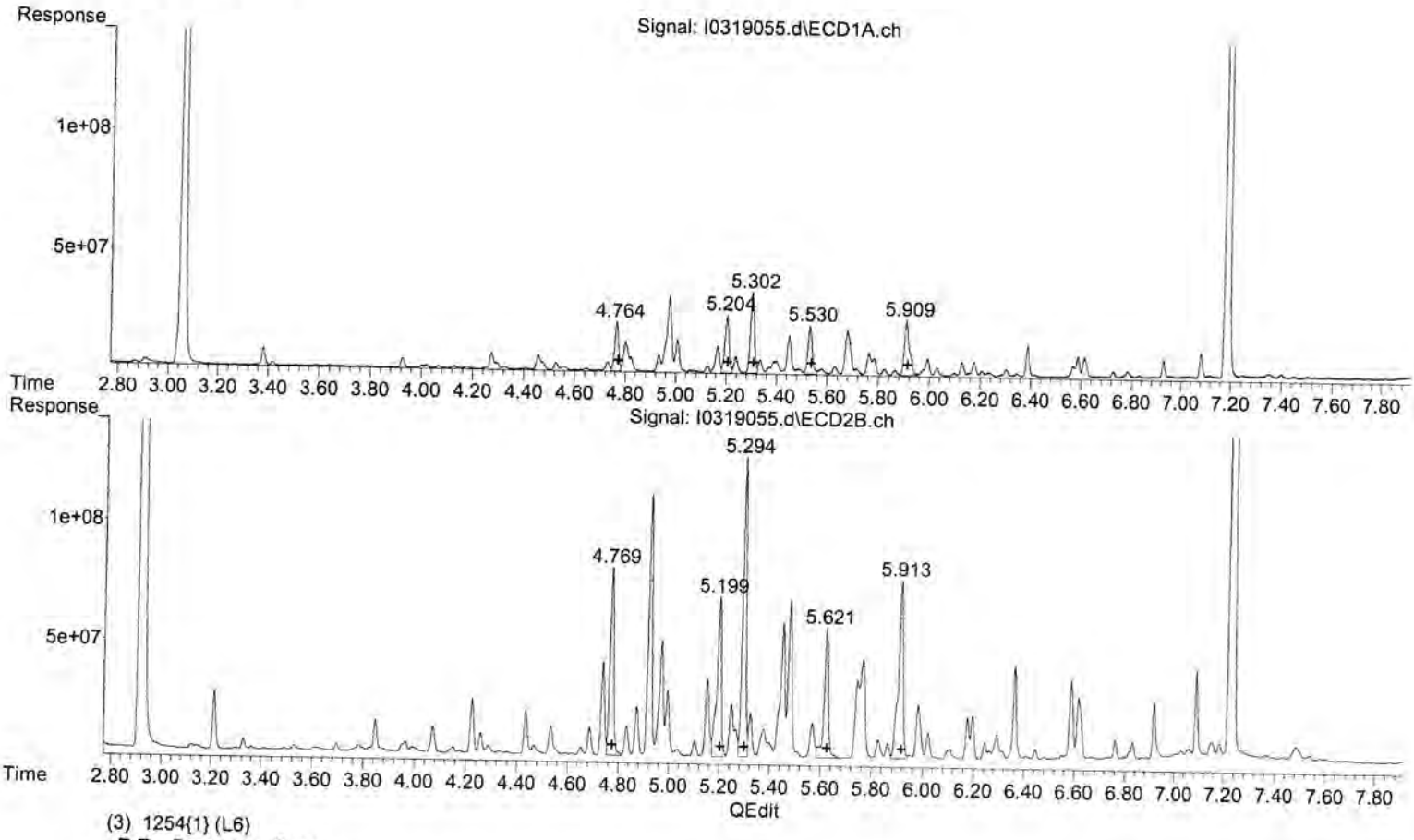
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 06:39:44 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319055.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 9:49 pm
Operator : JMB
Sample : 21C0909-17@TBA Inst : ECD 9
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:37 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	218299782	203.84
5.20	273616832	232.54
5.30	372935528	196.49
5.53	234171797	161.13
5.91	311992323	155.43

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	820583781	199.43
5.20	841502011	232.71
5.29	1228125283	193.67
5.62	633279706	201.32
5.91	976566289	142.58

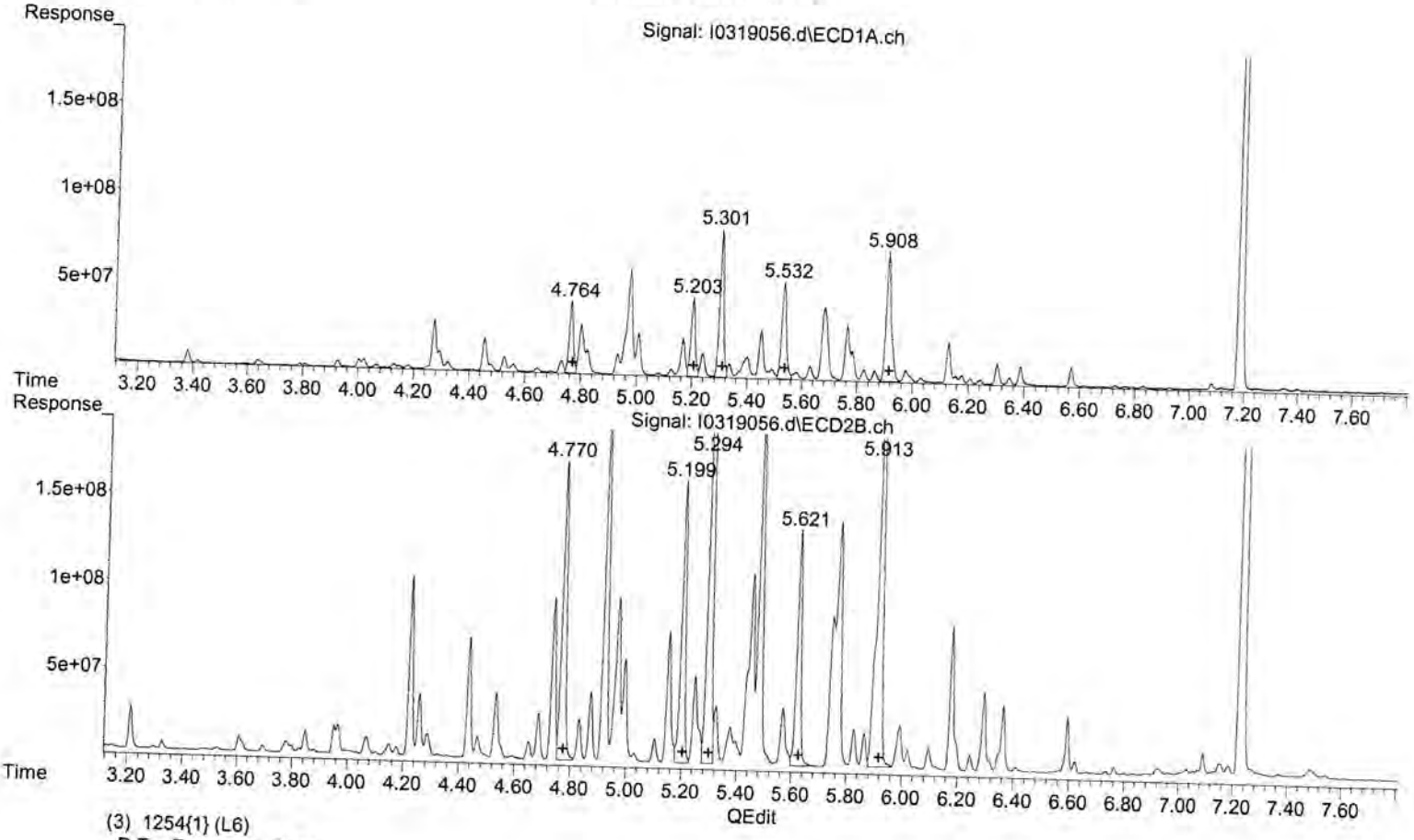
(+) = Expected Retention Time
9-1254-031121.M Sat Mar 20 06:48:37 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319056.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 10:06 pm
Operator : JMB
Sample : 21C0909-18@TBA
Misc :
Inst : ECD 9
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:41 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	433474920	404.76
5.20	490726677	417.05
5.30	903473527	476.01
5.53	657037061	452.09
5.91	963541690	480.01

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	1811690226	440.31
5.20	1640875779	453.77
5.29	3196372287	504.07
5.62	1445203284	459.44
5.91	3247629812	474.17

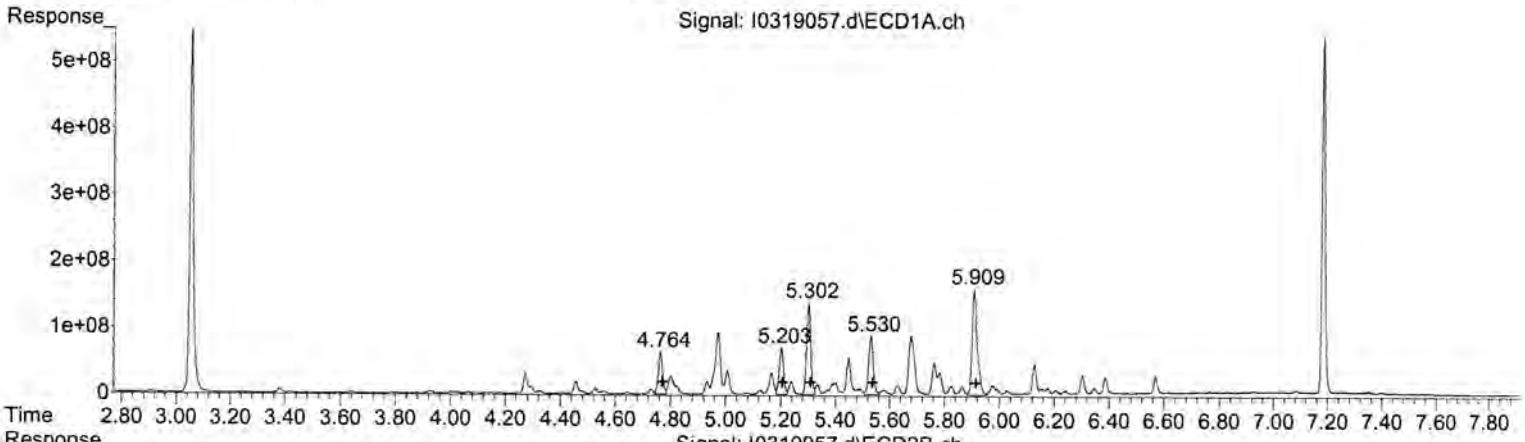
(+) = Expected Retention Time

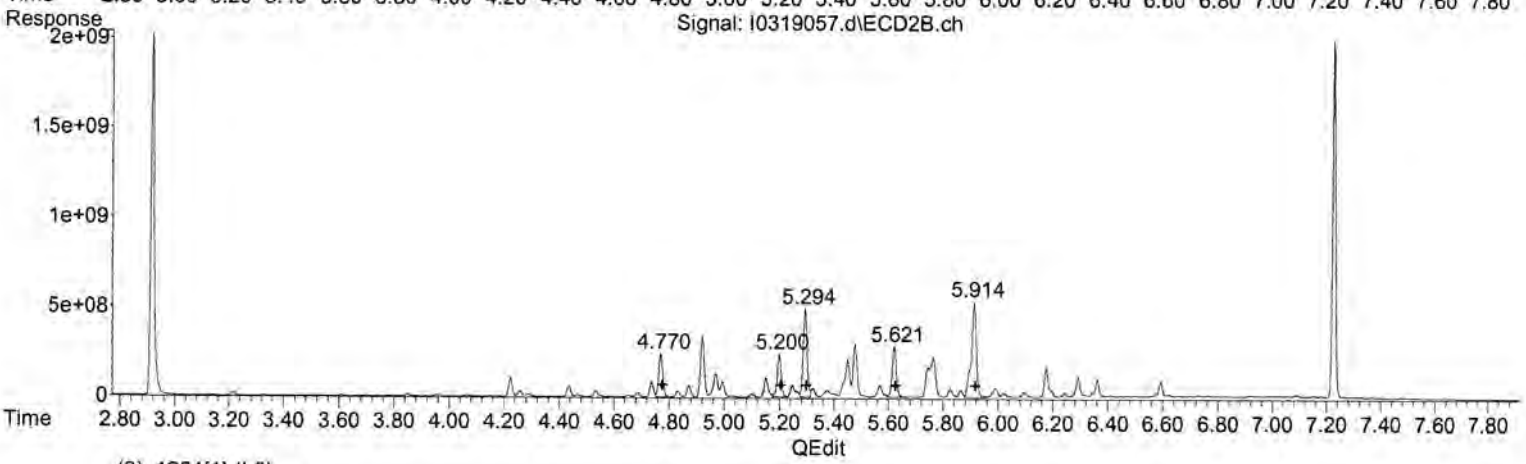
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319057.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 10:24 pm
Operator : JMB
Sample : 21C0909-19@TBA Inst : ECD 9
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:45 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	665184351	621.11
5.20	775633500	659.19
5.30	1447623457	762.71
5.53	1026133631	706.06
5.91	2069179638	1030.82

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	2493074279	605.91
5.20	2472422391	683.72
5.29	4987896844	786.59
5.62	2989052890	950.24
5.91	6973226306	1018.13

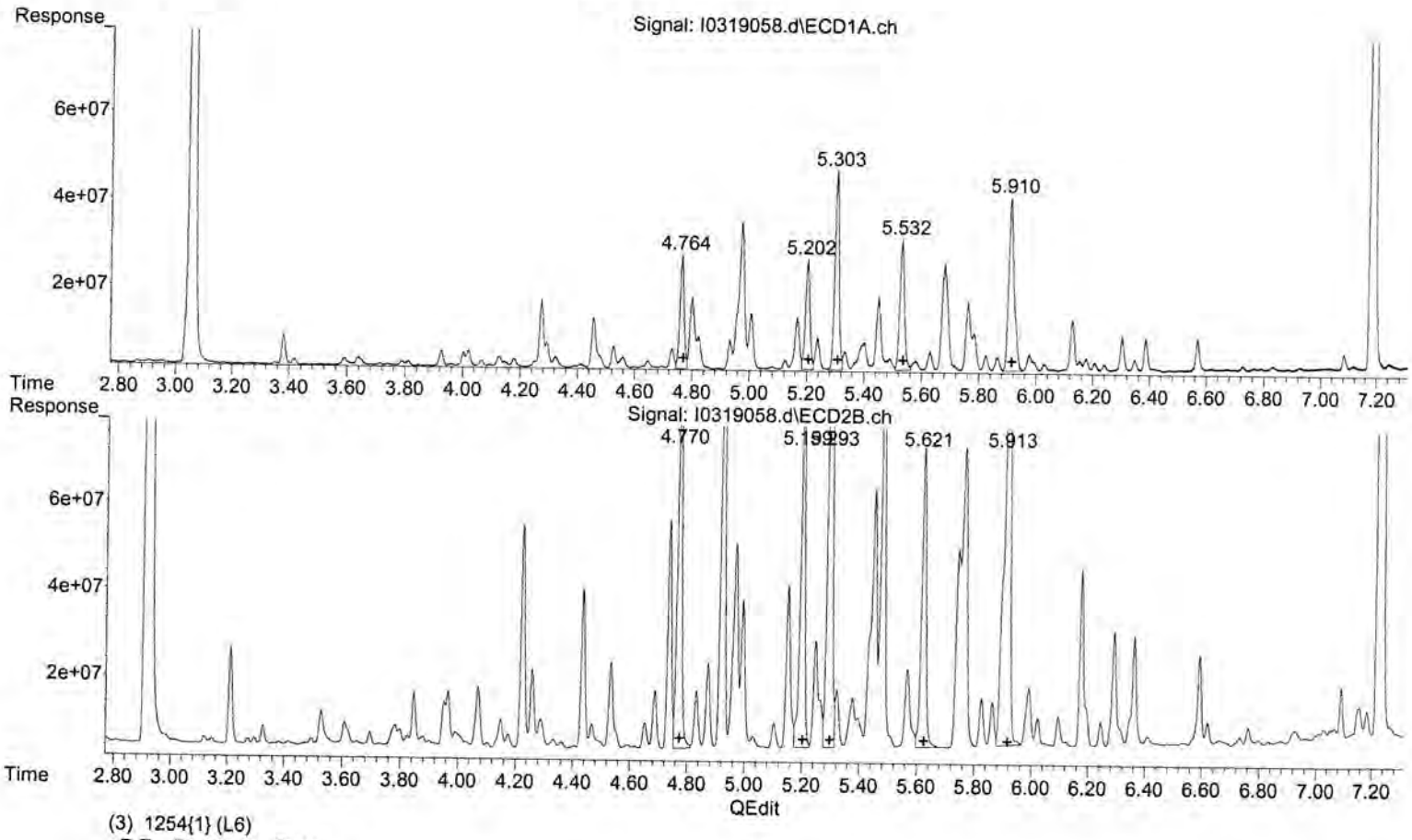
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\031921\
Data File : I0319058.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2021 10:41 pm
Operator : JMB
Sample : 21C0909-20@TBA Inst : ECD 9
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Mar 20 02:59:49 2021
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-031121.M
Quant Title : 1254 02/22/21 10/16/20 ICAL 2100053
QLast Update : Tue Feb 23 11:55:19 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) 1254{1} (L6)

R.T.	Response	Conc
4.76	268709448	250.91
5.20	274245843	233.07
5.30	479869122	252.83
5.53	343333105	236.24
5.91	531120655	264.59

(3) 1254{1} #2 (L6)

R.T.	Response	Conc
4.77	960535886	233.45
5.20	876233349	242.31
5.29	1616318355	254.89
5.62	750340514	238.54
5.91	1767831907	258.11

(+) = Expected Retention Time

Building B

Bulk and Substrate Data

con-test®
A Pace Analytical® Laboratory

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

July 29, 2021

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

Project Location: 52 Institute Rd., Burlington, VT (Bldg B)
Client Job Number:
Project Number: 280BS01563 Task 7
Laboratory Work Order Number: 21G0820

Enclosed are results of analyses for samples received by the laboratory on July 15, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kaitlyn A. Feliciano
Project Manager

Table of Contents

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: Jesse Stratton

REPORT DATE: 7/29/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Task 7

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21G0820

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

PROJECT LOCATION: 52 Institute Rd., Burlington, VT (Bldg B)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
210702.B2050.137-1332	21G0820-01	Product/Solid		SW-846 8082A	
210702.B2050.137-1333	21G0820-02	Product/Solid		SW-846 8082A	
210702.B2051.137-1334	21G0820-03	Product/Solid		SW-846 8082A	
210702.B2051.137-1335	21G0820-04	Product/Solid		SW-846 8082A	

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

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-04

Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.

Analyte & Samples(s) Qualified:

Aroclor-1248
21G0820-03[210702.B2051.137-1334], 21G0820-04[210702.B2051.137-1335]

Aroclor-1248 [2C]
21G0820-03[210702.B2051.137-1334], 21G0820-04[210702.B2051.137-1335]

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
21G0820-03[210702.B2051.137-1334], 21G0820-04[210702.B2051.137-1335]

Decachlorobiphenyl [2C]
21G0820-03[210702.B2051.137-1334], 21G0820-04[210702.B2051.137-1335]

Tetrachloro-m-xylene
21G0820-03[210702.B2051.137-1334], 21G0820-04[210702.B2051.137-1335]

Tetrachloro-m-xylene [2C]
21G0820-03[210702.B2051.137-1334], 21G0820-04[210702.B2051.137-1335]

S-02

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Analyte & Samples(s) Qualified:

Tetrachloro-m-xylene
21G0820-01[210702.B2050.137-1332]

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

con-test® A Pace Analytical® Laboratory

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

Project Location: 52 Institute Rd., Burlington, VT (Sample Description: Work Order: 21G0820

Date Received: 7/15/2021

Field Sample #: 210702.B2050.137-1332 Sampled: 7/2/2021 12:30

Sample ID: 21G0820-01

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	0.44	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 1:43	TG
Aroclor-1221 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 1:43	TG
Aroclor-1232 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 1:43	TG
Aroclor-1242 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 1:43	TG
Aroclor-1248 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 1:43	TG
Aroclor-1254 [2]	ND	0.44	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 1:43	TG
Aroclor-1260 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 1:43	TG
Aroclor-1262 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 1:43	TG
Aroclor-1268 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 1:43	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.2	30-150		7/29/21 1:43
Decachlorobiphenyl [2]	79.0	30-150		7/29/21 1:43
Tetrachloro-m-xylene [1]	**162** *	30-150	S-02	7/29/21 1:43
Tetrachloro-m-xylene [2]	96.7	30-150		7/29/21 1:43

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Project Location: 52 Institute Rd., Burlington, VT (Sample Description: Work Order: 21G0820

Date Received: 7/15/2021

Field Sample #: 210702.B2050.137-1333 Sampled: 7/2/2021 12:45

Sample ID: 21G0820-02

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	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 2:00	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 2:00	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 2:00	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 2:00	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 2:00	TG
Aroclor-1254 [1]	2.2	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 2:00	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 2:00	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 2:00	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 2:00	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.6	30-150		7/29/21 2:00
Decachlorobiphenyl [2]	77.5	30-150		7/29/21 2:00
Tetrachloro-m-xylene [1]	94.9	30-150		7/29/21 2:00
Tetrachloro-m-xylene [2]	98.2	30-150		7/29/21 2:00

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Project Location: 52 Institute Rd., Burlington, VT (Sample Description: Work Order: 21G0820

Date Received: 7/15/2021

Field Sample #: 210702.B2051.137-1334 Sampled: 7/2/2021 16:15

Sample ID: 21G0820-03

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	9.9	mg/Kg	100		SW-846 8082A	7/16/21	7/29/21 2:18	TG
Aroclor-1221 [1]	ND	9.9	mg/Kg	100		SW-846 8082A	7/16/21	7/29/21 2:18	TG
Aroclor-1232 [1]	ND	9.9	mg/Kg	100		SW-846 8082A	7/16/21	7/29/21 2:18	TG
Aroclor-1242 [1]	ND	9.9	mg/Kg	100		SW-846 8082A	7/16/21	7/29/21 2:18	TG
Aroclor-1248 [1]	48	9.9	mg/Kg	100	O-04	SW-846 8082A	7/16/21	7/29/21 2:18	TG
Aroclor-1254 [1]	ND	9.9	mg/Kg	100		SW-846 8082A	7/16/21	7/29/21 2:18	TG
Aroclor-1260 [1]	ND	9.9	mg/Kg	100		SW-846 8082A	7/16/21	7/29/21 2:18	TG
Aroclor-1262 [1]	ND	9.9	mg/Kg	100		SW-846 8082A	7/16/21	7/29/21 2:18	TG
Aroclor-1268 [1]	ND	9.9	mg/Kg	100		SW-846 8082A	7/16/21	7/29/21 2:18	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	7/29/21 2:18
Decachlorobiphenyl [2]	*	30-150	S-01	7/29/21 2:18
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/29/21 2:18
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/29/21 2:18

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Project Location: 52 Institute Rd., Burlington, VT (Sample Description: Work Order: 21G0820

Date Received: 7/15/2021

Field Sample #: 210702.B2051.137-1335 Sampled: 7/2/2021 16:20

Sample ID: 21G0820-04

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	9.9	mg/Kg	100		SW-846 8082A	7/16/21	7/29/21 2:36	TG
Aroclor-1221 [1]	ND	9.9	mg/Kg	100		SW-846 8082A	7/16/21	7/29/21 2:36	TG
Aroclor-1232 [1]	ND	9.9	mg/Kg	100		SW-846 8082A	7/16/21	7/29/21 2:36	TG
Aroclor-1242 [1]	ND	9.9	mg/Kg	100		SW-846 8082A	7/16/21	7/29/21 2:36	TG
Aroclor-1248 [1]	58	9.9	mg/Kg	100	O-04	SW-846 8082A	7/16/21	7/29/21 2:36	TG
Aroclor-1254 [1]	ND	9.9	mg/Kg	100		SW-846 8082A	7/16/21	7/29/21 2:36	TG
Aroclor-1260 [1]	ND	9.9	mg/Kg	100		SW-846 8082A	7/16/21	7/29/21 2:36	TG
Aroclor-1262 [1]	ND	9.9	mg/Kg	100		SW-846 8082A	7/16/21	7/29/21 2:36	TG
Aroclor-1268 [1]	ND	9.9	mg/Kg	100		SW-846 8082A	7/16/21	7/29/21 2:36	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	7/29/21 2:36
Decachlorobiphenyl [2]	*	30-150	S-01	7/29/21 2:36
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/29/21 2:36
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/29/21 2:36

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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
21G0820-01 [210702.B2050.137-1332]	B286167	0.450	2.00	07/16/21
21G0820-02 [210702.B2050.137-1333]	B286167	2.02	10.0	07/16/21
21G0820-03 [210702.B2051.137-1334]	B286167	2.03	10.0	07/16/21
21G0820-04 [210702.B2051.137-1335]	B286167	2.02	10.0	07/16/21

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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 B286167 - SW-846 3540C										
Blank (B286167-BLK1)				Prepared: 07/16/21 Analyzed: 07/28/21						
Aroclor-1016	ND	0.097	mg/Kg							
Aroclor-1016 [2C]	ND	0.097	mg/Kg							
Aroclor-1221	ND	0.097	mg/Kg							
Aroclor-1221 [2C]	ND	0.097	mg/Kg							
Aroclor-1232	ND	0.097	mg/Kg							
Aroclor-1232 [2C]	ND	0.097	mg/Kg							
Aroclor-1242	ND	0.097	mg/Kg							
Aroclor-1242 [2C]	ND	0.097	mg/Kg							
Aroclor-1248	ND	0.097	mg/Kg							
Aroclor-1248 [2C]	ND	0.097	mg/Kg							
Aroclor-1254	ND	0.097	mg/Kg							
Aroclor-1254 [2C]	ND	0.097	mg/Kg							
Aroclor-1260	ND	0.097	mg/Kg							
Aroclor-1260 [2C]	ND	0.097	mg/Kg							
Aroclor-1262	ND	0.097	mg/Kg							
Aroclor-1262 [2C]	ND	0.097	mg/Kg							
Aroclor-1268	ND	0.097	mg/Kg							
Aroclor-1268 [2C]	ND	0.097	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.858*		mg/Kg	0.971		88.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.832*		mg/Kg	0.971		85.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.815*		mg/Kg	0.971		83.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.839*		mg/Kg	0.971		86.4	30-150			
LCS (B286167-BS1)				Prepared: 07/16/21 Analyzed: 07/28/21						
Aroclor-1016	0.84	0.098	mg/Kg	0.976		85.6	40-140			
Aroclor-1016 [2C]	0.82	0.098	mg/Kg	0.976		84.2	40-140			
Aroclor-1260	0.72	0.098	mg/Kg	0.976		73.3	40-140			
Aroclor-1260 [2C]	0.71	0.098	mg/Kg	0.976		72.3	40-140			
Surrogate: Decachlorobiphenyl	*0.819*		mg/Kg	0.976		84.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.793*		mg/Kg	0.976		81.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.818*		mg/Kg	0.976		83.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.843*		mg/Kg	0.976		86.4	30-150			
LCS Dup (B286167-BSD1)				Prepared: 07/16/21 Analyzed: 07/28/21						
Aroclor-1016	0.81	0.099	mg/Kg	0.990		81.5	40-140	3.54	30	
Aroclor-1016 [2C]	0.78	0.099	mg/Kg	0.990		78.9	40-140	5.06	30	
Aroclor-1260	0.65	0.099	mg/Kg	0.990		66.0	40-140	9.08	30	
Aroclor-1260 [2C]	0.65	0.099	mg/Kg	0.990		66.0	40-140	7.60	30	
Surrogate: Decachlorobiphenyl	*0.736*		mg/Kg	0.990		74.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.715*		mg/Kg	0.990		72.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.780*		mg/Kg	0.990		78.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.799*		mg/Kg	0.990		80.7	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210702.B2050.137-1333

Lab Sample ID: 21G0820-02 Date(s) Analyzed: 07/29/2021 07/29/2021

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-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

210702.B2051.137-1334

Lab Sample ID: 21G0820-03

Date(s) Analyzed: 07/29/2021 07/29/2021

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	48	
	2	0.000	0.000	0.000	45	6.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210702.B2051.137-1335

Lab Sample ID: 21G0820-04 Date(s) Analyzed: 07/29/2021 07/29/2021

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	58	
	2	0.000	0.000	0.000	54	7.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B286167-BS1 Date(s) Analyzed: 07/28/2021 07/28/2021

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	0.84	
	2	0.000	0.000	0.000	0.82	2.4
Aroclor-1260	1	0.000	0.000	0.000	0.72	
	2	0.000	0.000	0.000	0.71	1.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B286167-BSD1 Date(s) Analyzed: 07/28/2021 07/28/2021

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	0.81	
	2	0.000	0.000	0.000	0.78	3.8
Aroclor-1260	1	0.000	0.000	0.000	0.65	
	2	0.000	0.000	0.000	0.65	0.0

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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.
O-04	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
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-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

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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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
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	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
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	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

21-0820

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Doc # 381 Rev 2_06262019

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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980

Project Name:
Project Location: 52 Institue Road, Burlington, Vermont
Project Number: 280BS01563
Project Manager: Andra Liberty
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: J. Adams, K. Paritz

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

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	EPA Method 3500B/3540C (Soxhlet Region 1) for extractio	EPA Method 8082
1	210702.B2050.137-1332	7/2/21	12:30	Grab	O	U		1				✓	✓
2	210702.B2050.137-1333	7/2/21	12:45	Grab	O	U		1				✓	✓
3	210702.B2051.137-1334	7/2/21	16:15	Grab	O	U		1				✓	✓
4	210702.B2051.137-1335	7/2/21	16:20	Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS 4
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)

Relinquished by: (signature)	Date/Time:	Received by: (signature)	Date/Time:
	7/14/21/1345		7/14/21 1345
Relinquished by: (signature)	Date/Time:	Received by: (signature)	Date/Time:
	7/15 16:25		7/15/21 1625
Relinquished by: (signature)	Date/Time:	Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:	Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

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

con-test® ANALYTICAL LABORATORY

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 7/15/24 Time 1625

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

Direct from Sampling _____ Ambient _____ Melted Ice _____

By Gun # 5 Actual Temp - 2.0

Were samples within Temperature? 2-6°C T 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	4
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:

PREPARATION BENCH SHEET

Printed: 7/16/2021 12:33:12PM

Analysis
8082 Soxhlet

B286167

t, a Pace Analytical Laboratory

7/1/L

pared using: SW-846 3540C

Surrogate Solution
2107069 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

TG 7/29/21

(* change for 21G0816-02)

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B286167-BLK1	Blank			AAM 7/22/21		~~10.0~~ 2.06 G	G G 10		1000		
B286167-BS1	LCS					~~10.0~~ 2.05 G	G G	1000	1000		
B286167-BSD1	LCS Dup					~~10.0~~ 2.02 G	G G	1000	1000		
B286167-MS1	Matrix Spike [21G0816-01] *			AAM 7/22/21		2.03		1000	1000		
B286167-MSD1	Matrix Spike Dup [21G0816-01] *					2.09		1000	1000		
21G0816-01	210712.E2050.138-1342 3A	07/29/21	07/26/21			2.01			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0816-02	210712.E2050.138-1343	07/29/21	07/26/21			2.02			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0816-03	210702.E2051.138-1344	07/29/21	07/16/21			0.20	1.0		~~1000~~ 160	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0816-04	210702.E2051.138-1345	07/29/21	07/16/21			0.46	2.0		~~1000~~ 200	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0817-01	210712.F2050.138-1346	07/29/21	07/26/21			2.07	10		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0817-02	210712.F2050.138-1347	07/29/21	07/26/21			2.09			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0818-01	210223.D2050.137-1340	07/29/21	03/09/21			2.03			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0818-02	210223.D2050.137-1341	07/29/21	03/09/21			1.26	5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0819-01	210702.C2050.137-1336	07/29/21	07/16/21	AAM 7/22/21		1.67	~~T~~ 5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10

(*) GG KMC (Wit) 7/16/2021
Checked/Witnessed By Date

GGG 07/16/2021
Extracted By Date

Loaded 071821 #4 TG
Prepped 071821 TR

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B286167

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 7/16/2021 12:33:12PM

Surrogate Solution
2107069 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
21G0819-02	210702.C2050.137-1337	07/29/21	07/16/21	AAM 7/22/21		1.35	~~10~~ 5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0819-03	210702.C2051.137-1338	07/29/21	07/16/21			0.50	2.0		~~1000~~ 200	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0819-04	210702.C2051.137-1339	07/29/21	07/16/21			1.00	5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-01	210702.B2050.137-1332	07/29/21	07/16/21			0.45	2.0		~~1000~~ 200	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-02	210702.B2050.137-1333	07/29/21	07/16/21			2.02	10		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-03	210702.B2051.137-1334	07/29/21	07/16/21			2.03	"		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-04	210702.B2051.137-1335	07/29/21	07/16/21			2.02	"		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0821-01	210702.A2050.137-1330	07/29/21	07/16/21			0.09	1.0		~~1000~~ 100	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0821-02	210702.A2050.137-1331	07/29/21	03/10/21			1.72	5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10

kedby/Witnessed By Date

Extracted By Date

LMNT\Print\bch_DEF_EXT_TAT.rpt

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B286167

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 7/16/2021 12:33:12PM

Surrogate Solution
2107069 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Start Date/Time:
Stop Date/Time:
SPK: QAU
Start Date/Time 07/16/21 @ 16:12
WIT: PTK
StopDate/Time 7/17/21 ~~17~~ 12:10

Standard ID#	Description	Manufacture Lot#
2105200	Hexanes 95%	207414
2106532	Sodium Sulfate (Drum 45.5kg)	0000282237
2106615	Acetone	210382
2107002	Distilled Solvent Hexanes:Acetone	2:1 Hexanes:Ace
2107003	Distilled Solvent - MeCl2	DCM/ACE
2107023	Filter Paper (Fisher) 15.0cm	17275732

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kedby/Witnessed By Date

Extracted By Date

ELMNT\Print\bch_DEF_EXT_TAT.rpt

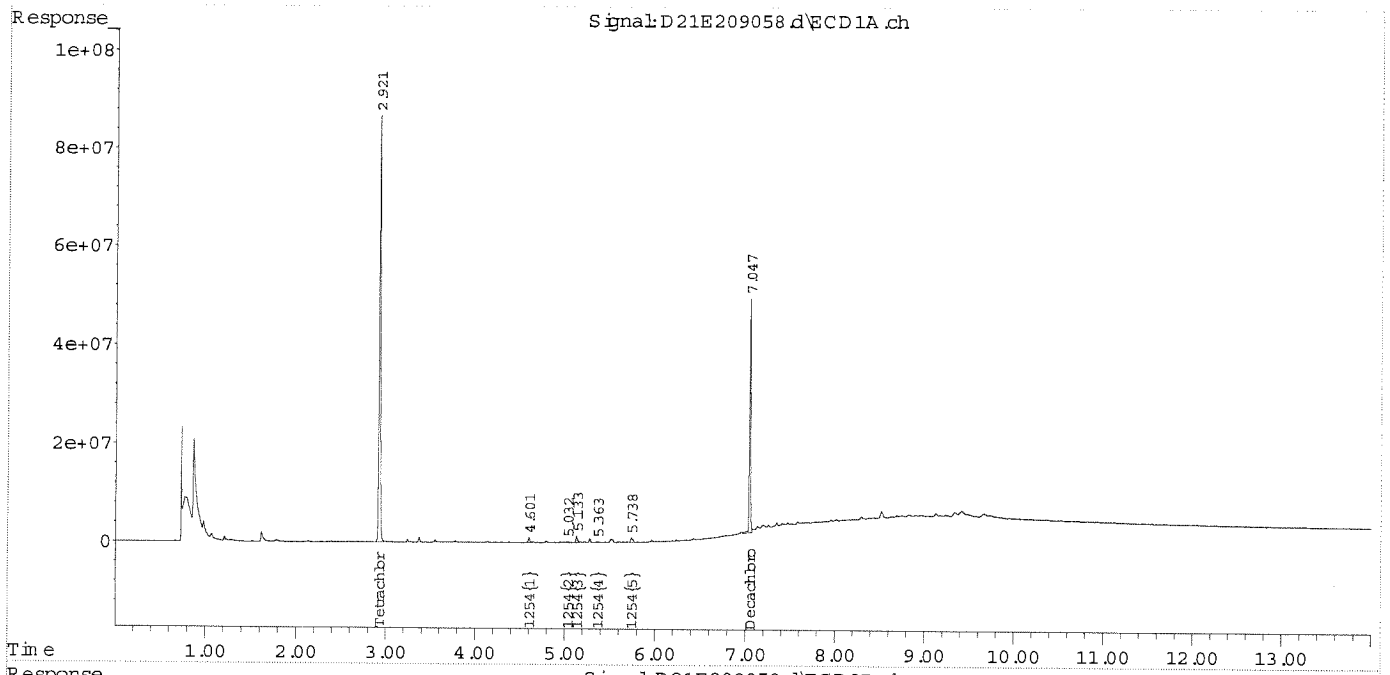
Table of Contents

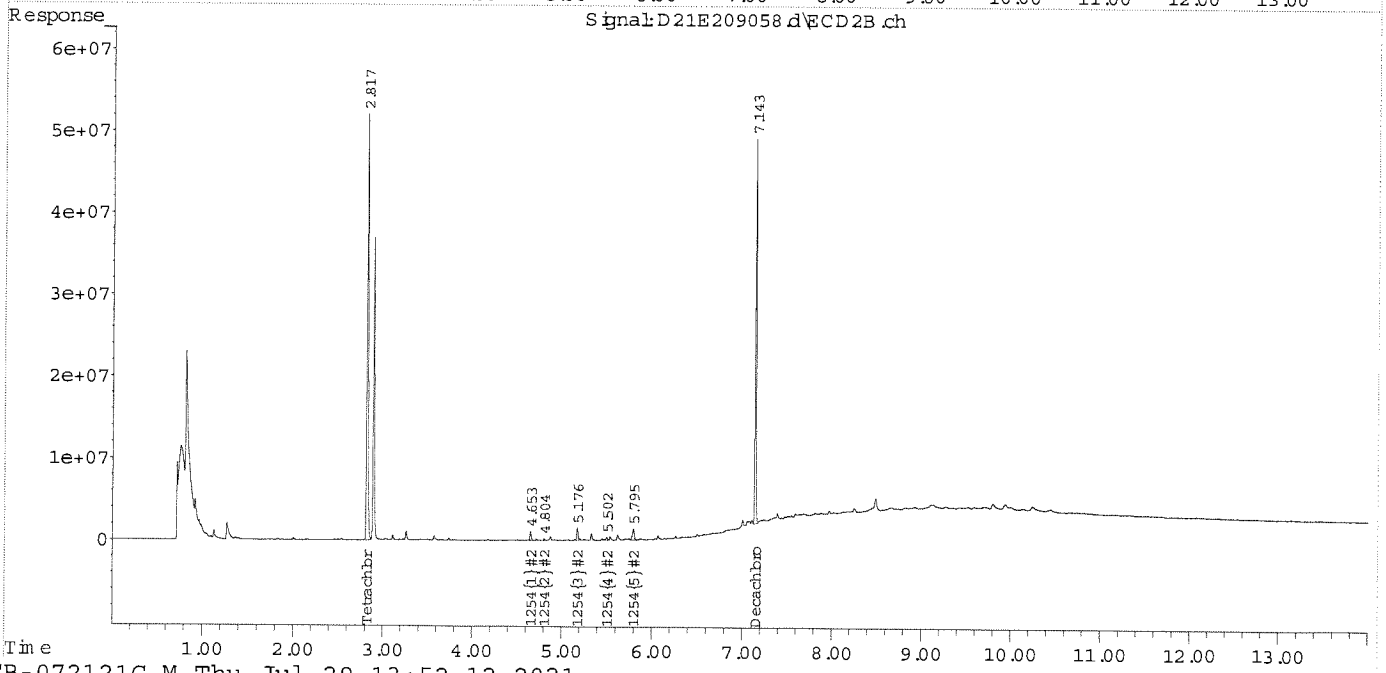
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209058.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2021 1:43 am
Operator : JMB
Sample : 21G0820-01@5X TBA Inst : ECD 4
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 10:19:20 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCBLONG.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



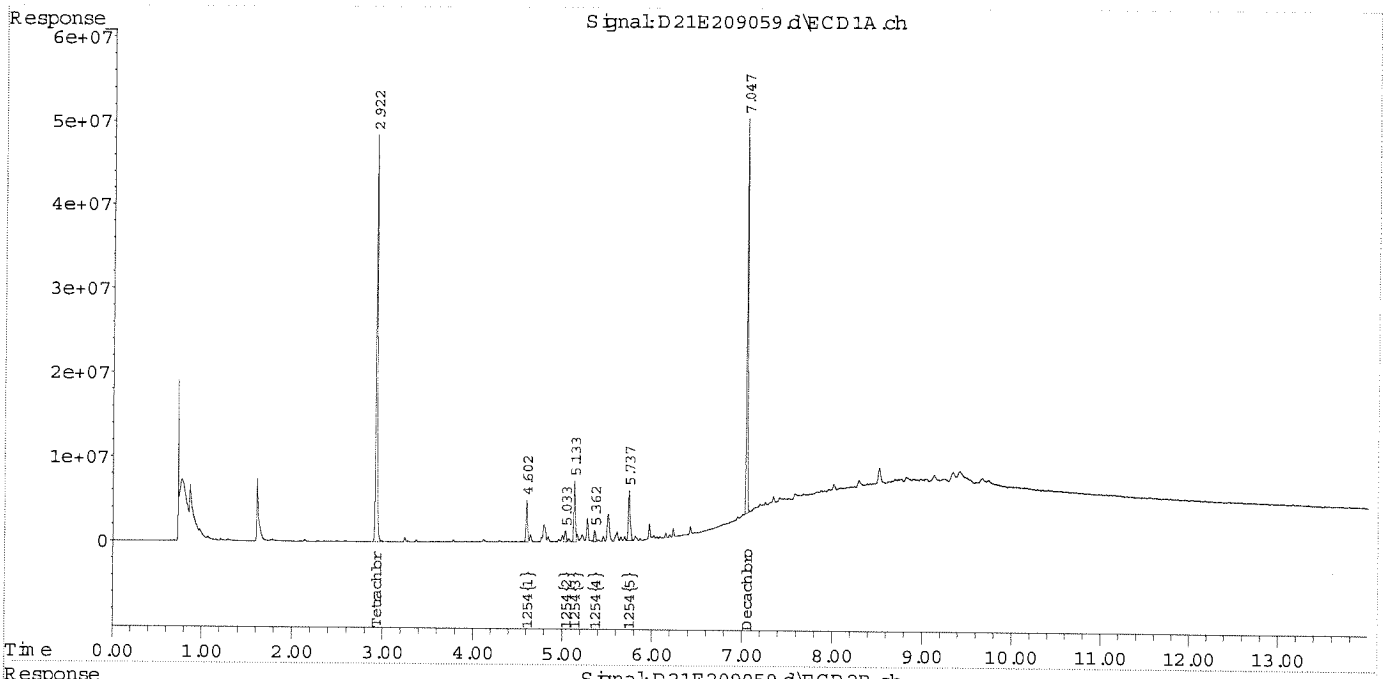


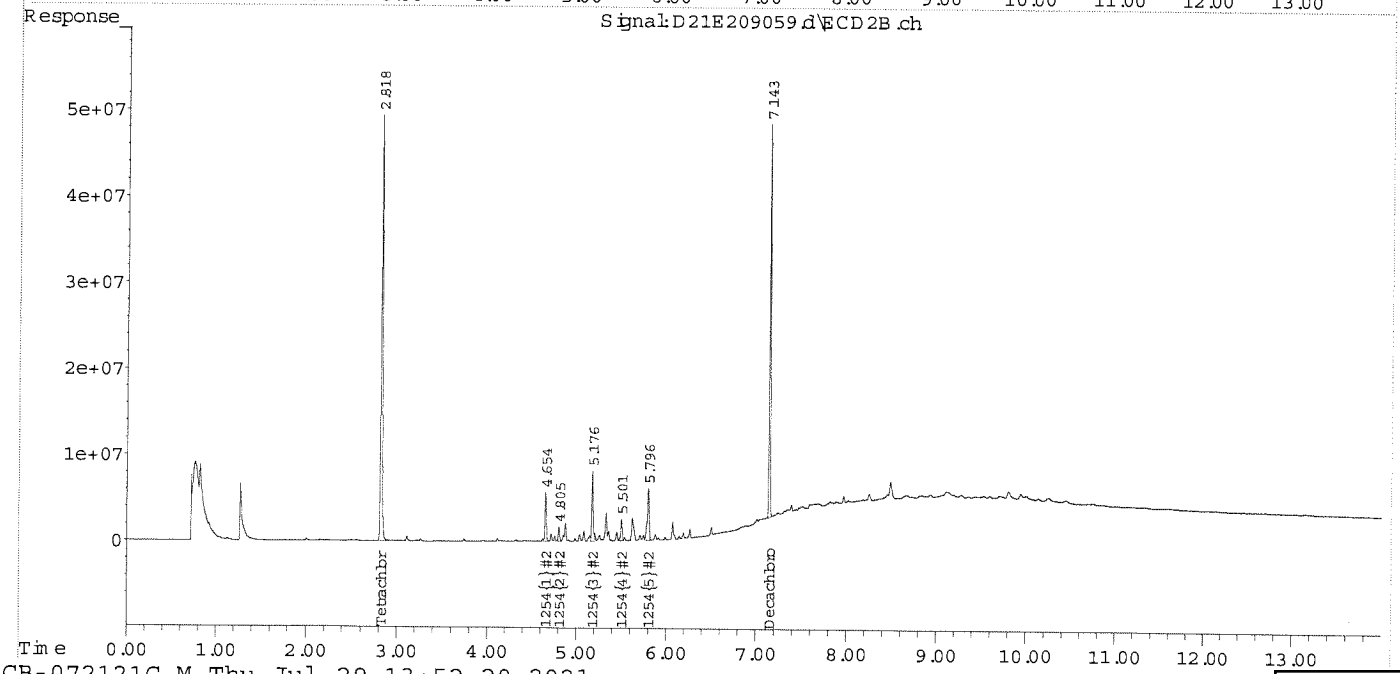
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209059.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2021 2:00 am
Operator : JMB
Sample : 21G0820-02@5X TBA Inst : ECD 4
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 10:20:02 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCBLONG.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



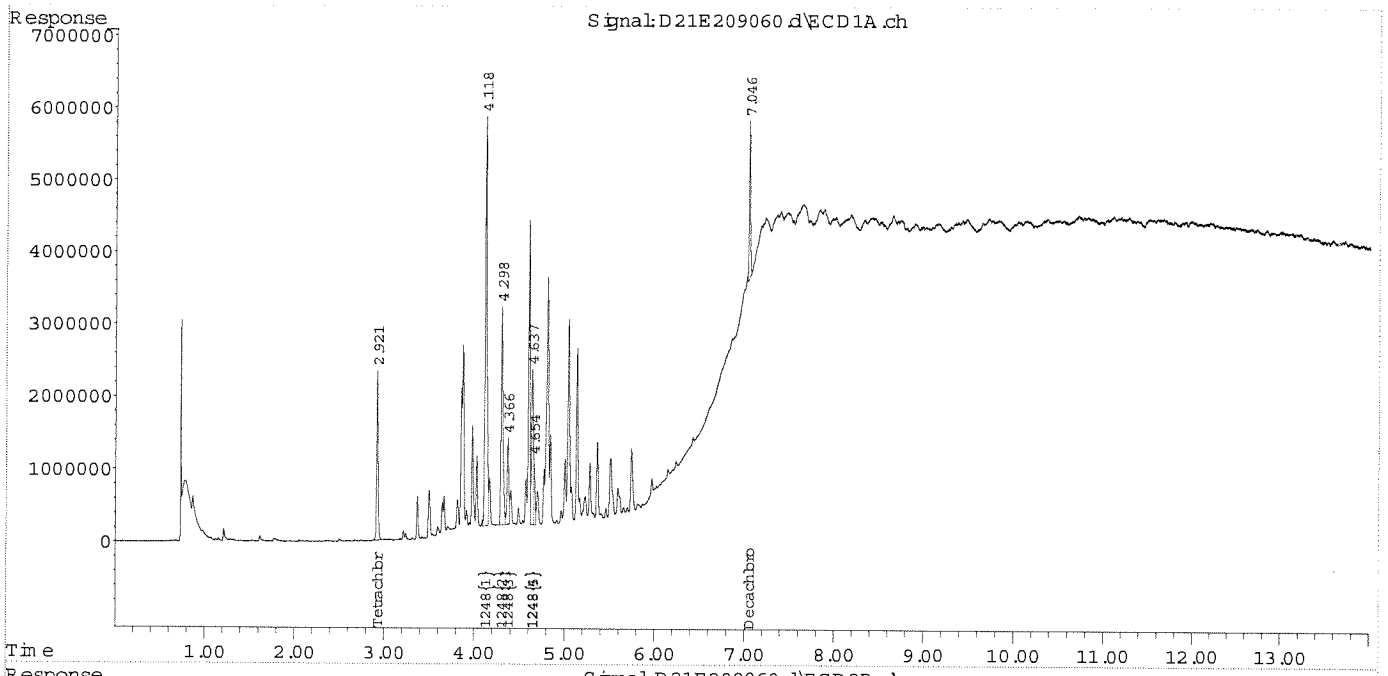


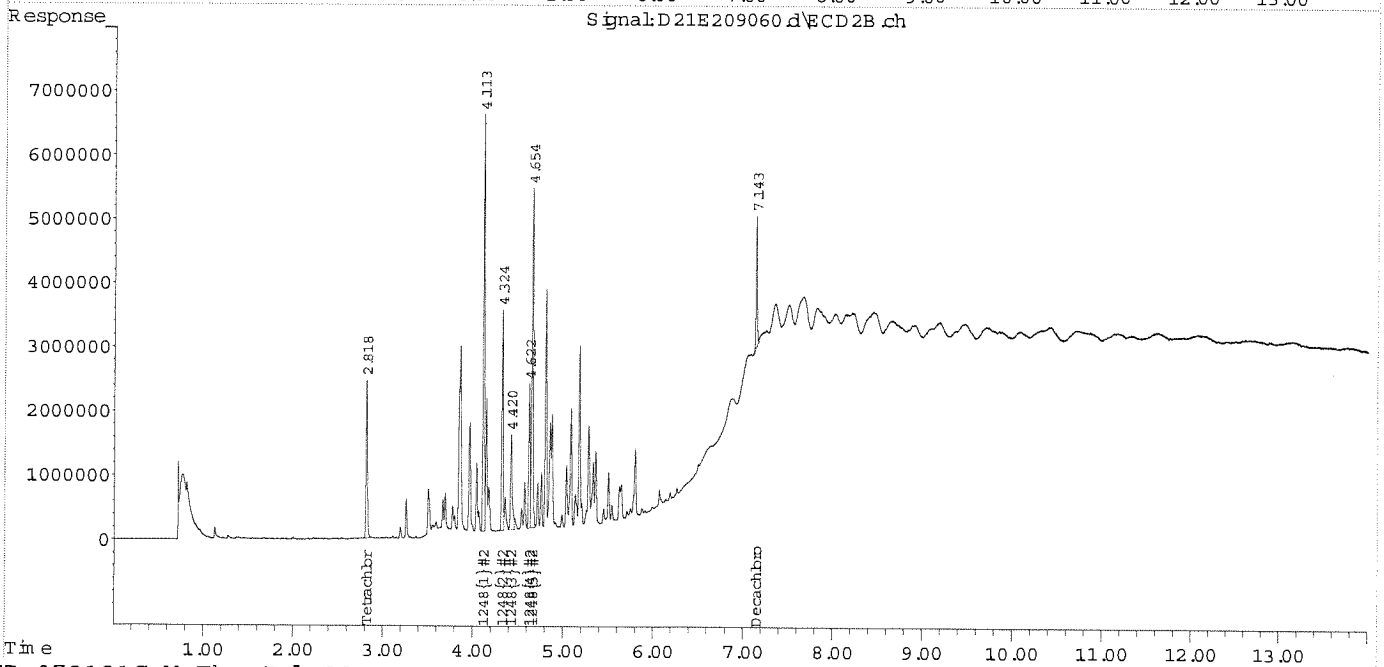
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209060.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2021 2:18 am
Operator : JMB
Sample : 21G0820-03@100X TBA Inst : ECD 4
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 12:57:35 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCBLONG.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



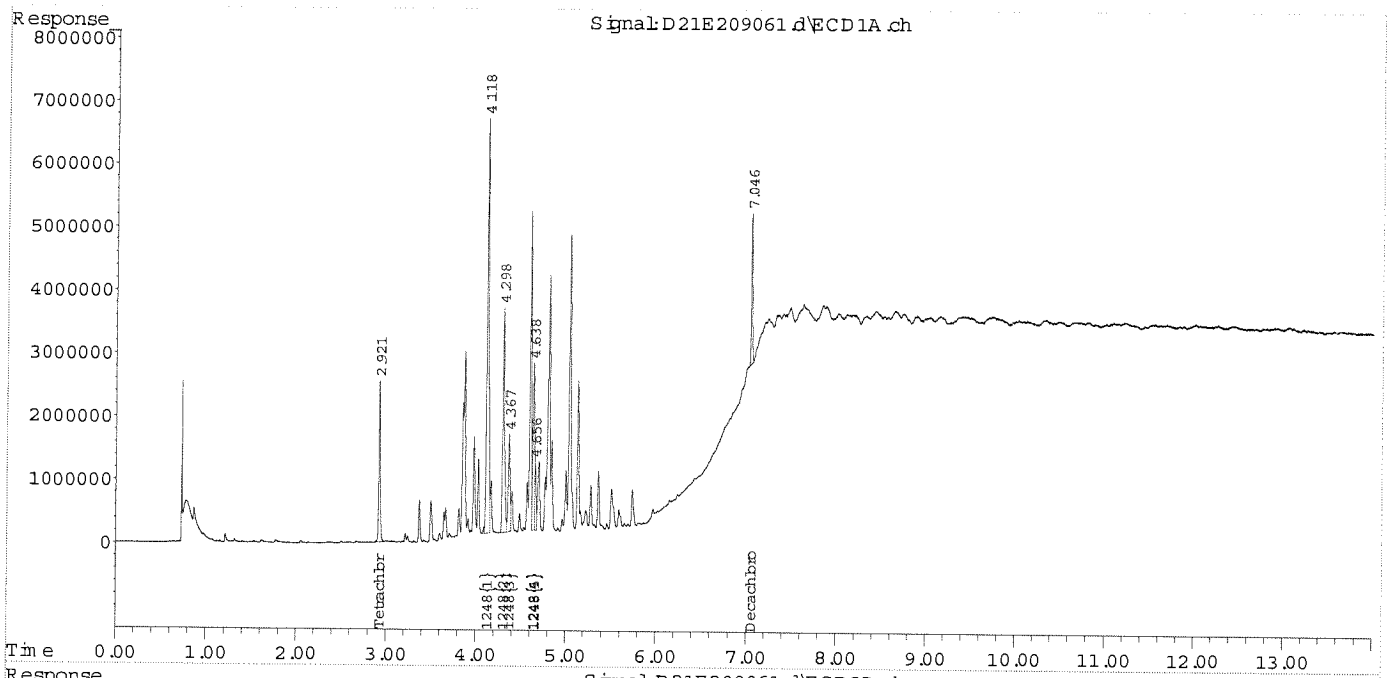


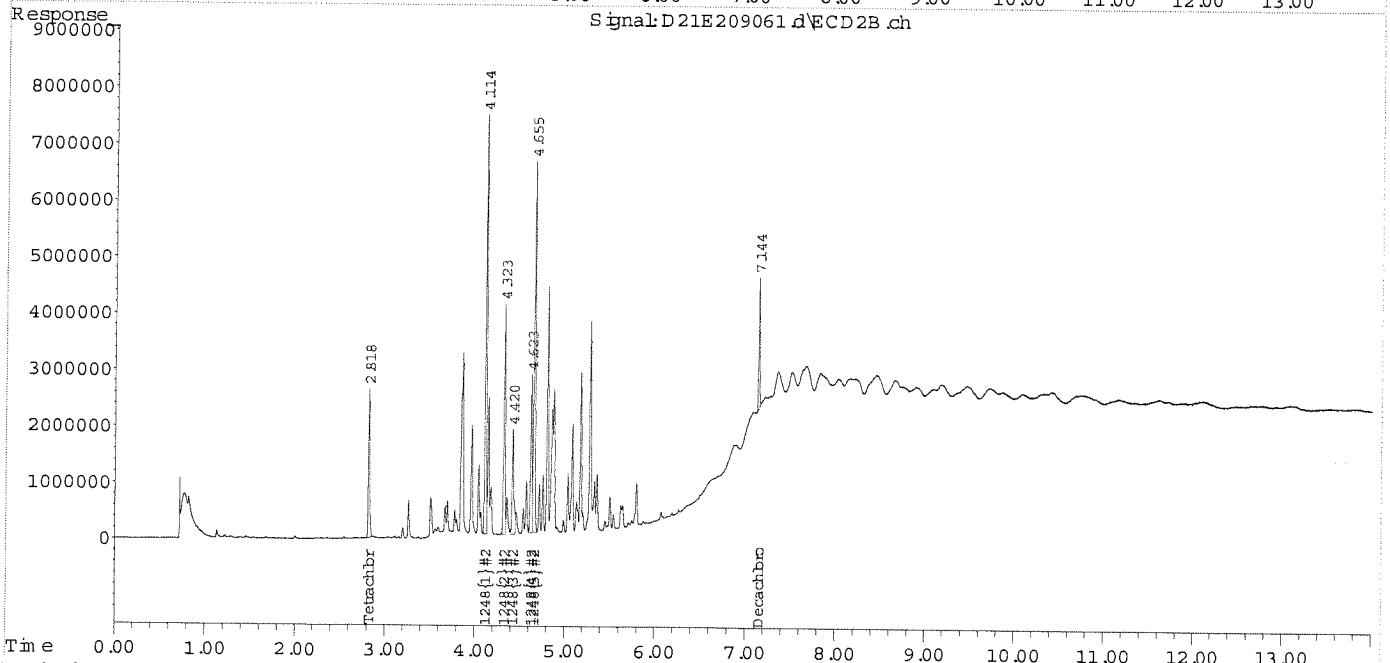
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209061.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2021 2:36 am
Operator : JMB
Sample : 21G0820-04@100X TBA Inst : ECD 4
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 12:59:32 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCBLONG.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



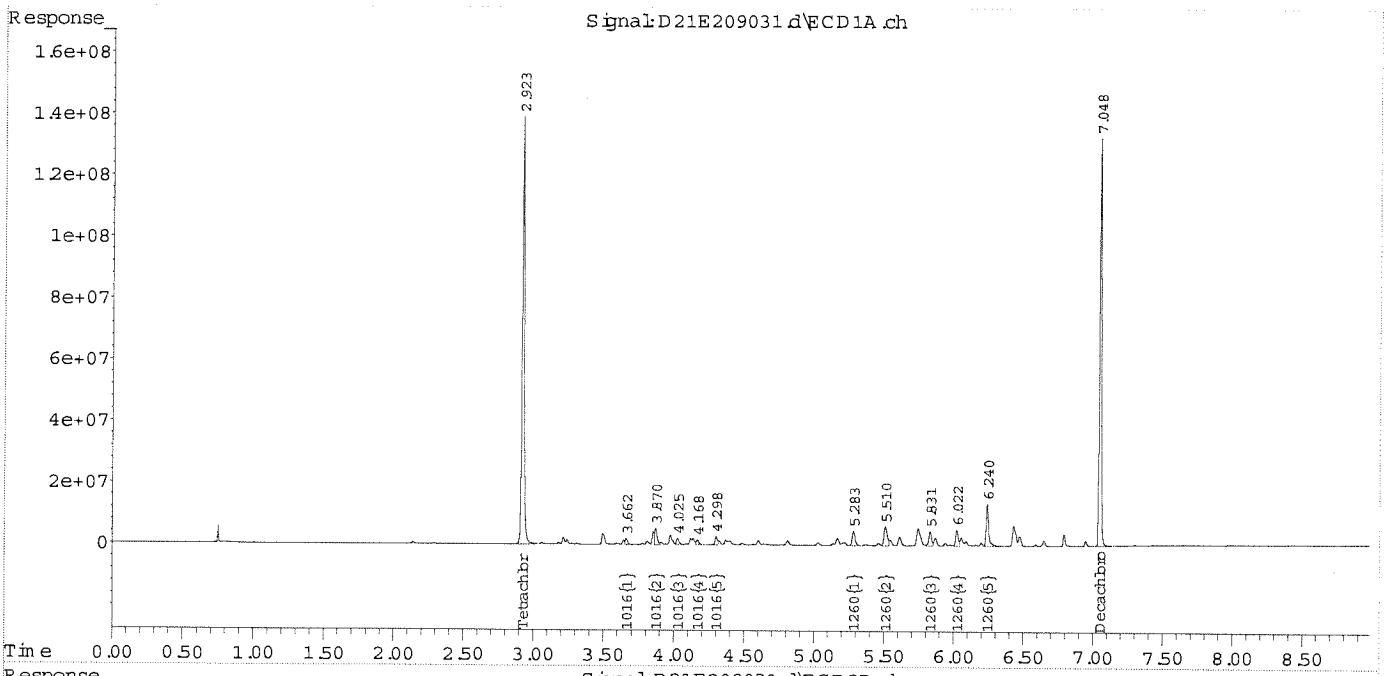


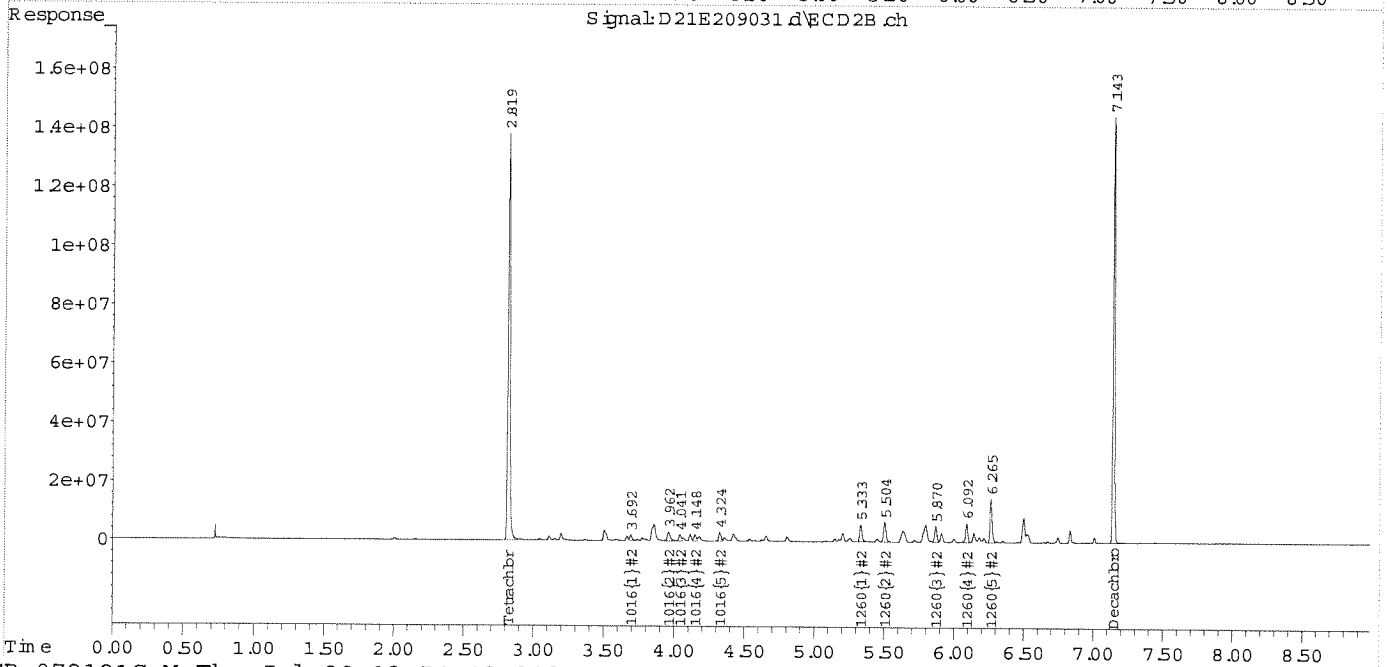
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209031.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 6:35 pm
Operator : JMB
Sample : 1260/1016 100 Inst : ECD 4
Misc : mix[s,l1,l7]
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 08:31:01 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029!
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



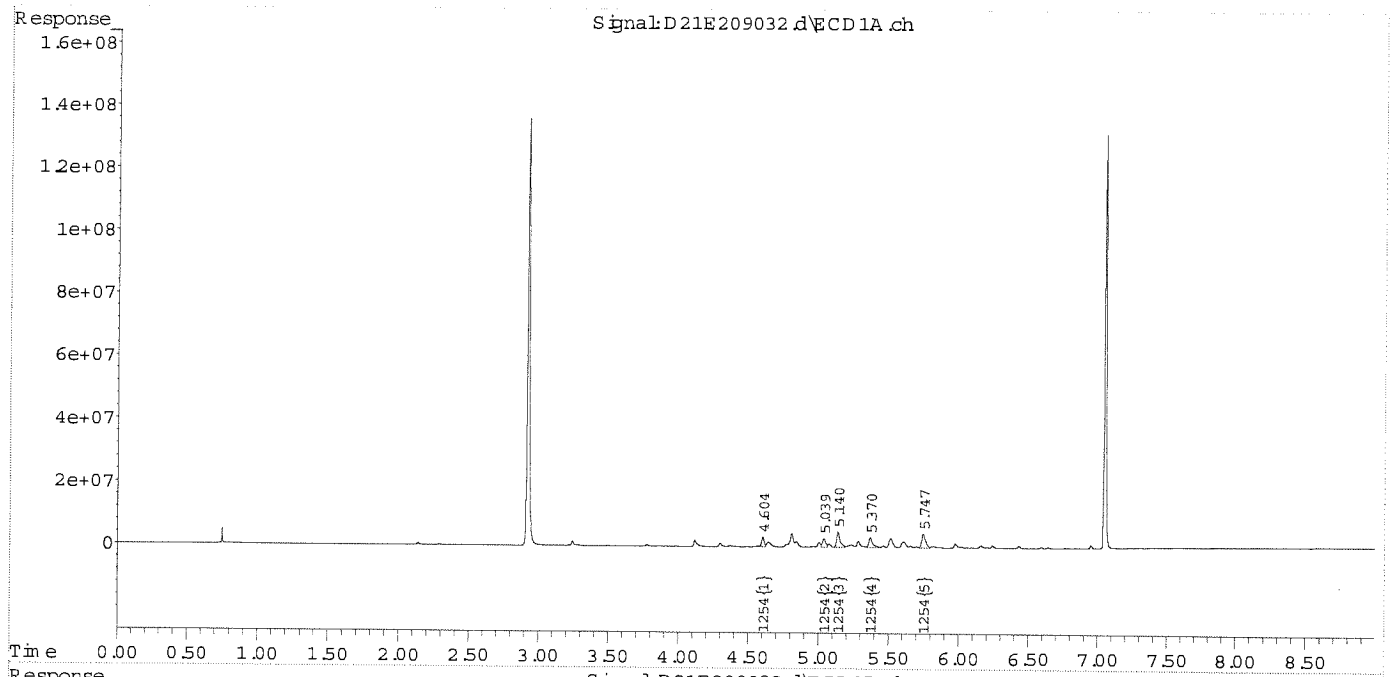


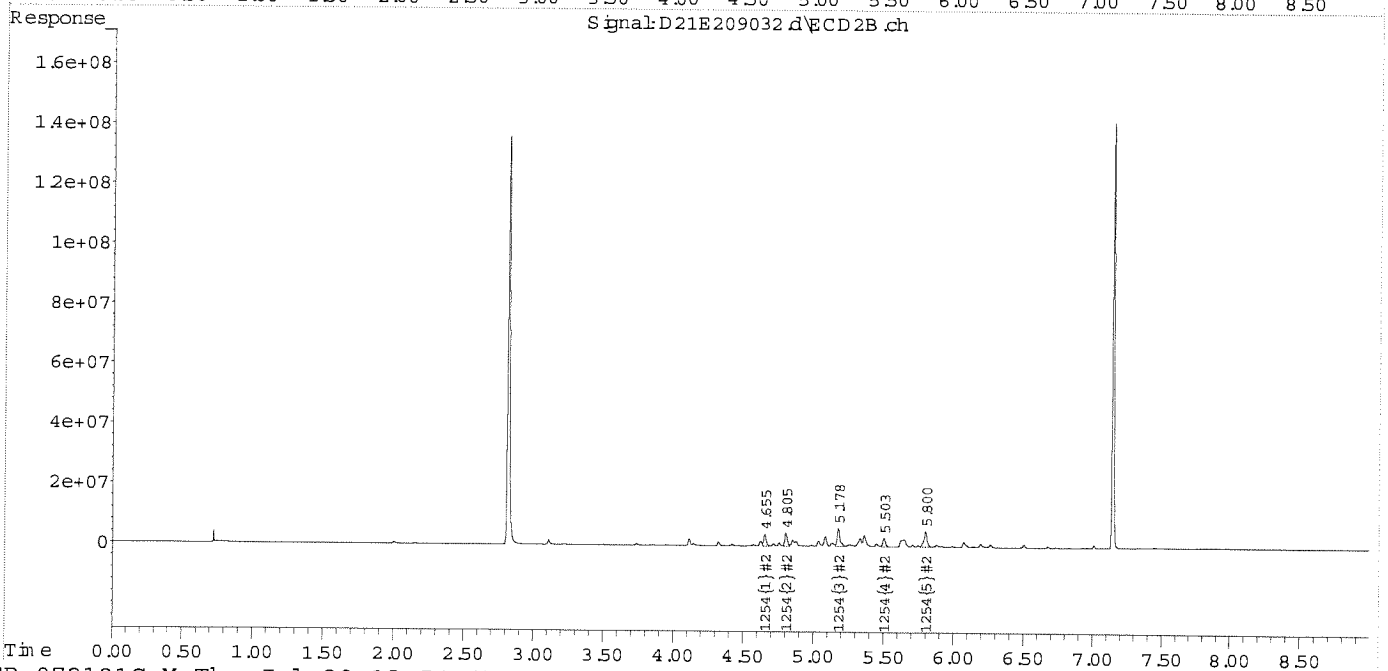
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209032.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 6:48 pm
Operator : JMB
Sample : 1254 100 Inst : ECD 4
Misc : mix[16]
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:09 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



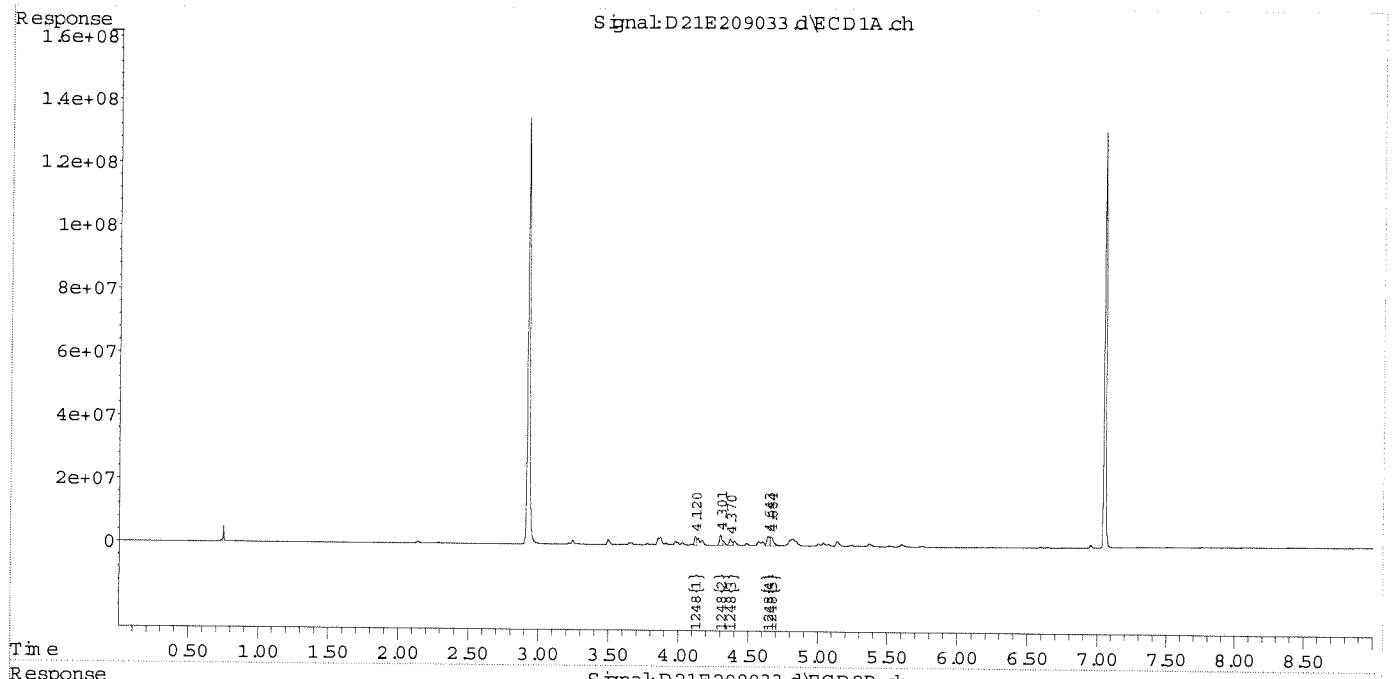


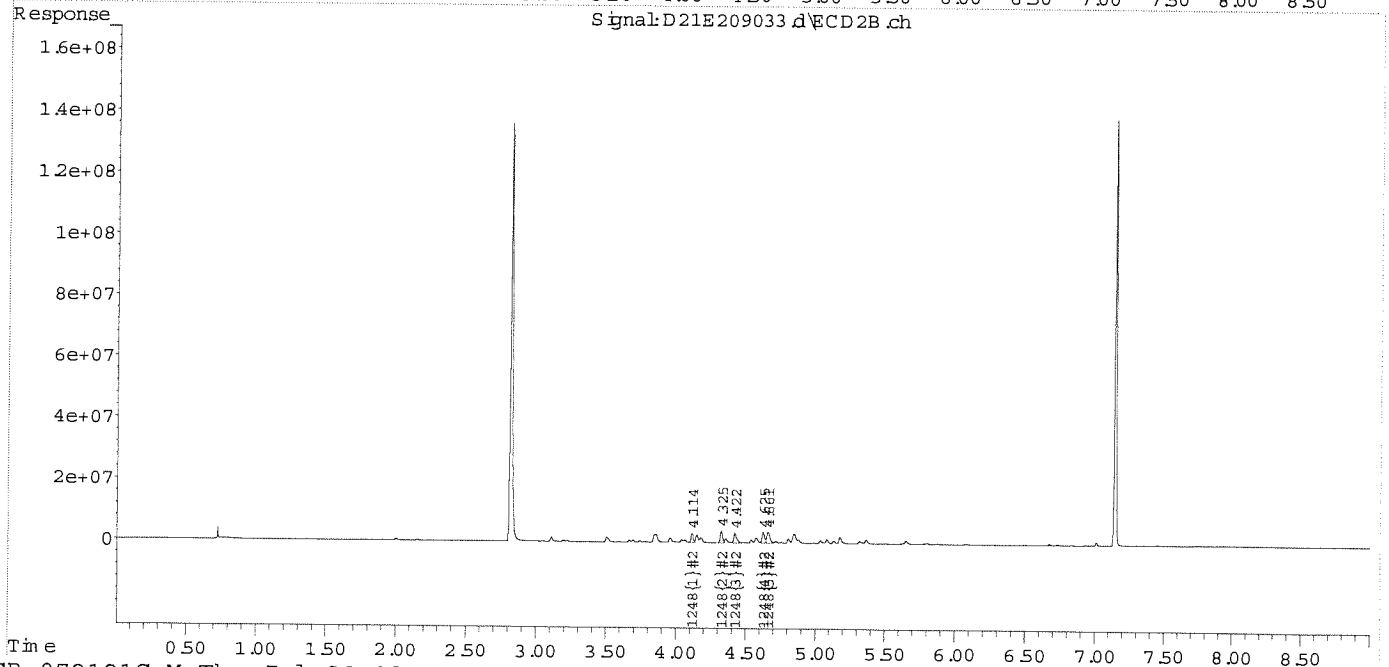
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209033.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:01 pm
Operator : JMB
Sample : 1248 100 Inst : ECD 4
Misc : mix[15]
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:14 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



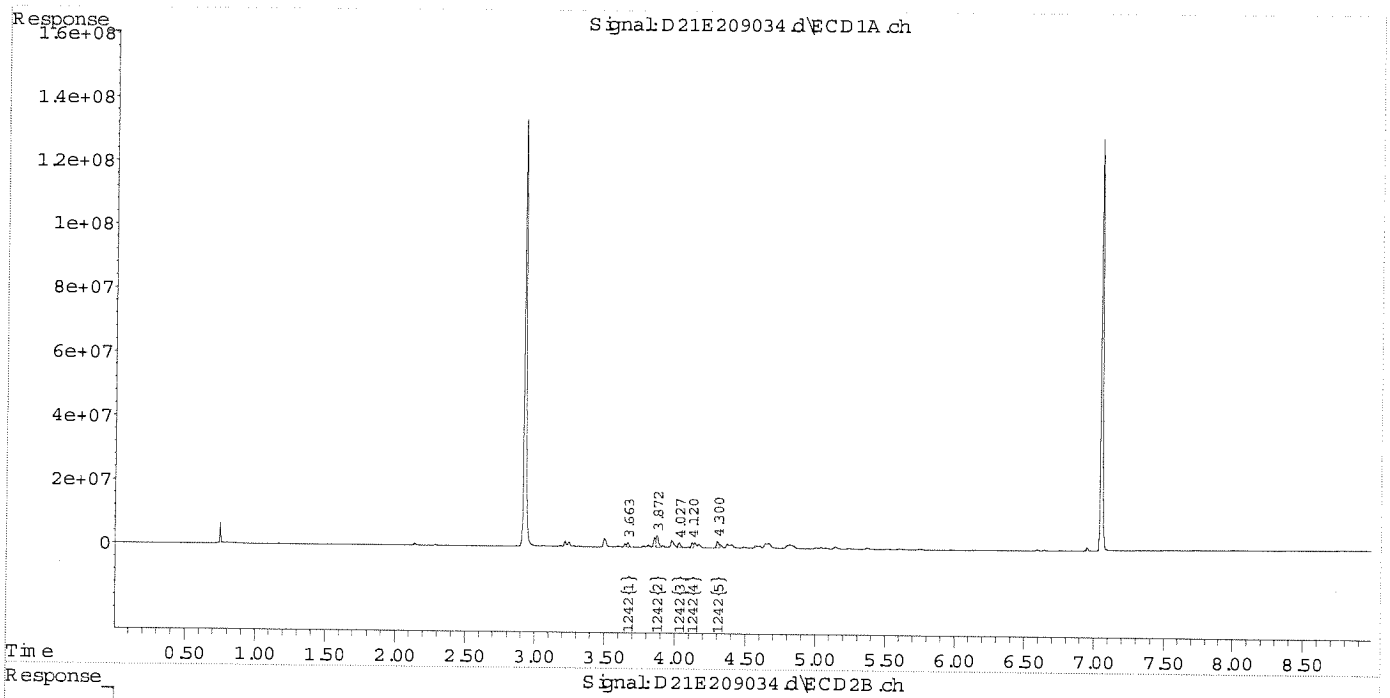


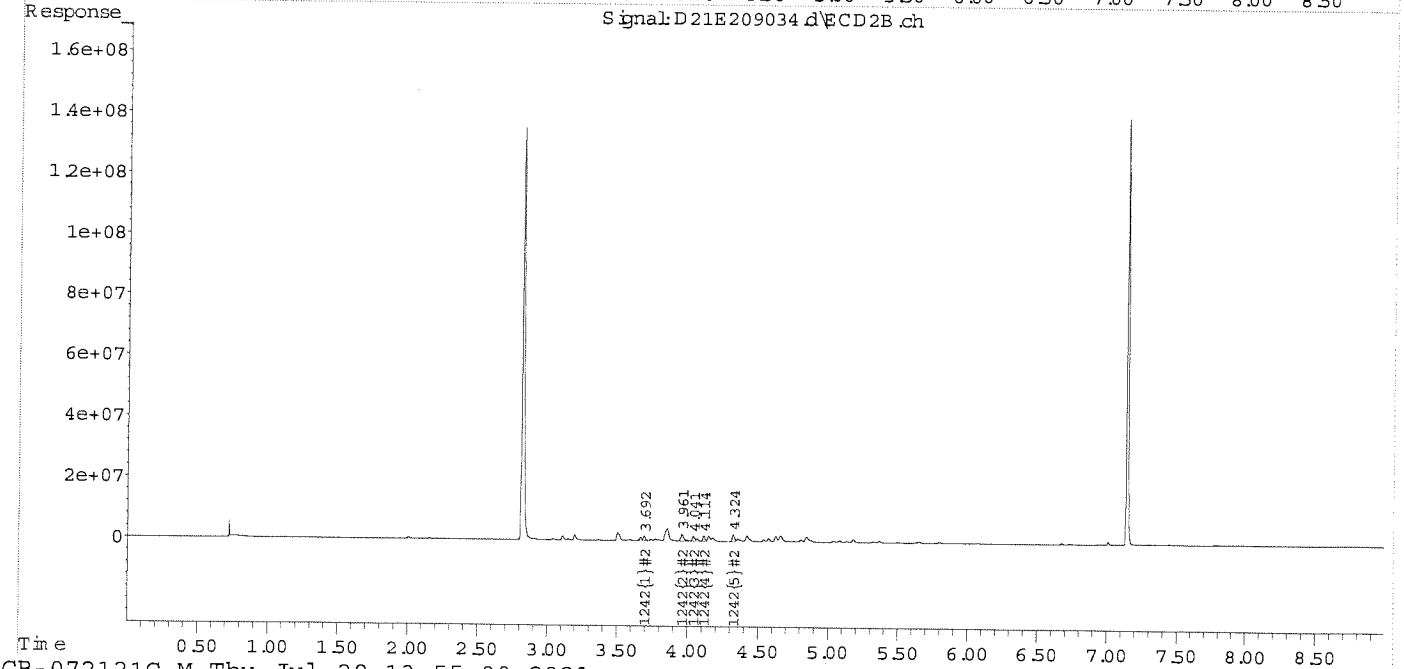
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209034.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:13 pm
Operator : JMB
Sample : 1242 100 Inst : ECD 4
Misc : mix[14]
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:19 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



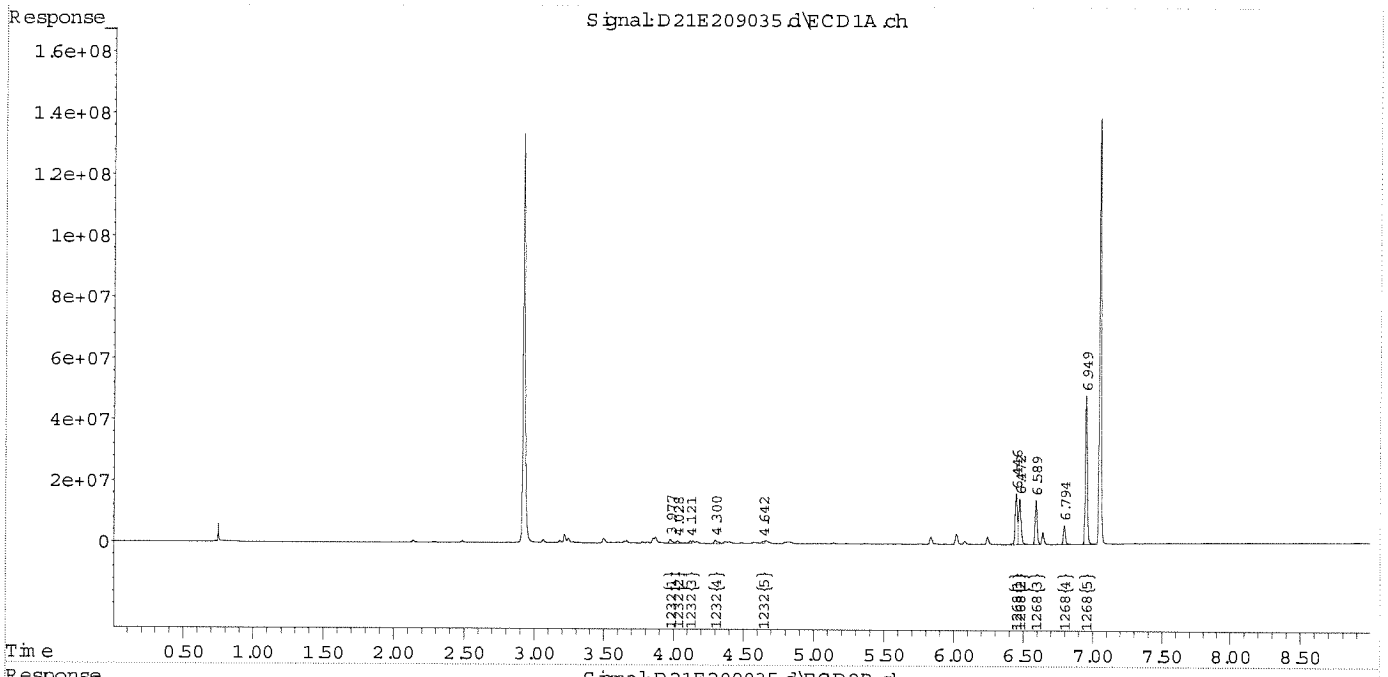


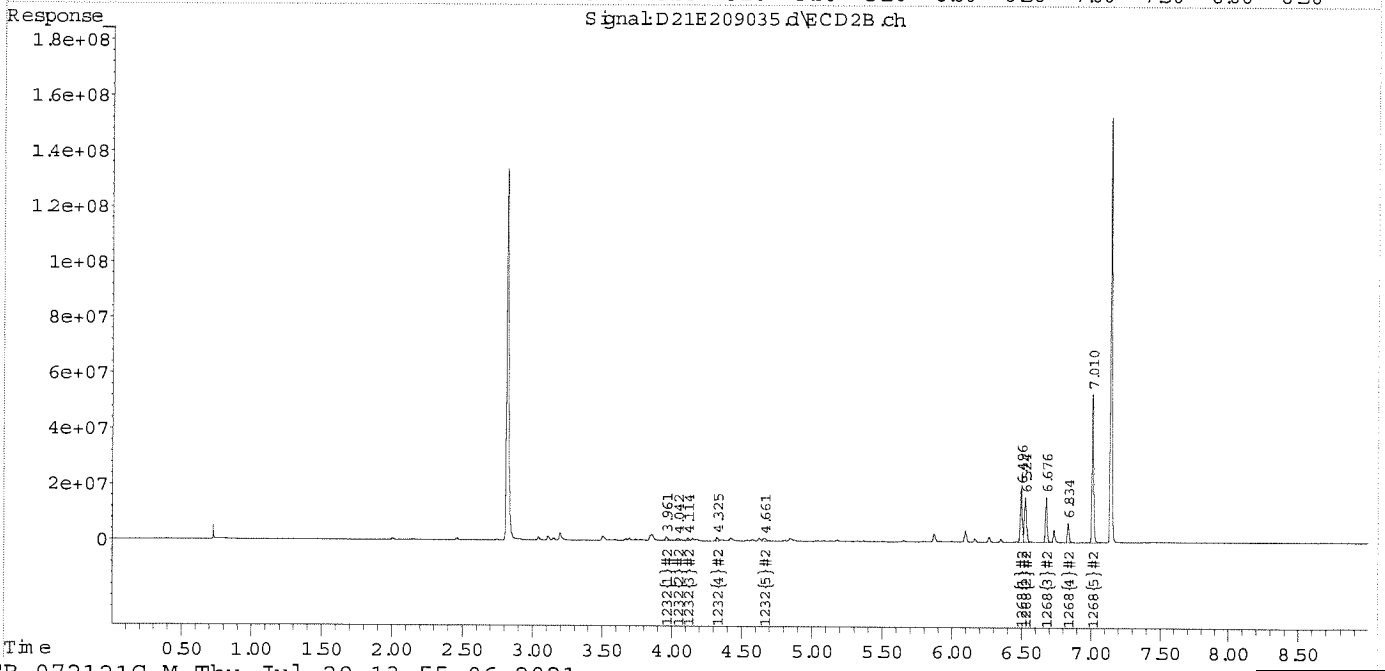
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209035.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:26 pm
Operator : JMB
Sample : 1232/1268 100 Inst : ECD 4
Misc : mix[13,19]
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:24 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



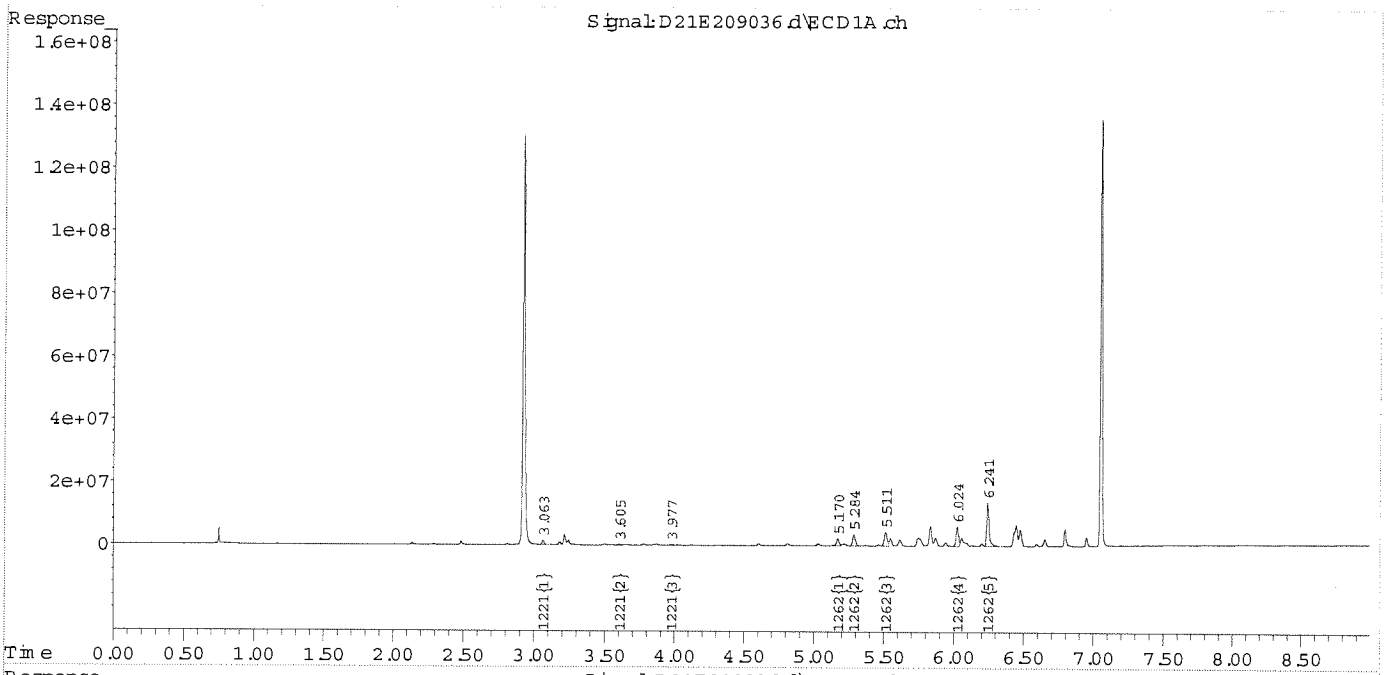


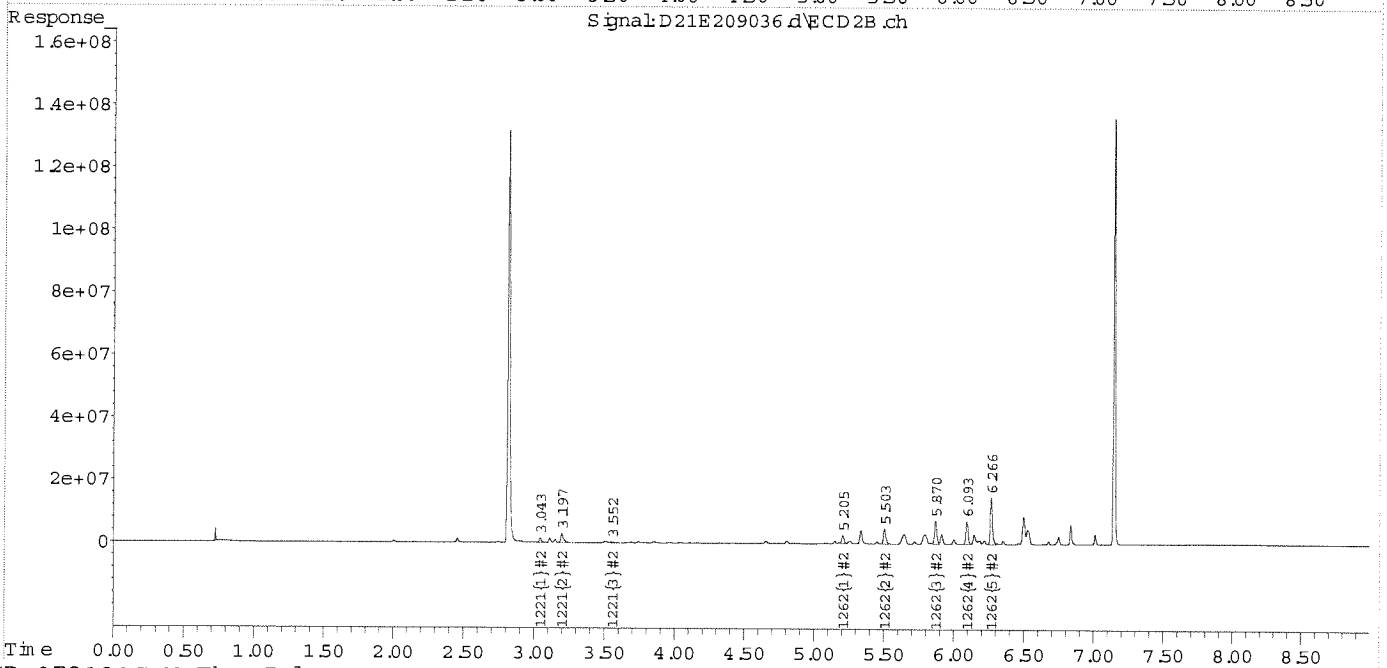
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209036.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:39 pm
Operator : JMB
Sample : 1221/1262 100 Inst : ECD 4
Misc : mix[l2,l8]
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:29 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Building C

Bulk and Substrate Data

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July 29, 2021

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

Project Location: 52 Institute Rd., Burlington, VT (Bldg C)
Client Job Number:
Project Number: 280BS01563 Task 7
Laboratory Work Order Number: 21G0819

Enclosed are results of analyses for samples received by the laboratory on July 15, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kaitlyn A. Feliciano
Project Manager

Table of Contents

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

REPORT DATE: 7/29/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Task 7

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21G0819

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

PROJECT LOCATION: 52 Institute Rd., Burlington, VT (Bldg C)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
210702.C2050.137-1336	21G0819-01	Product/Solid		SW-846 8082A	
210702.C2050.137-1337	21G0819-02	Product/Solid		SW-846 8082A	
210702.C2051.137-1338	21G0819-03	Product/Solid		SW-846 8082A	
210702.C2051.137-1339	21G0819-04	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.

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: 52 Institute Rd., Burlington, VT (Sample Description: Work Order: 21G0819

Date Received: 7/15/2021

Field Sample #: 210702.C2050.137-1336 Sampled: 7/2/2021 15:05

Sample ID: 21G0819-01

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	0.30	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 0:32	TG
Aroclor-1221 [1]	ND	0.30	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 0:32	TG
Aroclor-1232 [1]	ND	0.30	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 0:32	TG
Aroclor-1242 [1]	ND	0.30	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 0:32	TG
Aroclor-1248 [1]	ND	0.30	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 0:32	TG
Aroclor-1254 [1]	ND	0.30	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 0:32	TG
Aroclor-1260 [1]	ND	0.30	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 0:32	TG
Aroclor-1262 [1]	ND	0.30	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 0:32	TG
Aroclor-1268 [1]	ND	0.30	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 0:32	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	83.5	30-150		7/29/21	0:32
Decachlorobiphenyl [2]	78.1	30-150		7/29/21	0:32
Tetrachloro-m-xylene [1]	84.2	30-150		7/29/21	0:32
Tetrachloro-m-xylene [2]	85.8	30-150		7/29/21	0:32

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Project Location: 52 Institute Rd., Burlington, VT (Sample Description: Work Order: 21G0819

Date Received: 7/15/2021

Field Sample #: 210702.C2050.137-1337 Sampled: 7/2/2021 15:45

Sample ID: 21G0819-02

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	0.37	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 0:49	TG
Aroclor-1221 [1]	ND	0.37	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 0:49	TG
Aroclor-1232 [1]	ND	0.37	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 0:49	TG
Aroclor-1242 [1]	ND	0.37	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 0:49	TG
Aroclor-1248 [1]	ND	0.37	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 0:49	TG
Aroclor-1254 [1]	ND	0.37	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 0:49	TG
Aroclor-1260 [1]	ND	0.37	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 0:49	TG
Aroclor-1262 [1]	ND	0.37	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 0:49	TG
Aroclor-1268 [1]	ND	0.37	mg/Kg	5		SW-846 8082A	7/16/21	7/29/21 0:49	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	59.1	30-150		7/29/21 0:49
Decachlorobiphenyl [2]	58.0	30-150		7/29/21 0:49
Tetrachloro-m-xylene [1]	70.8	30-150		7/29/21 0:49
Tetrachloro-m-xylene [2]	73.0	30-150		7/29/21 0:49

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Project Location: 52 Institute Rd., Burlington, VT (Sample Description: Work Order: 21G0819

Date Received: 7/15/2021

Field Sample #: 210702.C2051.137-1338 Sampled: 7/2/2021 16:05

Sample ID: 21G0819-03

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	1.6	mg/Kg	20		SW-846 8082A	7/16/21	7/29/21 1:07	TG
Aroclor-1221 [1]	ND	1.6	mg/Kg	20		SW-846 8082A	7/16/21	7/29/21 1:07	TG
Aroclor-1232 [1]	ND	1.6	mg/Kg	20		SW-846 8082A	7/16/21	7/29/21 1:07	TG
Aroclor-1242 [1]	9.2	1.6	mg/Kg	20		SW-846 8082A	7/16/21	7/29/21 1:07	TG
Aroclor-1248 [1]	ND	1.6	mg/Kg	20		SW-846 8082A	7/16/21	7/29/21 1:07	TG
Aroclor-1254 [1]	ND	1.6	mg/Kg	20		SW-846 8082A	7/16/21	7/29/21 1:07	TG
Aroclor-1260 [1]	ND	1.6	mg/Kg	20		SW-846 8082A	7/16/21	7/29/21 1:07	TG
Aroclor-1262 [1]	ND	1.6	mg/Kg	20		SW-846 8082A	7/16/21	7/29/21 1:07	TG
Aroclor-1268 [1]	ND	1.6	mg/Kg	20		SW-846 8082A	7/16/21	7/29/21 1:07	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.4	30-150		7/29/21 1:07
Decachlorobiphenyl [2]	70.6	30-150		7/29/21 1:07
Tetrachloro-m-xylene [1]	84.1	30-150		7/29/21 1:07
Tetrachloro-m-xylene [2]	85.2	30-150		7/29/21 1:07

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Project Location: 52 Institute Rd., Burlington, VT (Sample Description: Work Order: 21G0819

Date Received: 7/15/2021

Field Sample #: 210702.C2051.137-1339 Sampled: 7/2/2021 16:10

Sample ID: 21G0819-04

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	2.0	mg/Kg	20		SW-846 8082A	7/16/21	7/29/21 1:25	TG
Aroclor-1221 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	7/16/21	7/29/21 1:25	TG
Aroclor-1232 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	7/16/21	7/29/21 1:25	TG
Aroclor-1242 [1]	8.7	2.0	mg/Kg	20		SW-846 8082A	7/16/21	7/29/21 1:25	TG
Aroclor-1248 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	7/16/21	7/29/21 1:25	TG
Aroclor-1254 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	7/16/21	7/29/21 1:25	TG
Aroclor-1260 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	7/16/21	7/29/21 1:25	TG
Aroclor-1262 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	7/16/21	7/29/21 1:25	TG
Aroclor-1268 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	7/16/21	7/29/21 1:25	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.9	30-150		7/29/21 1:25
Decachlorobiphenyl [2]	71.2	30-150		7/29/21 1:25
Tetrachloro-m-xylene [1]	87.2	30-150		7/29/21 1:25
Tetrachloro-m-xylene [2]	88.7	30-150		7/29/21 1:25

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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
21G0819-01 [210702.C2050.137-1336]	B286167	1.67	5.00	07/16/21
21G0819-02 [210702.C2050.137-1337]	B286167	1.35	5.00	07/16/21
21G0819-03 [210702.C2051.137-1338]	B286167	0.500	2.00	07/16/21
21G0819-04 [210702.C2051.137-1339]	B286167	1.00	5.00	07/16/21

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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 B286167 - SW-846 3540C										
Blank (B286167-BLK1)				Prepared: 07/16/21 Analyzed: 07/28/21						
Aroclor-1016	ND	0.097	mg/Kg							
Aroclor-1016 [2C]	ND	0.097	mg/Kg							
Aroclor-1221	ND	0.097	mg/Kg							
Aroclor-1221 [2C]	ND	0.097	mg/Kg							
Aroclor-1232	ND	0.097	mg/Kg							
Aroclor-1232 [2C]	ND	0.097	mg/Kg							
Aroclor-1242	ND	0.097	mg/Kg							
Aroclor-1242 [2C]	ND	0.097	mg/Kg							
Aroclor-1248	ND	0.097	mg/Kg							
Aroclor-1248 [2C]	ND	0.097	mg/Kg							
Aroclor-1254	ND	0.097	mg/Kg							
Aroclor-1254 [2C]	ND	0.097	mg/Kg							
Aroclor-1260	ND	0.097	mg/Kg							
Aroclor-1260 [2C]	ND	0.097	mg/Kg							
Aroclor-1262	ND	0.097	mg/Kg							
Aroclor-1262 [2C]	ND	0.097	mg/Kg							
Aroclor-1268	ND	0.097	mg/Kg							
Aroclor-1268 [2C]	ND	0.097	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.858*		mg/Kg	0.971		88.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.832*		mg/Kg	0.971		85.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.815*		mg/Kg	0.971		83.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.839*		mg/Kg	0.971		86.4	30-150			
LCS (B286167-BS1)				Prepared: 07/16/21 Analyzed: 07/28/21						
Aroclor-1016	0.84	0.098	mg/Kg	0.976		85.6	40-140			
Aroclor-1016 [2C]	0.82	0.098	mg/Kg	0.976		84.2	40-140			
Aroclor-1260	0.72	0.098	mg/Kg	0.976		73.3	40-140			
Aroclor-1260 [2C]	0.71	0.098	mg/Kg	0.976		72.3	40-140			
Surrogate: Decachlorobiphenyl	*0.819*		mg/Kg	0.976		84.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.793*		mg/Kg	0.976		81.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.818*		mg/Kg	0.976		83.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.843*		mg/Kg	0.976		86.4	30-150			
LCS Dup (B286167-BSD1)				Prepared: 07/16/21 Analyzed: 07/28/21						
Aroclor-1016	0.81	0.099	mg/Kg	0.990		81.5	40-140	3.54	30	
Aroclor-1016 [2C]	0.78	0.099	mg/Kg	0.990		78.9	40-140	5.06	30	
Aroclor-1260	0.65	0.099	mg/Kg	0.990		66.0	40-140	9.08	30	
Aroclor-1260 [2C]	0.65	0.099	mg/Kg	0.990		66.0	40-140	7.60	30	
Surrogate: Decachlorobiphenyl	*0.736*		mg/Kg	0.990		74.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.715*		mg/Kg	0.990		72.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.780*		mg/Kg	0.990		78.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.799*		mg/Kg	0.990		80.7	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210702.C2051.137-1338

Lab Sample ID: 21G0819-03 Date(s) Analyzed: 07/29/2021 07/29/2021

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	9.2	
	2	0.000	0.000	0.000	8.6	6.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210702.C2051.137-1339

Lab Sample ID: 21G0819-04

Date(s) Analyzed: 07/29/2021 07/29/2021

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	8.7	
	2	0.000	0.000	0.000	8.2	5.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B286167-BS1 Date(s) Analyzed: 07/28/2021 07/28/2021

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	0.84	
	2	0.000	0.000	0.000	0.82	2.4
Aroclor-1260	1	0.000	0.000	0.000	0.72	
	2	0.000	0.000	0.000	0.71	1.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B286167-BSD1 Date(s) Analyzed: 07/28/2021 07/28/2021

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	0.81	
	2	0.000	0.000	0.000	0.78	3.8
Aroclor-1260	1	0.000	0.000	0.000	0.65	
	2	0.000	0.000	0.000	0.65	0.0

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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.

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	03/1/2022
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	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
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	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

210819

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:
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980

Project Name:
Project Location: 52 Institue Road, Burlington, Vermont
Project Number: 280BS01563
Project Manager: Andra Liberty
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: J. Adams, K. Paritz

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

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	EPA Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082									
1	210702.C2050.137-1336	7/2/21	15:05	Grab	O	U		1				✓	✓									
2	210702.C2050.137-1337	7/2/21	15:45	Grab	O	U		1				✓	✓									
3	210702.C2051.137-1338	7/2/21	16:05	Grab	O	U		1				✓	✓									
4	210702.C2051.137-1339	7/2/21	16:10	Grab	O	U		1				✓	✓									
				Grab	O	U		1				✓	✓									
				Grab	O	U		1				✓	✓									
				Grab	O	U		1				✓	✓									
				Grab	O	U		1				✓	✓									
				Grab	O	U		1				✓	✓									
				Grab	O	U		1				✓	✓									

[2] Preservation Code

Courier Use Only

Total Number Of:
VIALS
GLASS 4
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)

Relinquished by: (signature)	Date/Time:
	7/14/21 1345
Received by: (signature)	Date/Time:
	7/14/21 1345
Relinquished by: (signature)	Date/Time:
	7/15 1625
Received by: (signature)	Date/Time:
2.0	7/15/21 1625
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab 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

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

con-test® ANALYTICAL LABORATORY

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 7/15/21 Time 1625

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

Direct from Sampling _____ Ambient _____ Melted Ice _____

By Gun # 5 Actual Temp - 2.0

Were samples within Temperature? 2-6°C T 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	4
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:

PREPARATION BENCH SHEET

Printed: 7/16/2021 12:33:12PM

Analysis
8082 Soxhlet

B286167

t, a Pace Analytical Laboratory

7/1.L

pared using: SW-846 3540C

Surrogate Solution
2107069 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

TG 7/29/21

(* change for 21G0816-02)

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B286167-BLK1	Blank			AAM 7/22/21		~~10.0~~ 2.06 G	G G 10		1000		
B286167-BS1	LCS					~~10.0~~ 2.05 G	G G	1000	1000		
B286167-BSD1	LCS Dup					~~10.0~~ 2.02 G	G G	1000	1000		
B286167-MS1	Matrix Spike [21G0816-01] *			AAM 7/22/21		2.03		1000	1000		
B286167-MSD1	Matrix Spike Dup [21G0816-01] *					2.09		1000	1000		
21G0816-01	210712.E2050.138-1342 3A	07/29/21	07/26/21			2.01			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0816-02	210712.E2050.138-1343	07/29/21	07/26/21			2.02			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0816-03	210702.E2051.138-1344	07/29/21	07/16/21			0.20	1.0		~~1000~~ 100	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0816-04	210702.E2051.138-1345	07/29/21	07/16/21			0.46	2.0		~~1000~~ 200	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0817-01	210712.F2050.138-1346	07/29/21	07/26/21			2.07	10		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0817-02	210712.F2050.138-1347	07/29/21	07/26/21			2.09			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0818-01	210223.D2050.137-1340	07/29/21	03/09/21			2.03			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0818-02	210223.D2050.137-1341	07/29/21	03/09/21			1.26	5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0819-01	210702.C2050.137-1336	07/29/21	07/16/21	AAM 7/22/21		1.67	~~T~~ 5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10

Page 19 of 31

(*) GG KMC (Wit) 7/16/2021
Checked/Witnessed By Date

GGG 07/16/2021
Extracted By Date

Loaded 071821 #4 TG
Prepped 071821 TR

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B286167

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 7/16/2021 12:33:12PM

Surrogate Solution
2107069 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
21G0819-02	210702.C2050.137-1337	07/29/21	07/16/21	AAM 7/22/21		1.35	~~1.0~~ 5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0819-03	210702.C2051.137-1338	07/29/21	07/16/21			0.50	2.0		~~1000~~ 200	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0819-04	210702.C2051.137-1339	07/29/21	07/16/21			1.00	5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-01	210702.B2050.137-1332	07/29/21	07/16/21			0.45	2.0		~~1000~~ 200	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-02	210702.B2050.137-1333	07/29/21	07/16/21			2.02	10		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-03	210702.B2051.137-1334	07/29/21	07/16/21			2.03	"		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-04	210702.B2051.137-1335	07/29/21	07/16/21			2.02	"		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0821-01	210702.A2050.137-1330	07/29/21	07/16/21			0.09	1.0		~~1000~~ 100	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0821-02	210702.A2050.137-1331	07/29/21	03/10/21			1.72	5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10

kedby/Witnessed By Date

Extracted By Date

LMNT\Print\bch_DEF_EXT_TAT.rpt

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B286167

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 7/16/2021 12:33:12PM

Surrogate Solution
2107069 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Start Date/Time:
Stop Date/Time: 16:12
SPK: QAU
Start Date/Time 07/16/21 @ QH
WIT: PTK
StopDate/Time 7/17/21 ~~17~~ 12:10

Standard ID#	Description	Manufacture Lot#
2105200	Hexanes 95%	207414
2106532	Sodium Sulfate (Drum 45.5kg)	0000282237
2106615	Acetone	210382
2107002	Distilled Solvent Hexanes:Acetone	2:1 Hexanes:Ace
2107003	Distilled Solvent - MeCl2	DCM/ACE
2107023	Filter Paper (Fisher) 15.0cm	17275732

kedby/Witnessed By Date

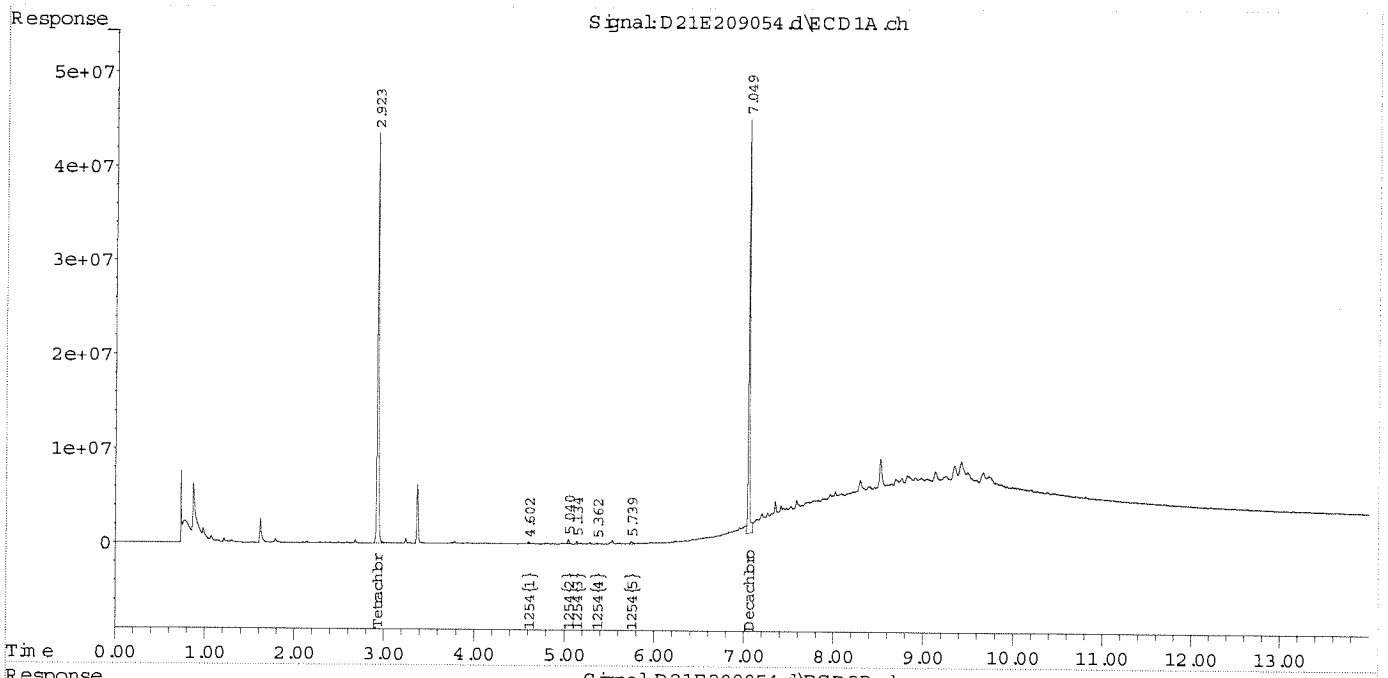
Extracted By Date

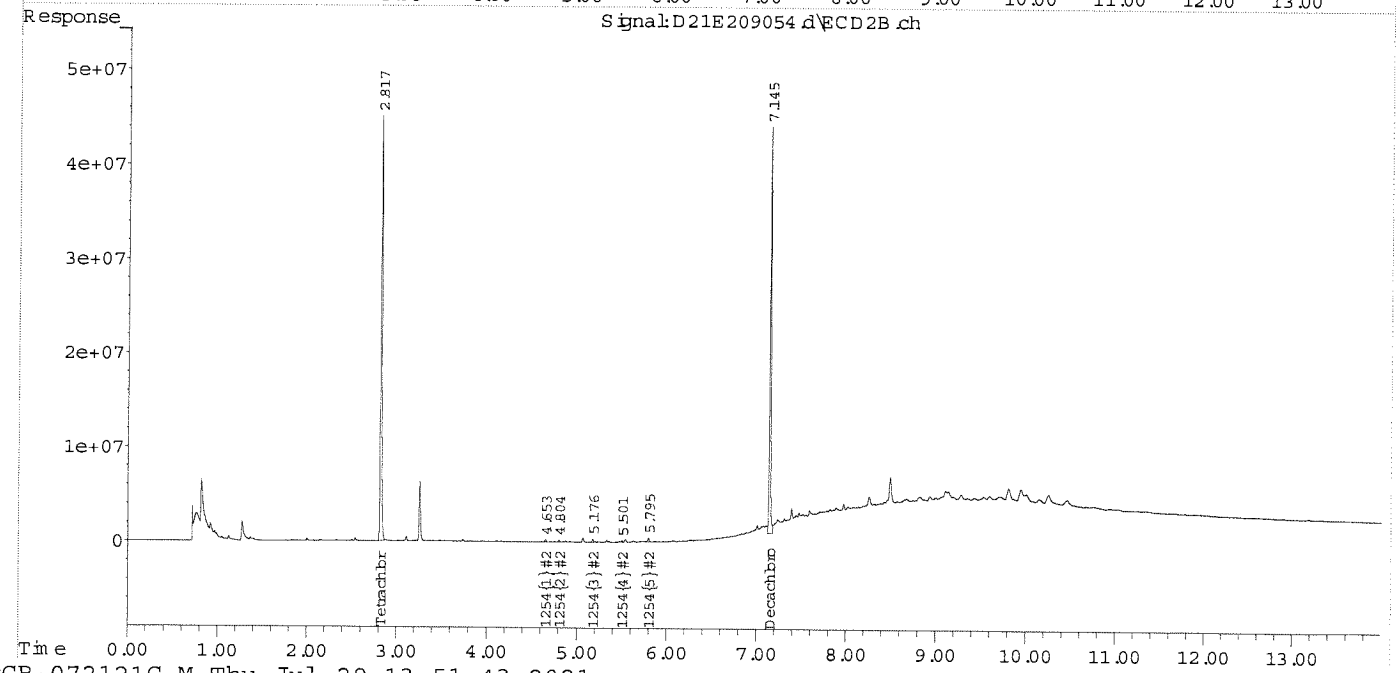
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209054.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2021 12:32 am
Operator : JMB
Sample : 21G0819-01@5X TBA Inst : ECD 4
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 10:14:19 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCBLONG.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



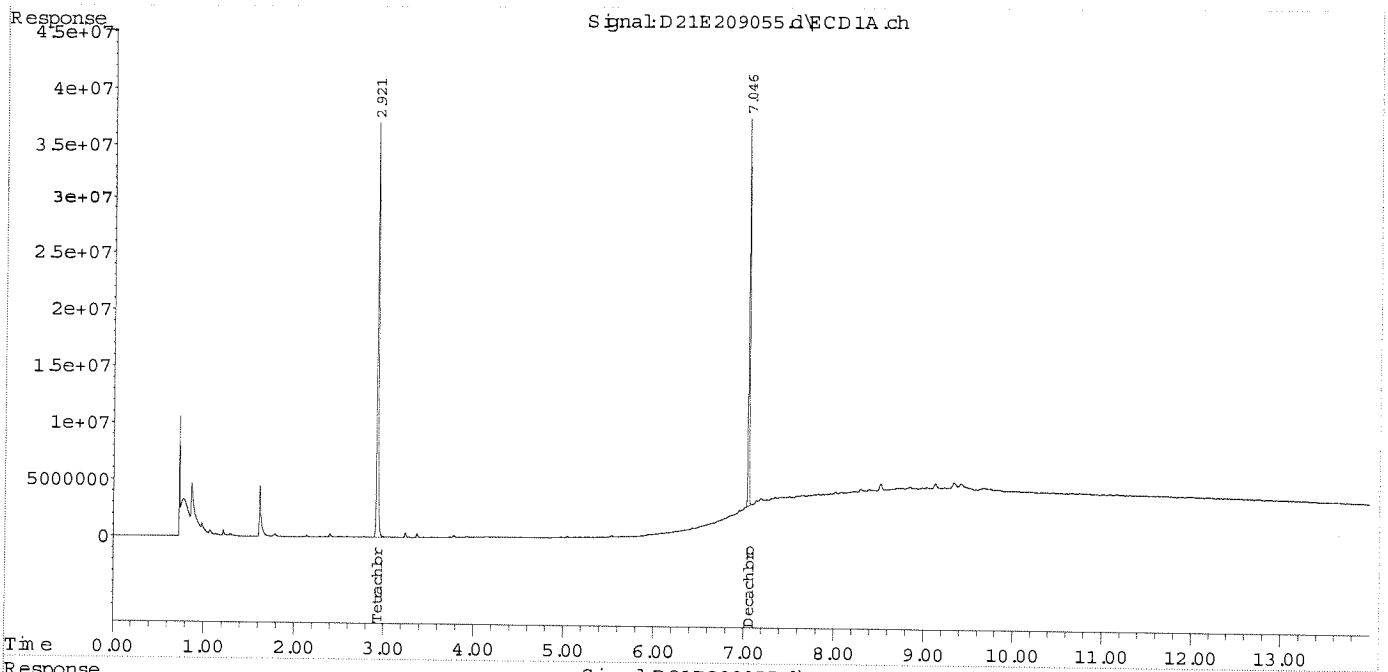


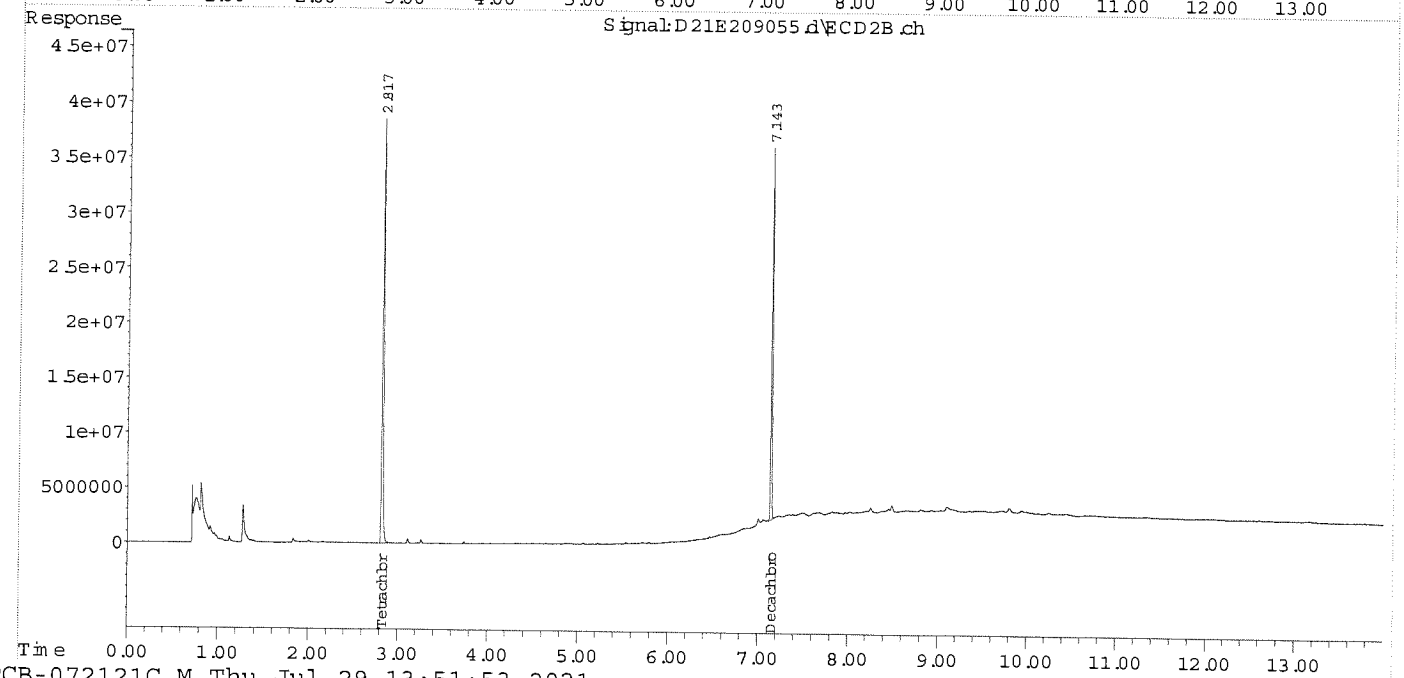
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209055.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2021 12:49 am
Operator : JMB
Sample : 21G0819-02@5X TBA Inst : ECD 4
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 10:15:27 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCBLONG.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



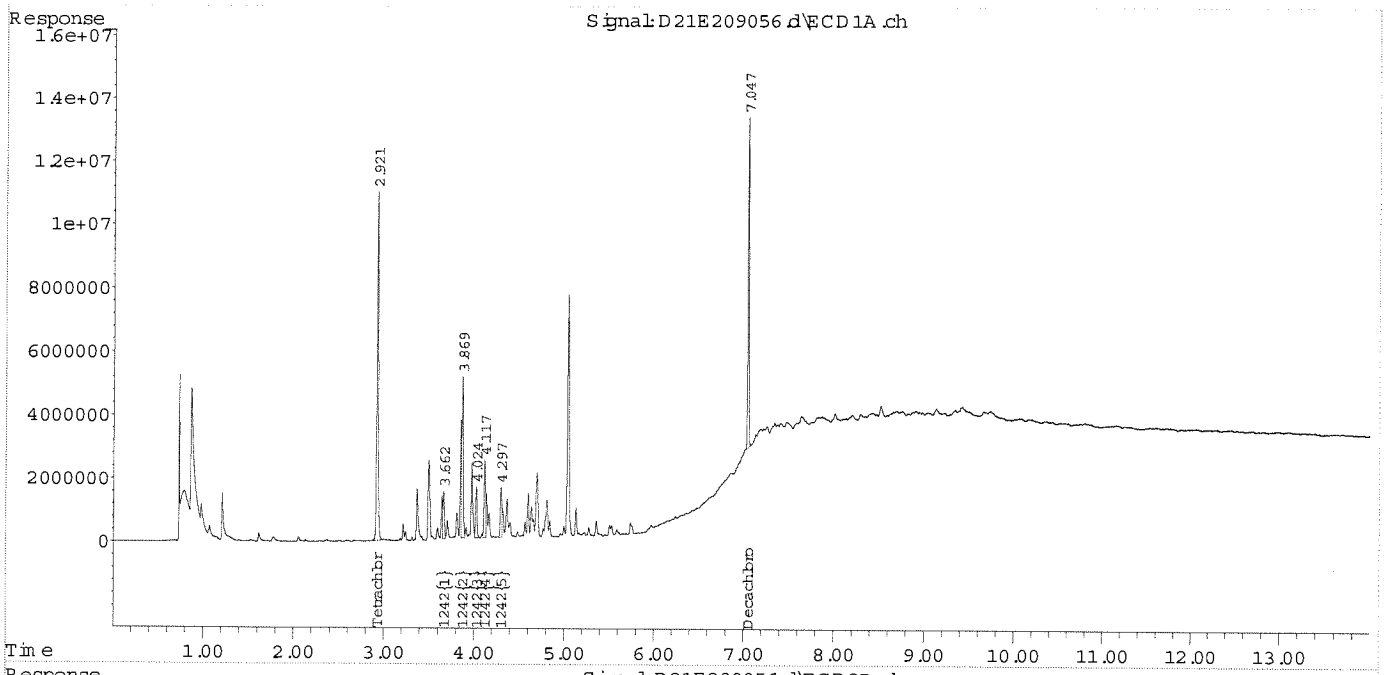


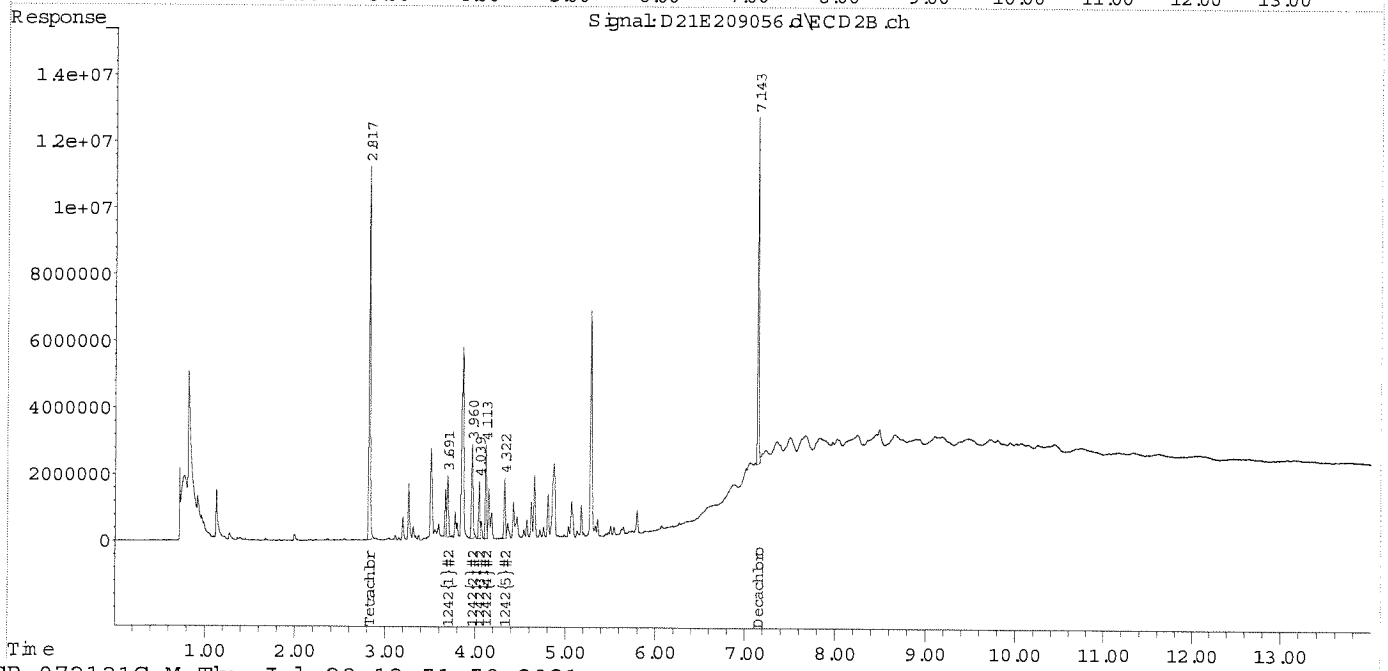
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209056.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2021 1:07 am
Operator : JMB
Sample : 21G0819-03@20X TBA Inst : ECD 4
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 12:53:35 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCBLONG.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



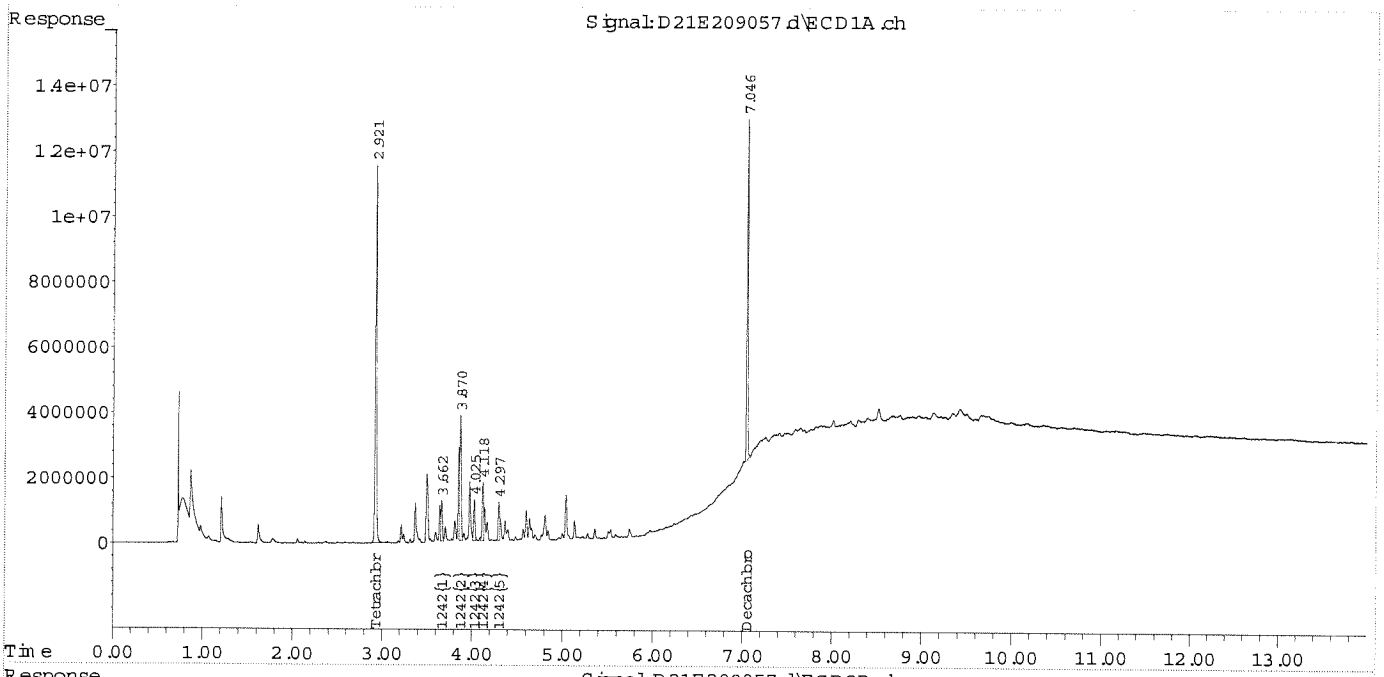


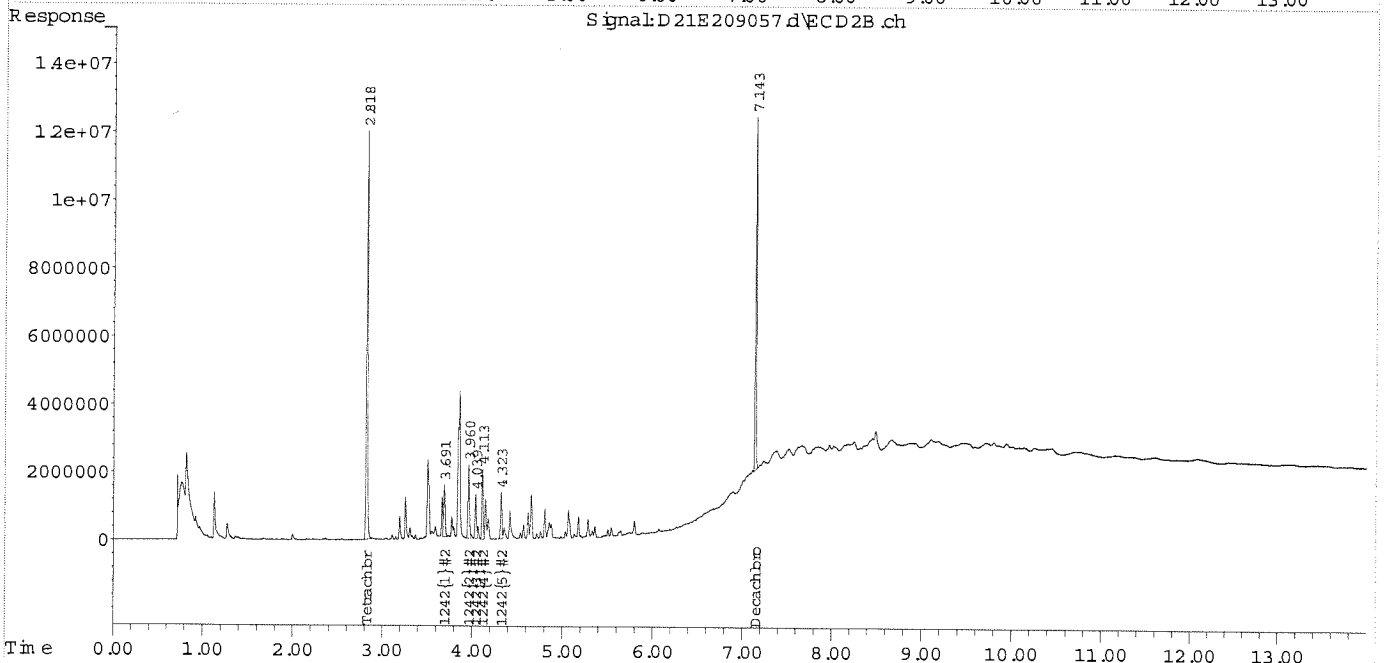
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209057.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2021 1:25 am
Operator : JMB
Sample : 21G0819-04@20X TBA Inst : ECD 4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 12:55:48 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCBLONG.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



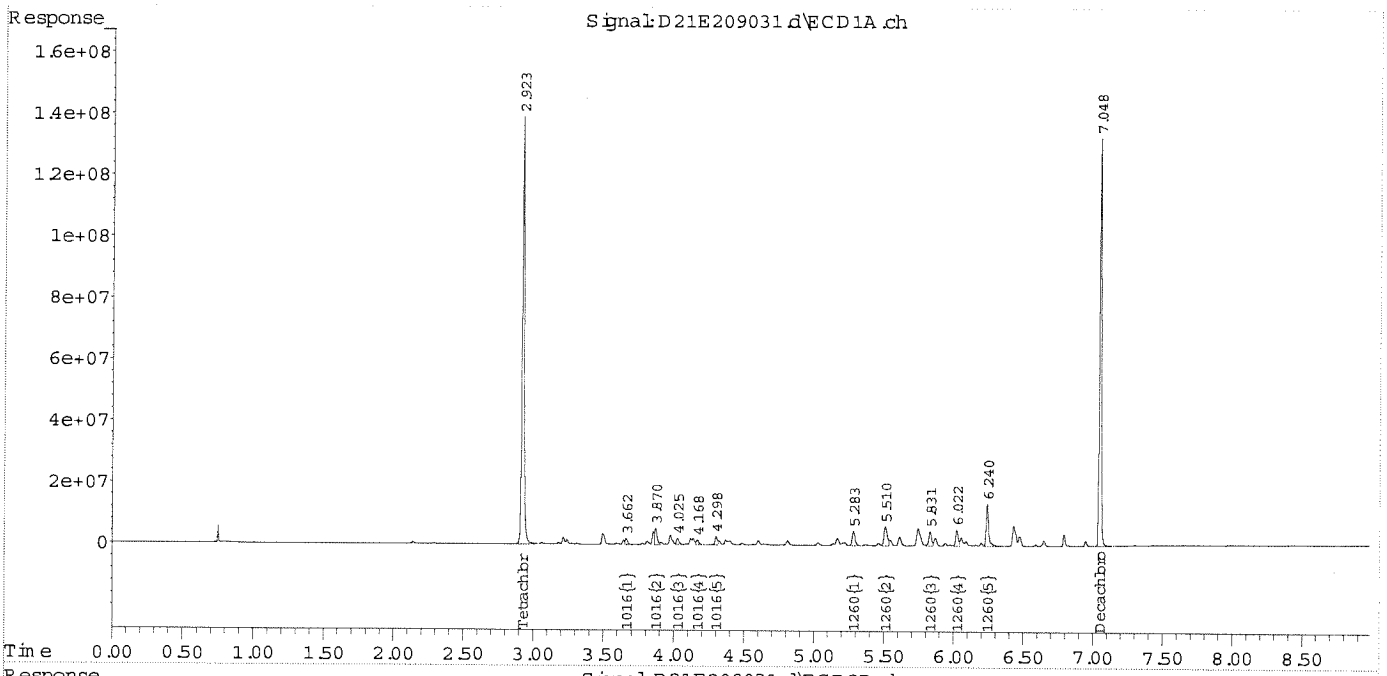


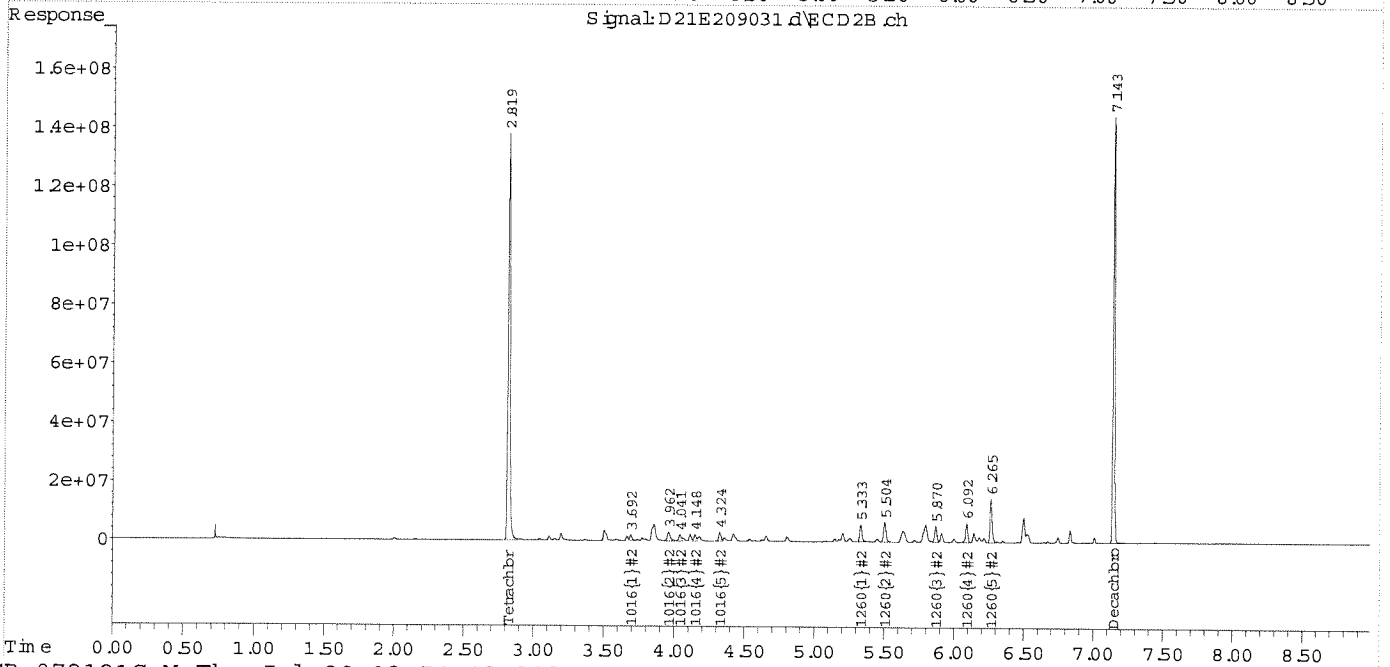
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209031.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 6:35 pm
Operator : JMB
Sample : 1260/1016 100 Inst : ECD 4
Misc : mix[s,l1,l7]
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 08:31:01 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029!
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



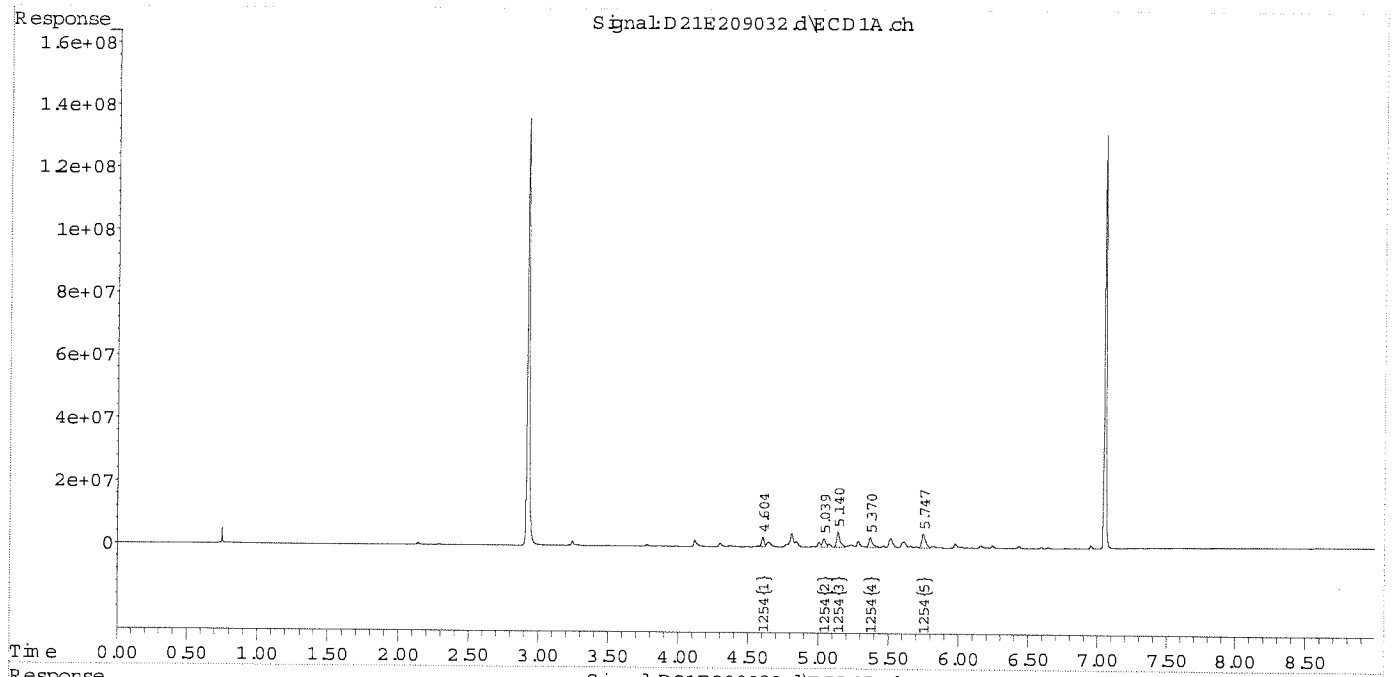


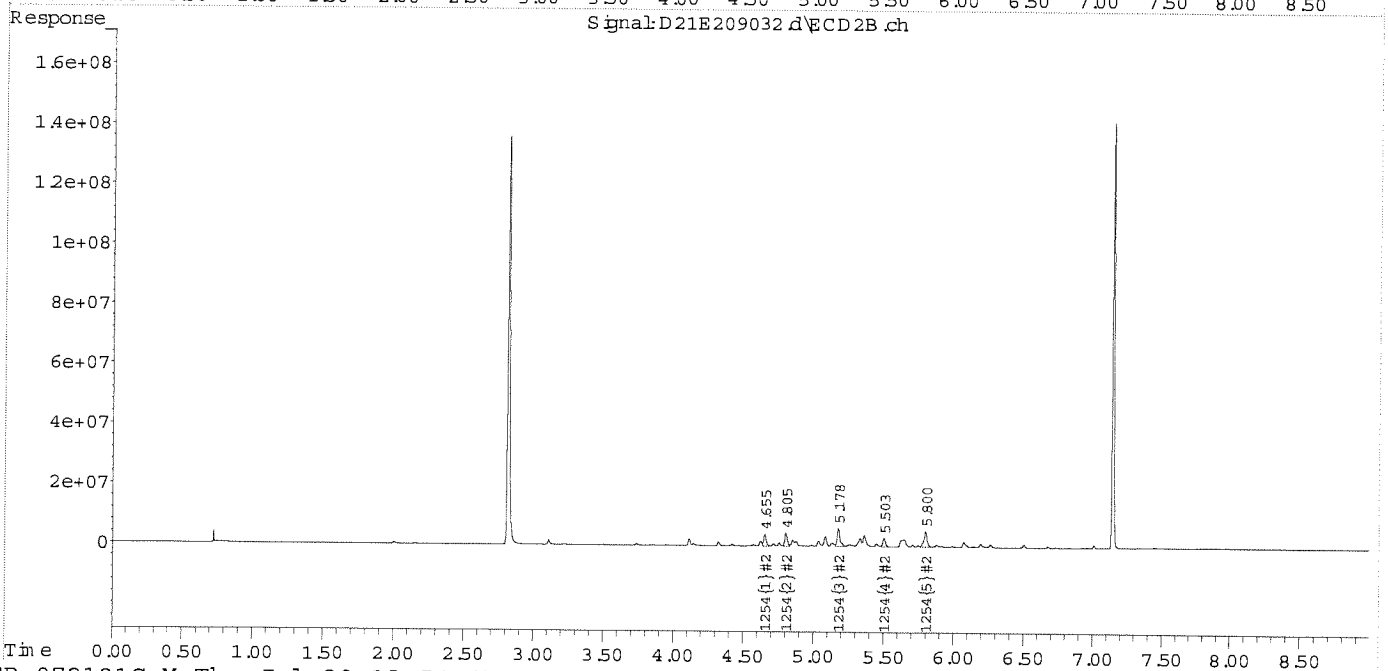
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209032.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 6:48 pm
Operator : JMB
Sample : 1254 100 Inst : ECD 4
Misc : mix[16]
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:09 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



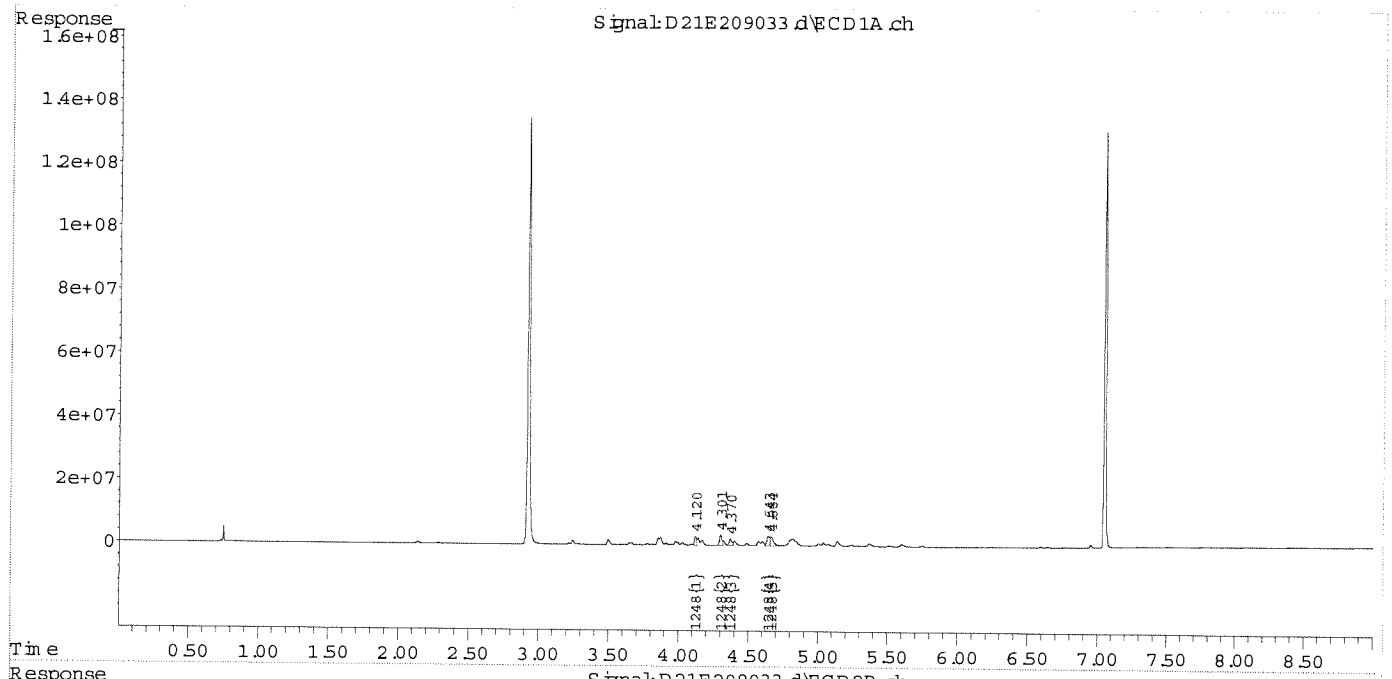


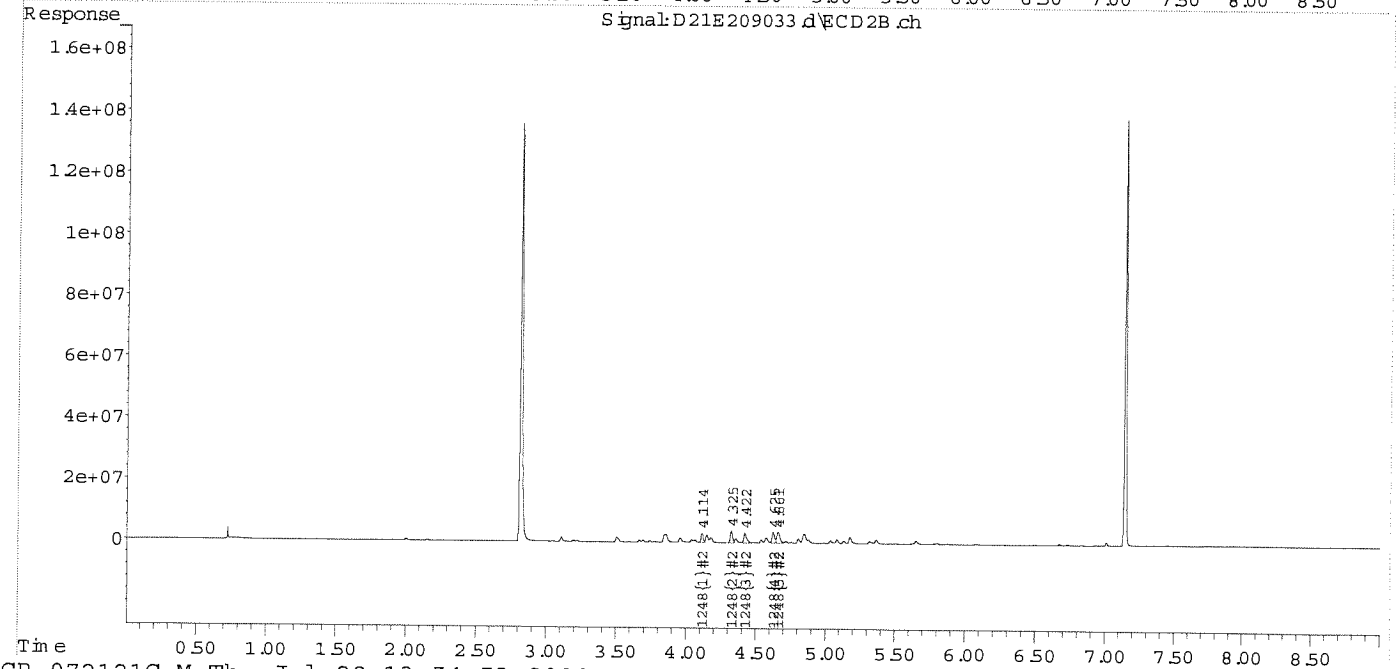
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209033.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:01 pm
Operator : JMB
Sample : 1248 100 Inst : ECD 4
Misc : mix[15]
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:14 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



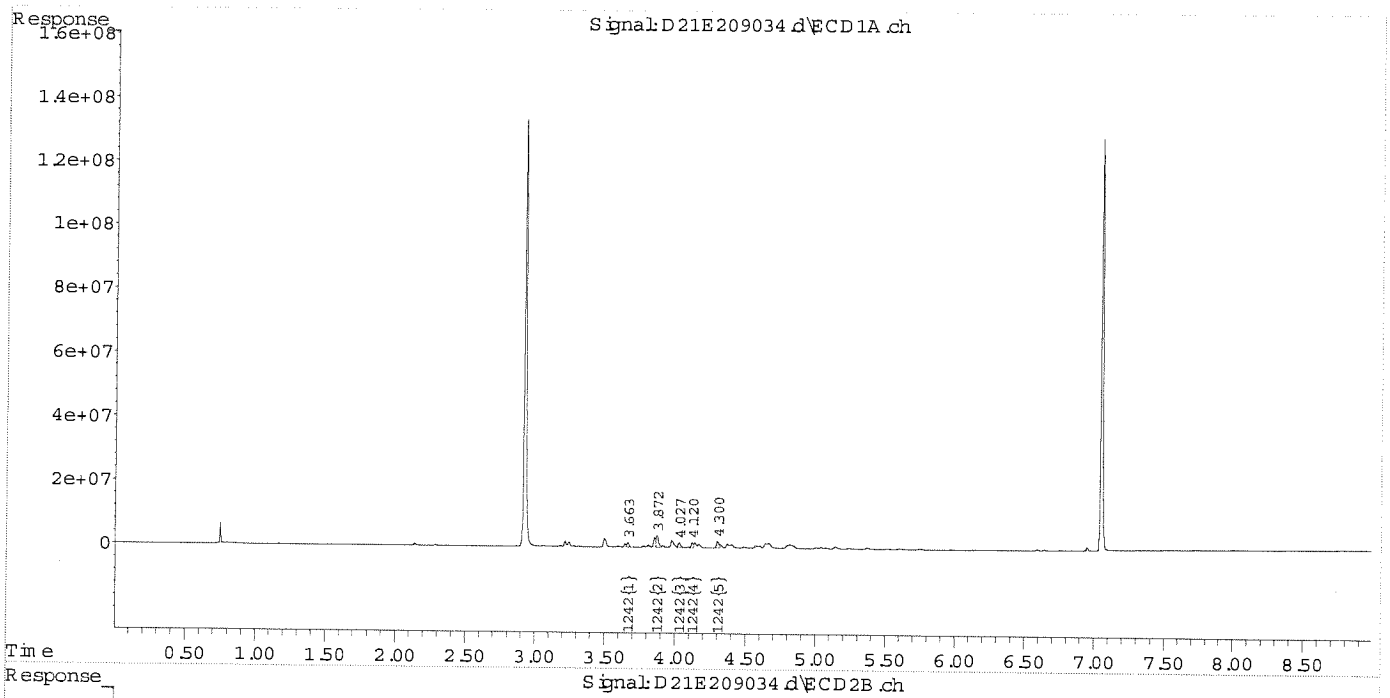


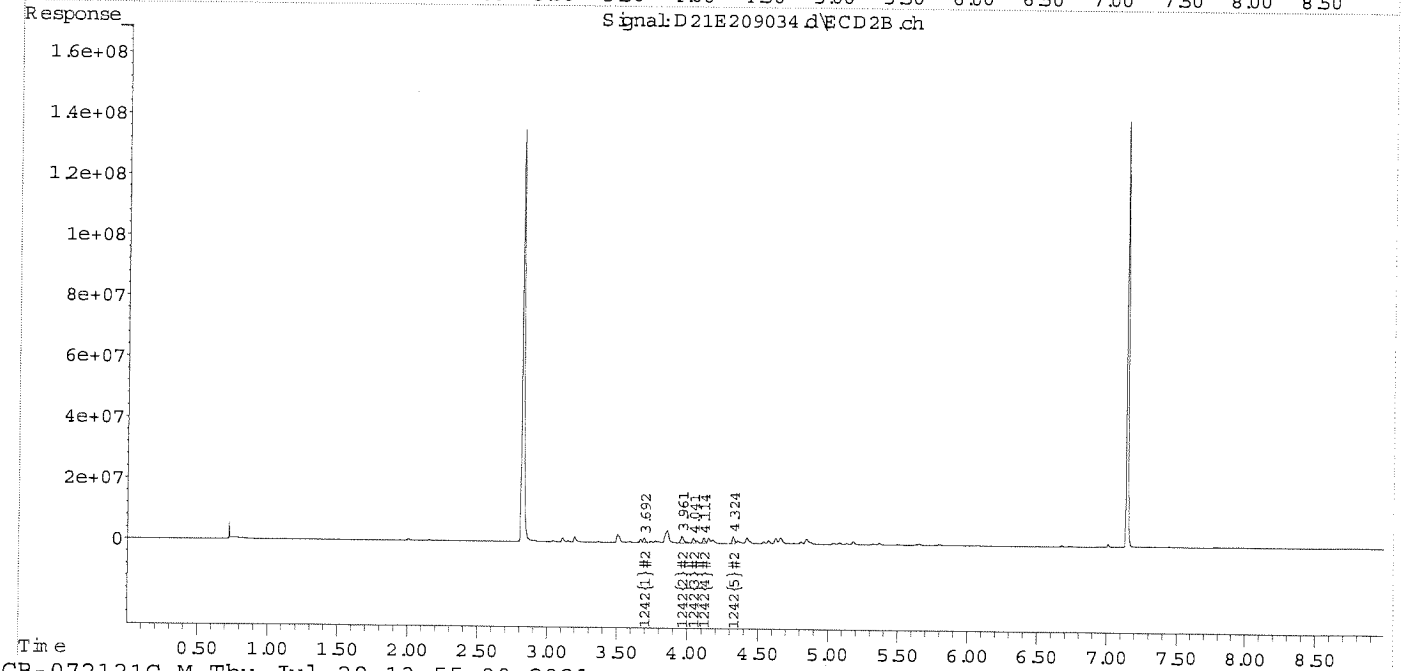
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209034.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:13 pm
Operator : JMB
Sample : 1242 100 Inst : ECD 4
Misc : mix[14]
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:19 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



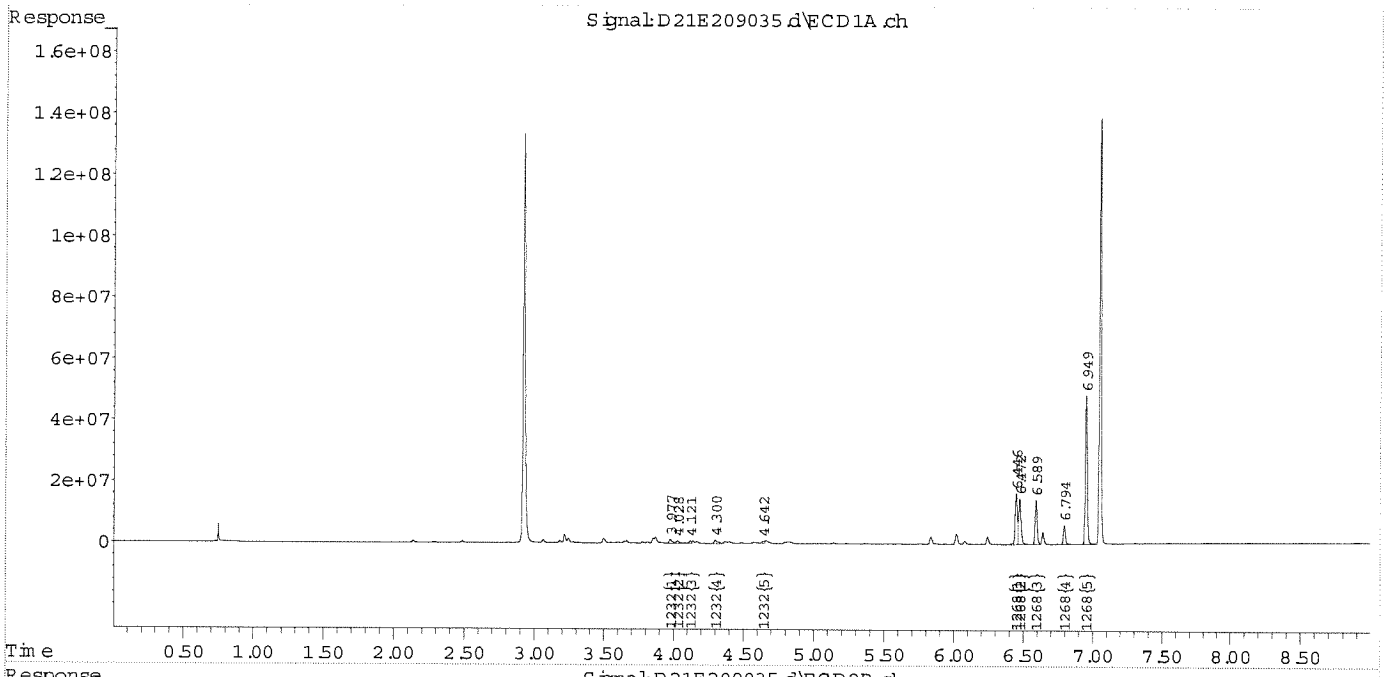


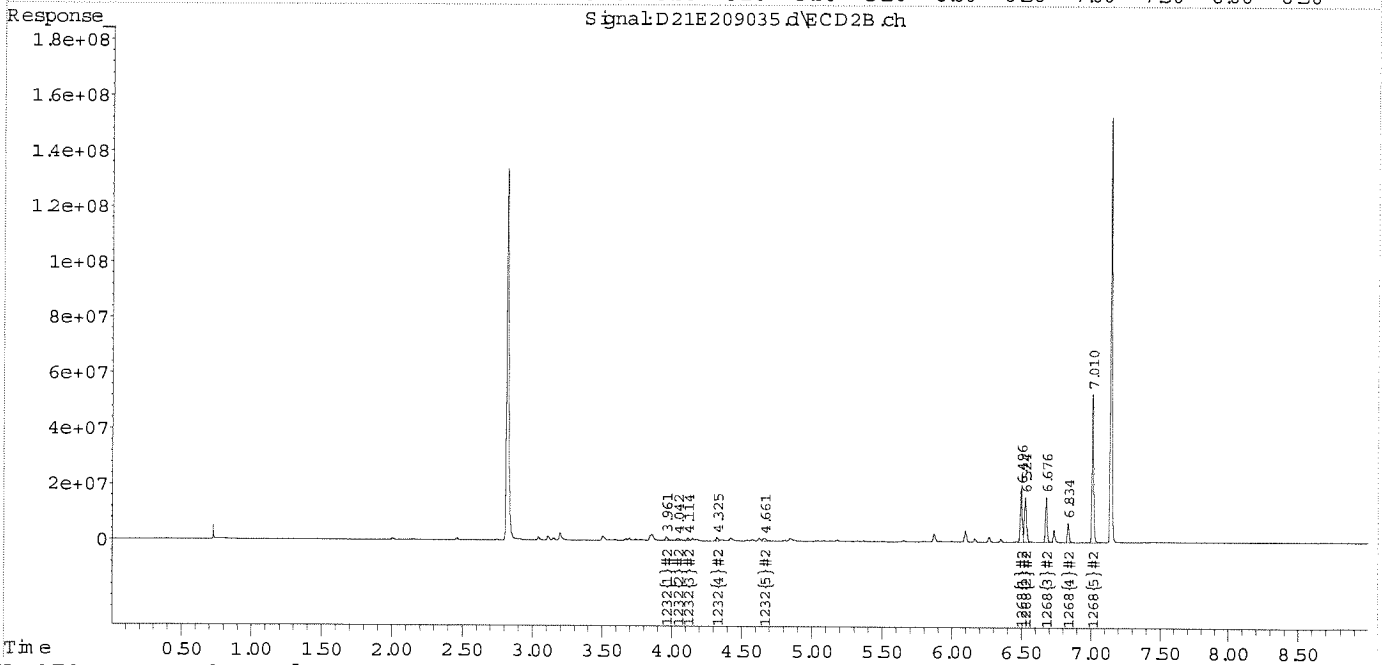
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209035.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:26 pm
Operator : JMB
Sample : 1232/1268 100 Inst : ECD 4
Misc : mix[13,19]
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:24 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



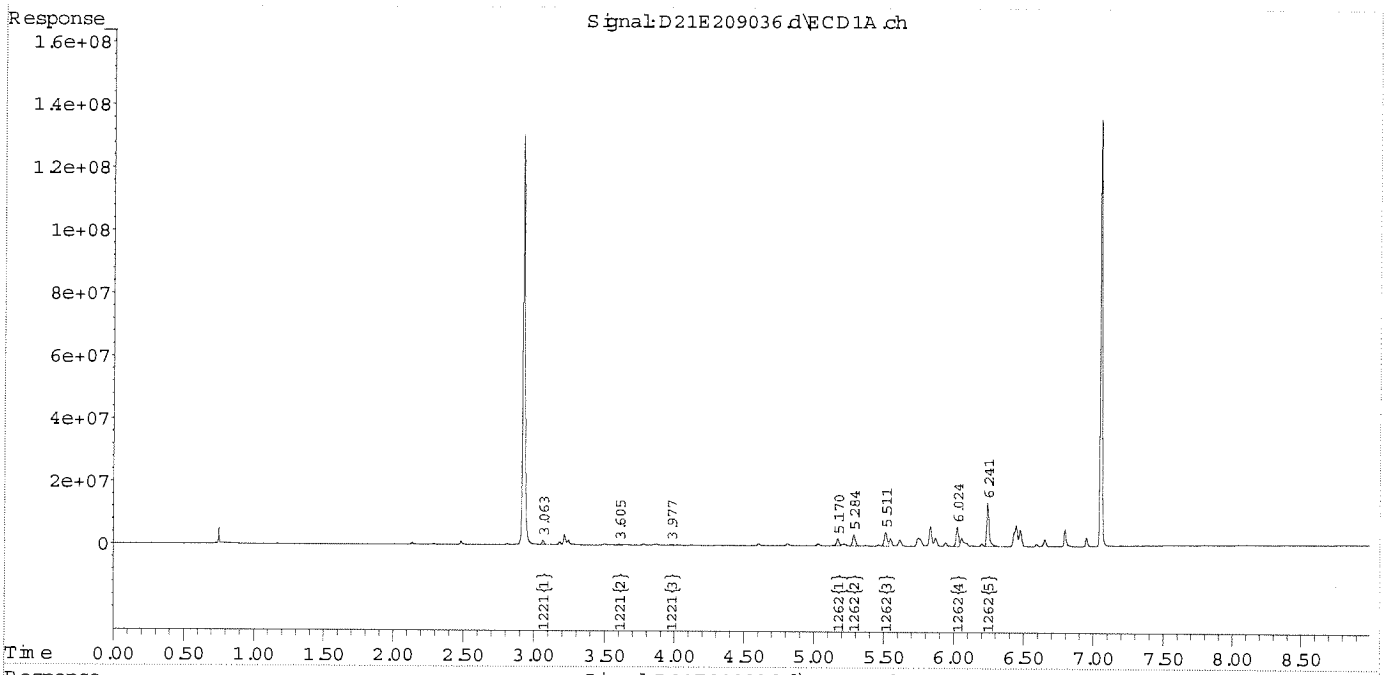


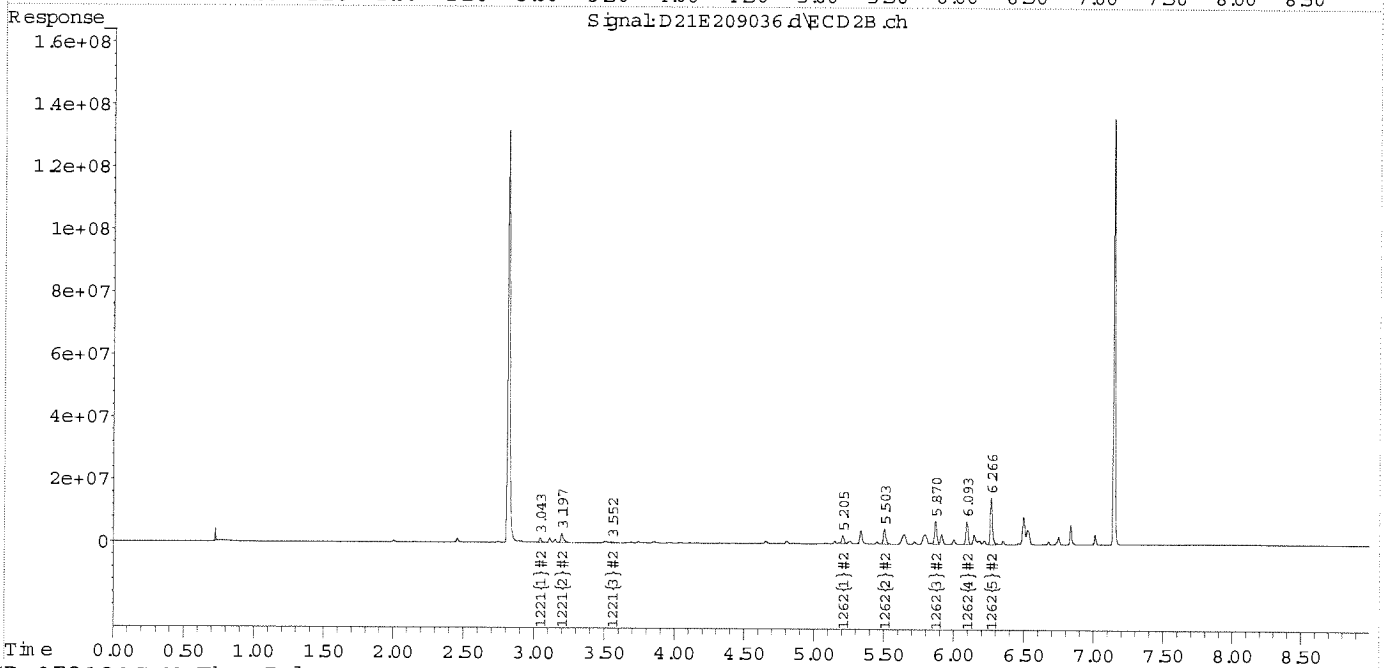
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209036.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:39 pm
Operator : JMB
Sample : 1221/1262 100 Inst : ECD 4
Misc : mix[l2,l8]
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:29 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Building D

Bulk and Substrate Data

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July 29, 2021

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

Project Location: 52 Institute Rd., Burlington, VT (Bldg D)
Client Job Number:
Project Number: 280BS01563 Task 7
Laboratory Work Order Number: 21G0818

Enclosed are results of analyses for samples received by the laboratory on July 15, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kaitlyn A. Feliciano
Project Manager

Table of Contents

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: Jesse Stratton

REPORT DATE: 7/29/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Task 7

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21G0818

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

PROJECT LOCATION: 52 Institute Rd., Burlington, VT (Bldg D)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
210223.D2050.137-1340	21G0818-01	Product/Solid		SW-846 8082A	
210223.D2050.137-1341	21G0818-02	Product/Solid		SW-846 8082A	

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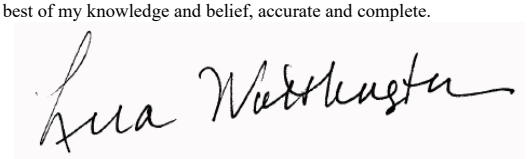
CASE NARRATIVE SUMMARY

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

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: 52 Institute Rd., Burlington, VT (Sample Description: Work Order: 21G0818

Date Received: 7/15/2021

Field Sample #: 210223.D2050.137-1340 Sampled: 2/23/2021 09:20

Sample ID: 21G0818-01

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	0.49	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 22:15	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 22:15	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 22:15	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 22:15	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 22:15	TG
Aroclor-1254 [1]	2.5	0.49	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 22:15	TG
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 22:15	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 22:15	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 22:15	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.7	30-150		7/28/21 22:15
Decachlorobiphenyl [2]	85.2	30-150		7/28/21 22:15
Tetrachloro-m-xylene [1]	102	30-150		7/28/21 22:15
Tetrachloro-m-xylene [2]	105	30-150		7/28/21 22:15

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Project Location: 52 Institute Rd., Burlington, VT (Sample Description: Work Order: 21G0818

Date Received: 7/15/2021

Field Sample #: 210223.D2050.137-1341 Sampled: 2/23/2021 10:09

Sample ID: 21G0818-02

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	0.40	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 22:33	TG
Aroclor-1221 [1]	ND	0.40	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 22:33	TG
Aroclor-1232 [1]	ND	0.40	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 22:33	TG
Aroclor-1242 [1]	ND	0.40	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 22:33	TG
Aroclor-1248 [1]	ND	0.40	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 22:33	TG
Aroclor-1254 [1]	0.53	0.40	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 22:33	TG
Aroclor-1260 [1]	ND	0.40	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 22:33	TG
Aroclor-1262 [1]	ND	0.40	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 22:33	TG
Aroclor-1268 [1]	ND	0.40	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 22:33	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.8	30-150		7/28/21 22:33
Decachlorobiphenyl [2]	76.4	30-150		7/28/21 22:33
Tetrachloro-m-xylene [1]	55.2	30-150		7/28/21 22:33
Tetrachloro-m-xylene [2]	56.6	30-150		7/28/21 22:33

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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
21G0818-01 [210223.D2050.137-1340]	B286167	2.03	10.0	07/16/21
21G0818-02 [210223.D2050.137-1341]	B286167	1.26	5.00	07/16/21

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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 B286167 - SW-846 3540C										
Blank (B286167-BLK1)				Prepared: 07/16/21 Analyzed: 07/28/21						
Aroclor-1016	ND	0.097	mg/Kg							
Aroclor-1016 [2C]	ND	0.097	mg/Kg							
Aroclor-1221	ND	0.097	mg/Kg							
Aroclor-1221 [2C]	ND	0.097	mg/Kg							
Aroclor-1232	ND	0.097	mg/Kg							
Aroclor-1232 [2C]	ND	0.097	mg/Kg							
Aroclor-1242	ND	0.097	mg/Kg							
Aroclor-1242 [2C]	ND	0.097	mg/Kg							
Aroclor-1248	ND	0.097	mg/Kg							
Aroclor-1248 [2C]	ND	0.097	mg/Kg							
Aroclor-1254	ND	0.097	mg/Kg							
Aroclor-1254 [2C]	ND	0.097	mg/Kg							
Aroclor-1260	ND	0.097	mg/Kg							
Aroclor-1260 [2C]	ND	0.097	mg/Kg							
Aroclor-1262	ND	0.097	mg/Kg							
Aroclor-1262 [2C]	ND	0.097	mg/Kg							
Aroclor-1268	ND	0.097	mg/Kg							
Aroclor-1268 [2C]	ND	0.097	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.858*		mg/Kg	0.971		88.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.832*		mg/Kg	0.971		85.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.815*		mg/Kg	0.971		83.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.839*		mg/Kg	0.971		86.4	30-150			
LCS (B286167-BS1)				Prepared: 07/16/21 Analyzed: 07/28/21						
Aroclor-1016	0.84	0.098	mg/Kg	0.976		85.6	40-140			
Aroclor-1016 [2C]	0.82	0.098	mg/Kg	0.976		84.2	40-140			
Aroclor-1260	0.72	0.098	mg/Kg	0.976		73.3	40-140			
Aroclor-1260 [2C]	0.71	0.098	mg/Kg	0.976		72.3	40-140			
Surrogate: Decachlorobiphenyl	*0.819*		mg/Kg	0.976		84.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.793*		mg/Kg	0.976		81.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.818*		mg/Kg	0.976		83.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.843*		mg/Kg	0.976		86.4	30-150			
LCS Dup (B286167-BSD1)				Prepared: 07/16/21 Analyzed: 07/28/21						
Aroclor-1016	0.81	0.099	mg/Kg	0.990		81.5	40-140	3.54	30	
Aroclor-1016 [2C]	0.78	0.099	mg/Kg	0.990		78.9	40-140	5.06	30	
Aroclor-1260	0.65	0.099	mg/Kg	0.990		66.0	40-140	9.08	30	
Aroclor-1260 [2C]	0.65	0.099	mg/Kg	0.990		66.0	40-140	7.60	30	
Surrogate: Decachlorobiphenyl	*0.736*		mg/Kg	0.990		74.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.715*		mg/Kg	0.990		72.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.780*		mg/Kg	0.990		78.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.799*		mg/Kg	0.990		80.7	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210223.D2050.137-1340

Lab Sample ID: 21G0818-01 Date(s) Analyzed: 07/28/2021 07/28/2021

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-1254	1	0.000	0.000	0.000	2.5	
	2	0.000	0.000	0.000	1.9	27.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210223.D2050.137-1341

Lab Sample ID: 21G0818-02

Date(s) Analyzed: 07/28/2021 07/28/2021

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-1254	1	0.000	0.000	0.000	0.53	
	2	0.000	0.000	0.000	0.49	7.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B286167-BS1 Date(s) Analyzed: 07/28/2021 07/28/2021

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	0.84	
	2	0.000	0.000	0.000	0.82	2.4
Aroclor-1260	1	0.000	0.000	0.000	0.72	
	2	0.000	0.000	0.000	0.71	1.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B286167-BSD1 Date(s) Analyzed: 07/28/2021 07/28/2021

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	0.81	
	2	0.000	0.000	0.000	0.78	3.8
Aroclor-1260	1	0.000	0.000	0.000	0.65	
	2	0.000	0.000	0.000	0.65	0.0

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

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.

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	03/1/2022
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	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
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	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

21G0818

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

Page __1__ of __1__

Company Name: [redacted]
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980
Project Name: [redacted]
Project Location: 52 Institue Road, Burlington, Vermont
Project Number: 280BS01563
Project Manager: Andra Liberty
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: J. Adams, K. Paritz

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

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	EPA Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
1 210223.D	2050.137-1340	2/23/21	0920	Grab	O	U		1				✓	✓
2 210223.D	2050.137-1341	2/23/21	1009	Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓

² Preservation Code

Courier Use Only
Total Number Of:
VIALS ____
GLASS (2)
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)

Relinquished by: (signature) [signature]	Date/Time: 7/14/21/1345
Received by: (signature) [signature]	Date/Time: 7/14/21 1345
Relinquished by: (signature) [signature]	Date/Time: 7/15 1625
Received by: (signature) [signature]	Date/Time: 7/15/21 1625
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

Lab 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

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

con-test® ANALYTICAL LABORATORY

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 7/15/21 Time 1625

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

Direct from Sampling _____ Ambient _____ Melted Ice _____

By Gun # 5 Actual Temp - 2.0

Were samples within Temperature? 2-6°C T 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	2
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:

PREPARATION BENCH SHEET

Printed: 7/16/2021 12:33:12PM

Analysis
8082 Soxhlet

B286167

t, a Pace Analytical Laboratory

7/1/21

pared using: SW-846 3540C

Surrogate Solution
2107069 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

TG 7/29/21

(* change for 21G0816-02)

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B286167-BLK1	Blank			AAM 7/22/21		~~10.0~~ 2.06 G	G G 10		1000		
B286167-BS1	LCS					~~10.0~~ 2.05 G	G G	1000	1000		
B286167-BSD1	LCS Dup					~~10.0~~ 2.02 G	G G	1000	1000		
B286167-MS1	Matrix Spike [21G0816-01] *			AAM 7/22/21		2.03		1000	1000		
B286167-MSD1	Matrix Spike Dup [21G0816-01] *					2.09		1000	1000		
21G0816-01	210712.E2050.138-1342 3A	07/29/21	07/26/21			2.01			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0816-02	210712.E2050.138-1343	07/29/21	07/26/21			2.02			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0816-03	210702.E2051.138-1344	07/29/21	07/16/21			0.20	1.0		~~1000~~ 160	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0816-04	210702.E2051.138-1345	07/29/21	07/16/21			0.46	2.0		~~1000~~ 200	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0817-01	210712.F2050.138-1346	07/29/21	07/26/21			2.07	10		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0817-02	210712.F2050.138-1347	07/29/21	07/26/21			2.09			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0818-01	210223.D2050.137-1340	07/29/21	03/09/21			2.03			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0818-02	210223.D2050.137-1341	07/29/21	03/09/21			1.26	5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0819-01	210702.C2050.137-1336	07/29/21	07/16/21	AAM 7/22/21		1.67	~~T~~ 5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10

Page 17 of 27

(*) GG KMC (Wit) 7/16/2021
Spiked by/Witnessed By Date

GGG 07/16/2021
Extracted By Date

Loaded 071821 #4 TG
Prepped 071821 TR

ELMNT\Print\bch_DEF_EXT_TAT.rpt

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PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B286167

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 7/16/2021 12:33:12PM

Surrogate Solution
2107069 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
21G0819-02	210702.C2050.137-1337	07/29/21	07/16/21	AAM 7/22/21		1.35	~~1.0~~ 5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0819-03	210702.C2051.137-1338	07/29/21	07/16/21			0.50	2.0		~~1000~~ 200	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0819-04	210702.C2051.137-1339	07/29/21	07/16/21			1.00	5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-01	210702.B2050.137-1332	07/29/21	07/16/21			0.45	2.0		~~1000~~ 200	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-02	210702.B2050.137-1333	07/29/21	07/16/21			2.02	10		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-03	210702.B2051.137-1334	07/29/21	07/16/21			2.03	"		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-04	210702.B2051.137-1335	07/29/21	07/16/21			2.02	"		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0821-01	210702.A2050.137-1330	07/29/21	07/16/21			0.09	1.0		~~1000~~ 100	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0821-02	210702.A2050.137-1331	07/29/21	03/10/21			1.72	5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10

kedby/Witnessed By Date

Extracted By Date

LMNT\Print\bch_DEF_EXT_TAT.rpt

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B286167

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 7/16/2021 12:33:12PM

Surrogate Solution
2107069 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Start Date/Time:
Stop Date/Time:
SPK: OAH
Start Date/Time 07/16/21 @ 16:12
WIT: PTK
StopDate/Time 7/17/21 ~~17~~ 12:10

Standard ID#	Description	Manufacture Lot#
2105200	Hexanes 95%	207414
2106532	Sodium Sulfate (Drum 45.5kg)	0000282237
2106615	Acetone	210382
2107002	Distilled Solvent Hexanes:Acetone	2:1 Hexanes:Ace
2107003	Distilled Solvent - MeCl2	DCM/ACE
2107023	Filter Paper (Fisher) 15.0cm	17275732

kedby/Witnessed By Date

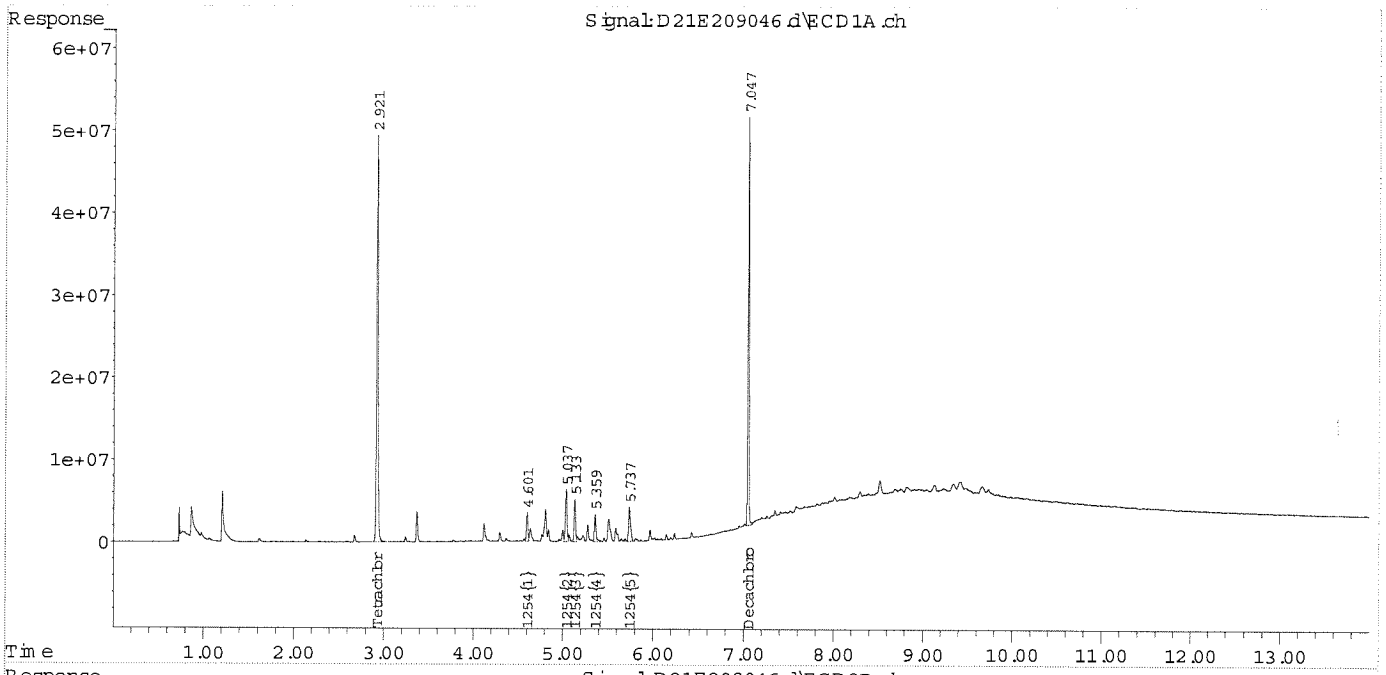
Extracted By Date

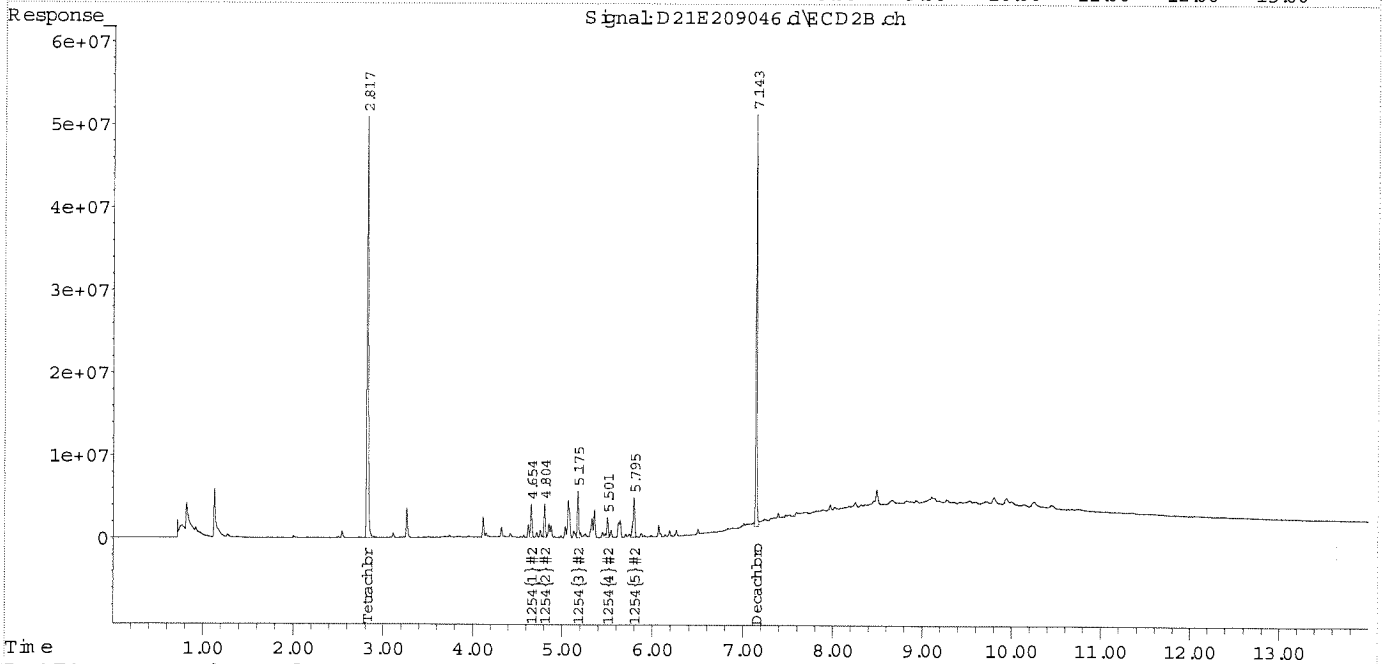
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209046.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 10:15 pm
Operator : JMB
Sample : 21G0818-01@5X TBA Inst : ECD 4
Misc :
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 08:44:22 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCBLONG.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



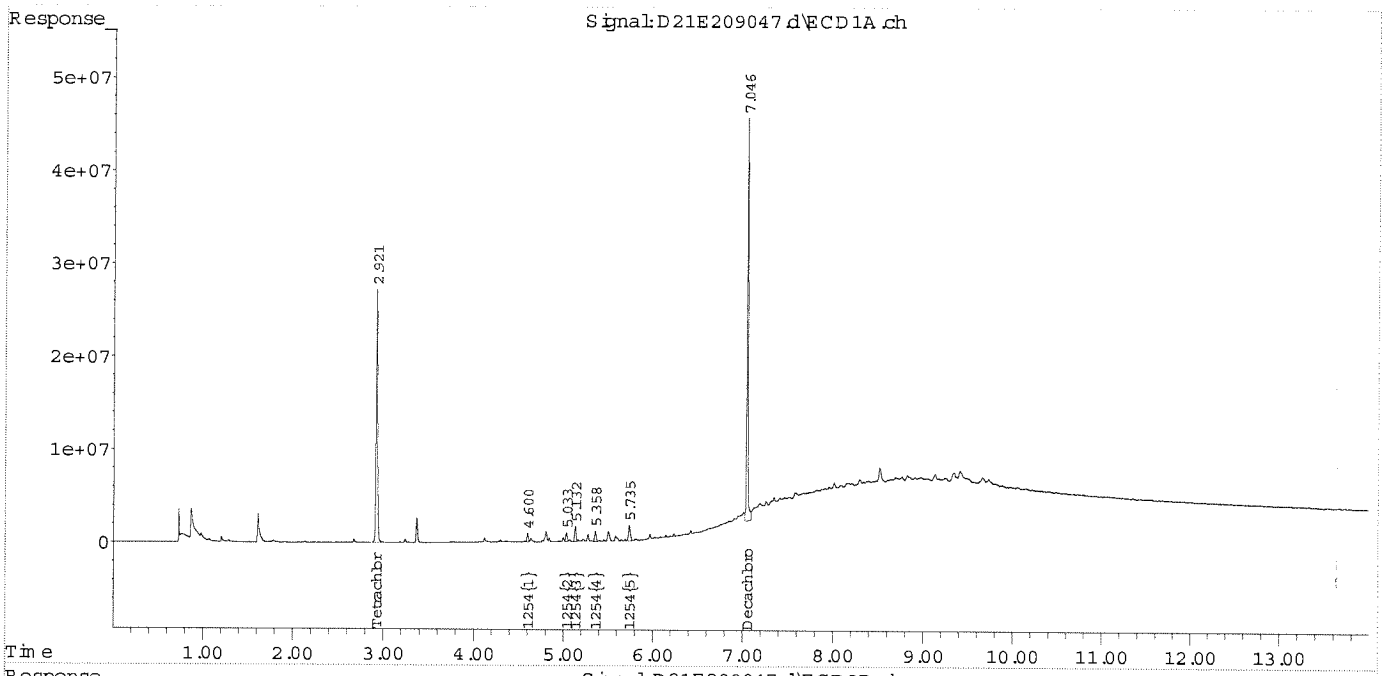


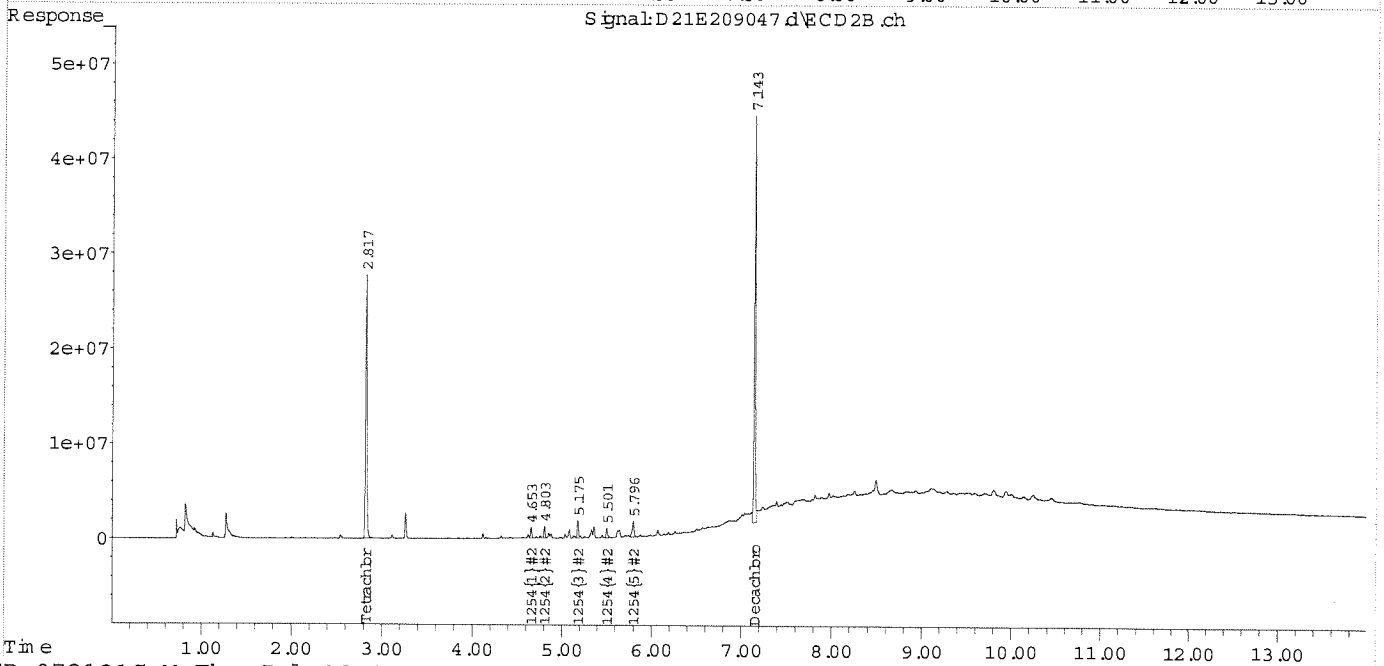
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209047.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 10:33 pm
Operator : JMB
Sample : 21G0818-02@5X TBA Inst : ECD 4
Misc :
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 08:49:14 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCBLONG.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



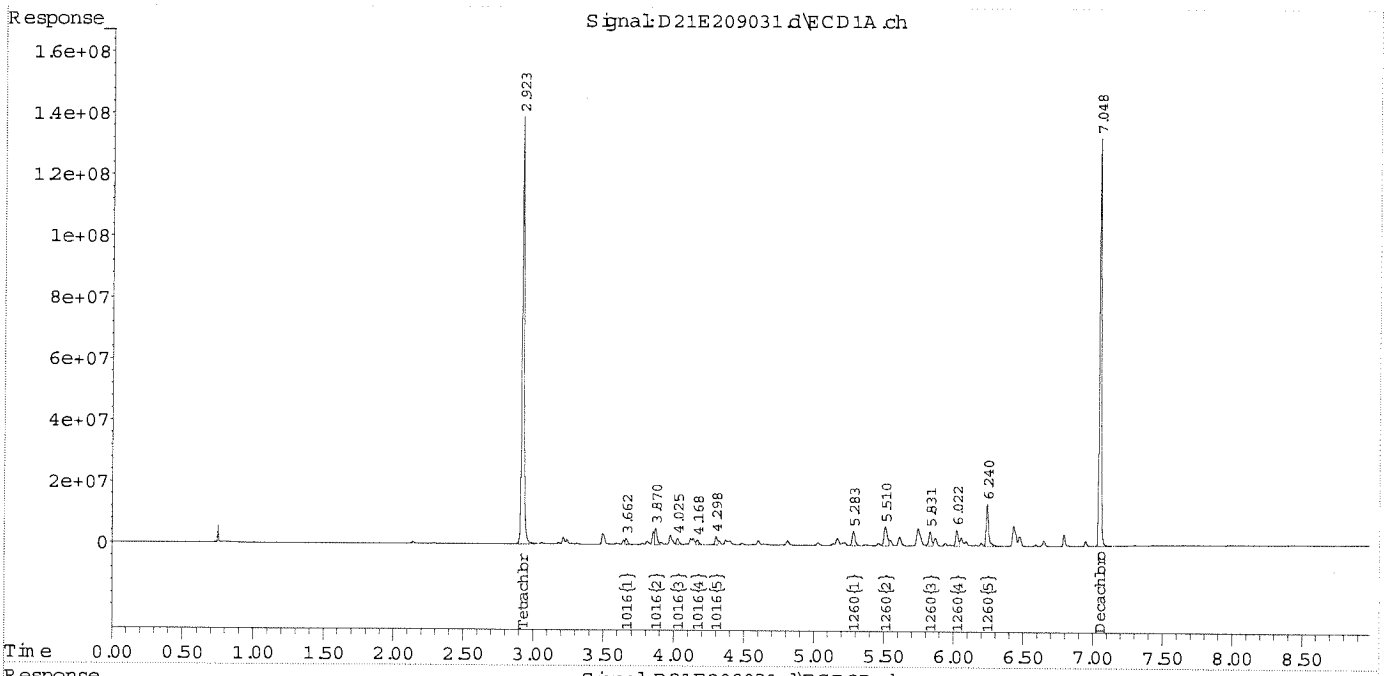


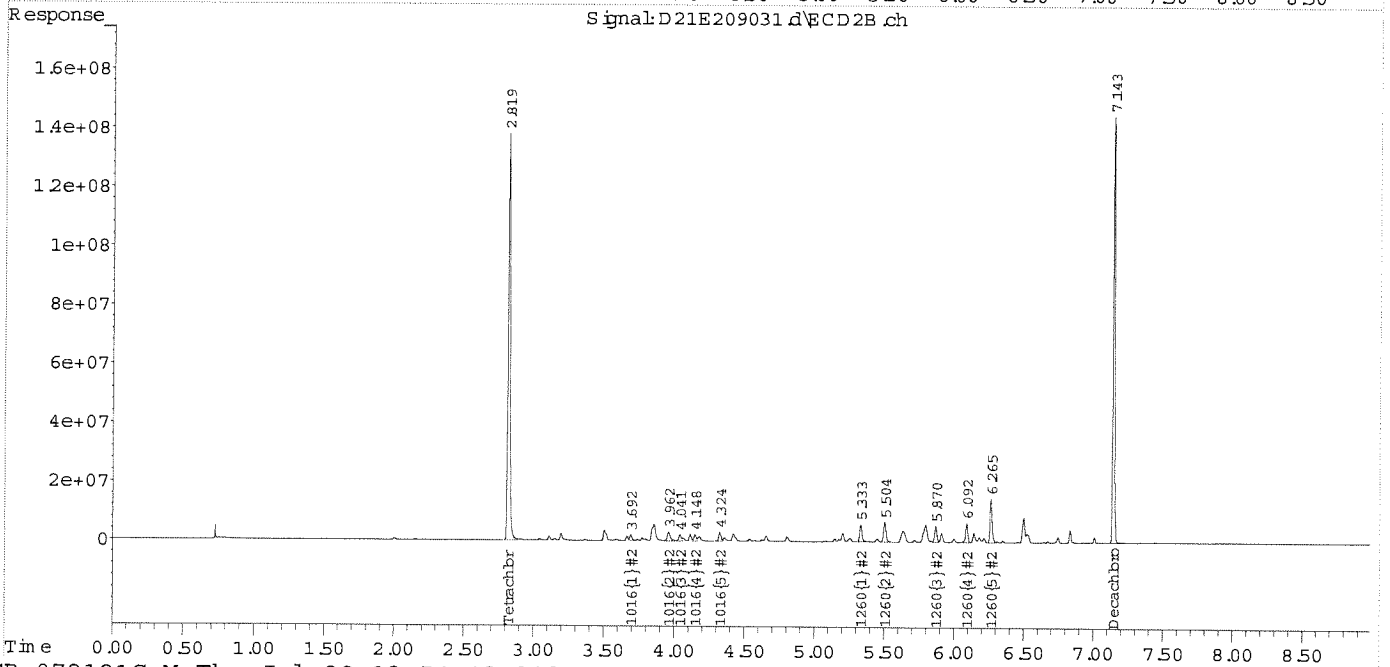
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209031.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 6:35 pm
Operator : JMB
Sample : 1260/1016 100 Inst : ECD 4
Misc : mix[s,l1,l7]
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 08:31:01 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029!
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



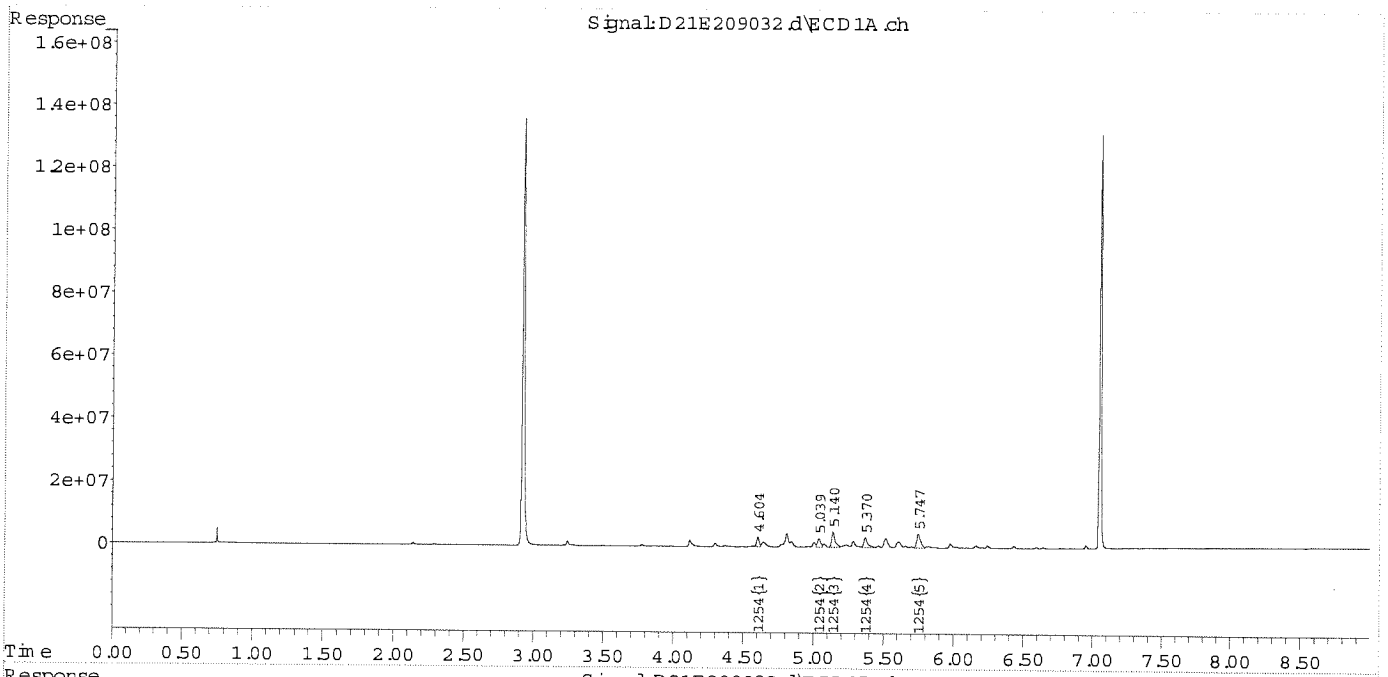


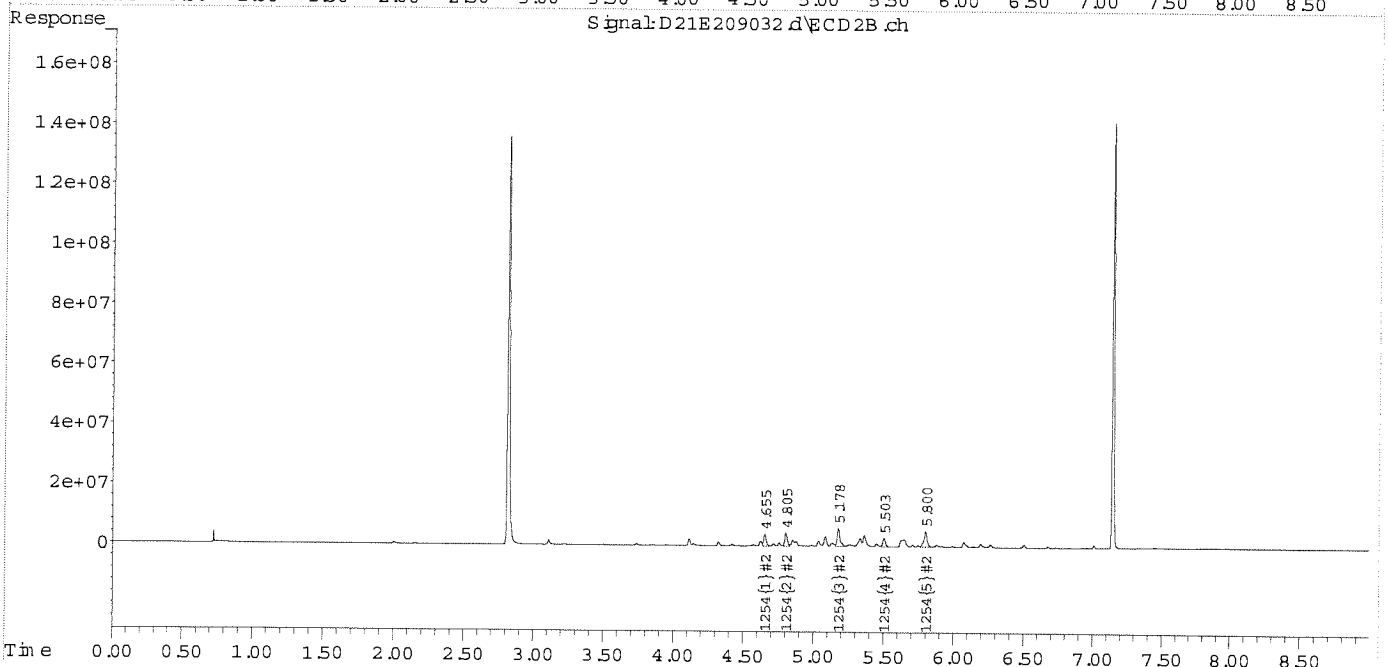
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209032.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 6:48 pm
Operator : JMB
Sample : 1254 100 Inst : ECD 4
Misc : mix[16]
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:09 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



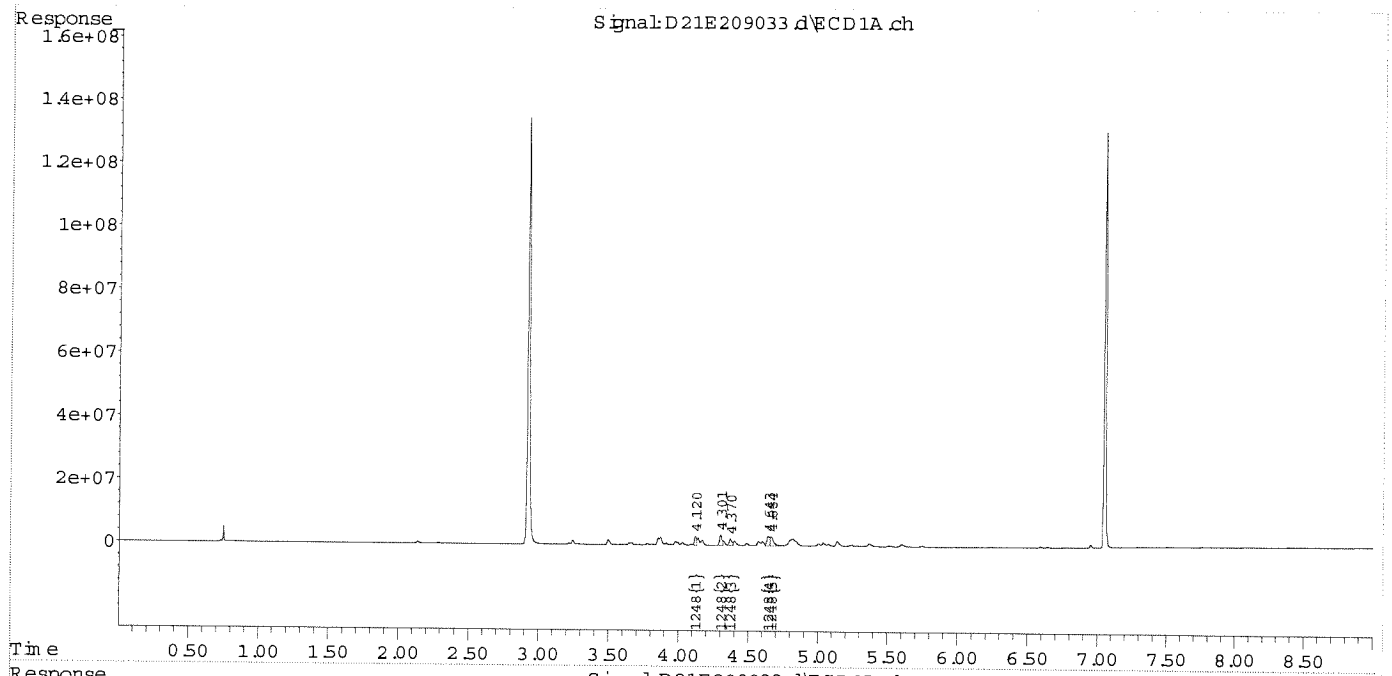


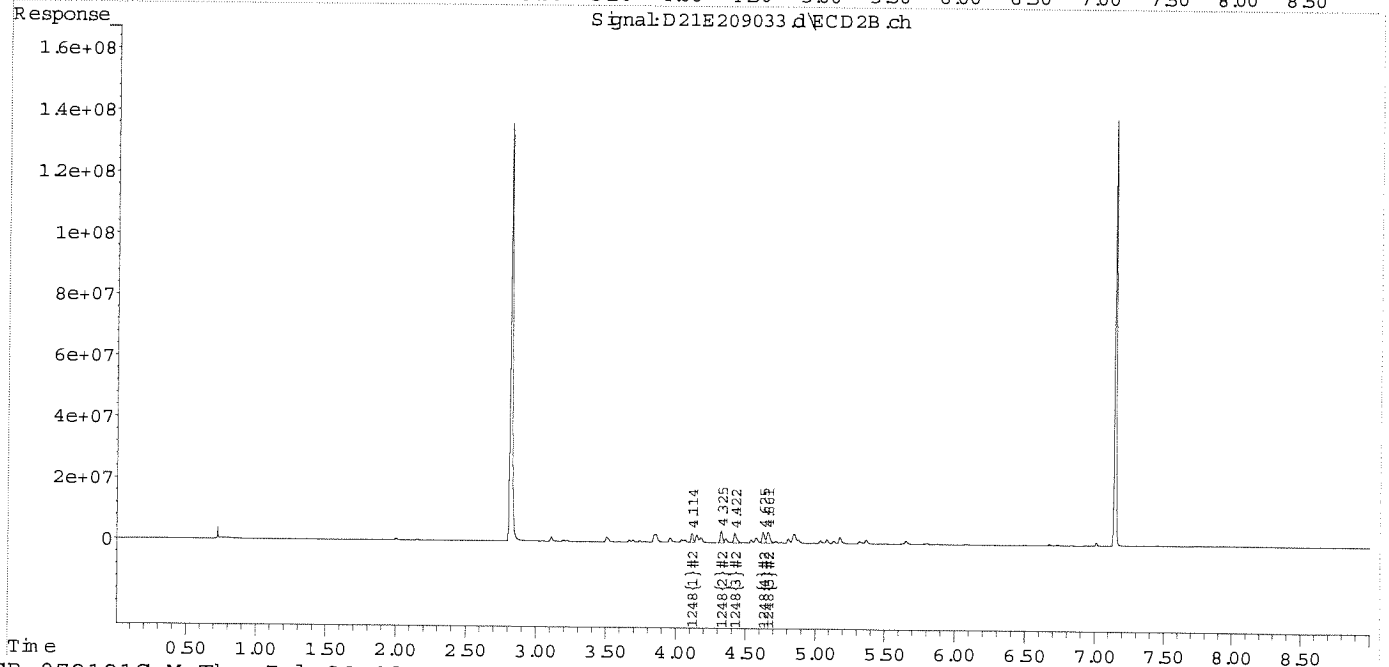
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209033.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:01 pm
Operator : JMB
Sample : 1248 100 Inst : ECD 4
Misc : mix[15]
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:14 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



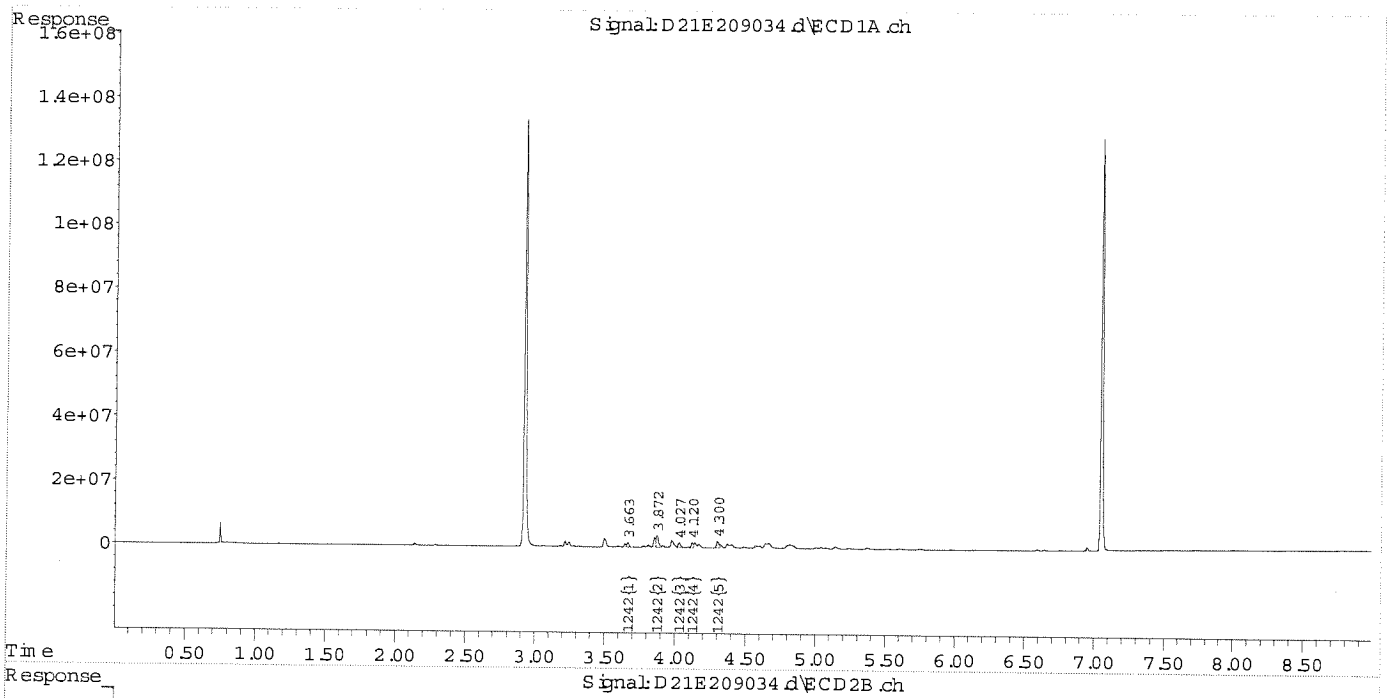


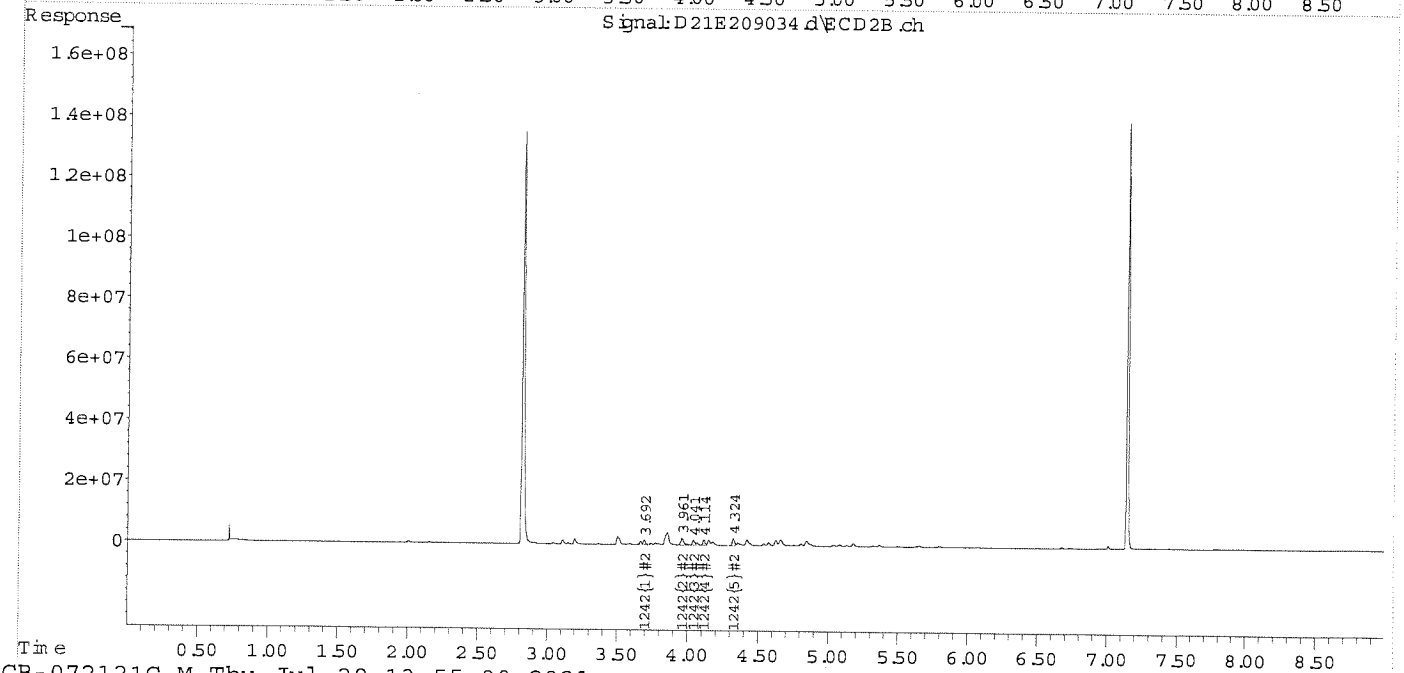
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209034.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:13 pm
Operator : JMB
Sample : 1242 100 Inst : ECD 4
Misc : mix[14]
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:19 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



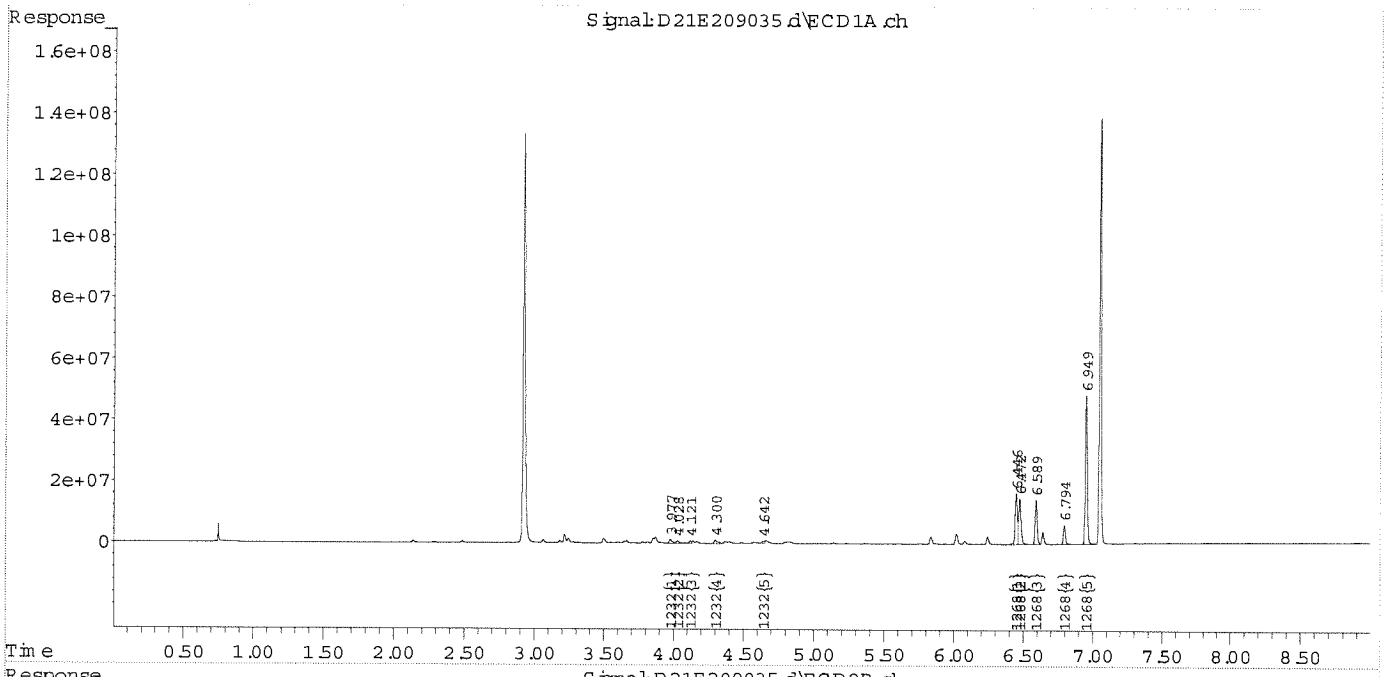


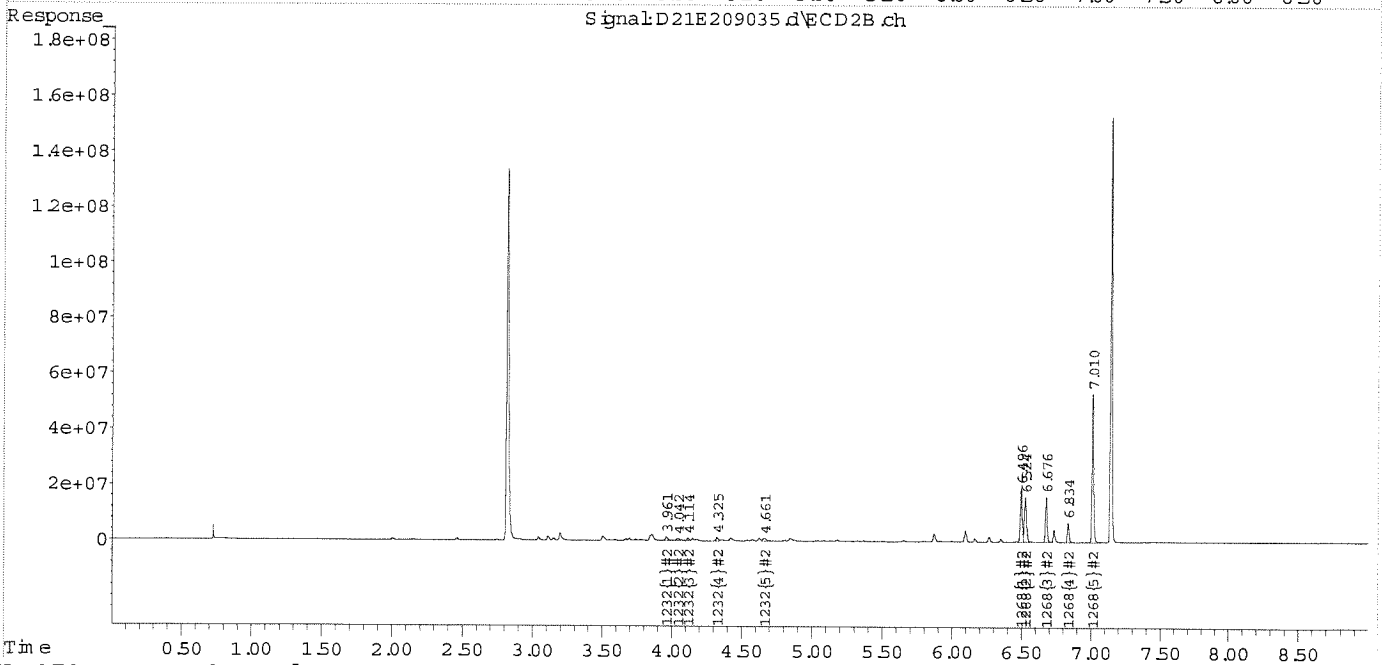
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209035.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:26 pm
Operator : JMB
Sample : 1232/1268 100 Inst : ECD 4
Misc : mix[13,19]
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:24 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



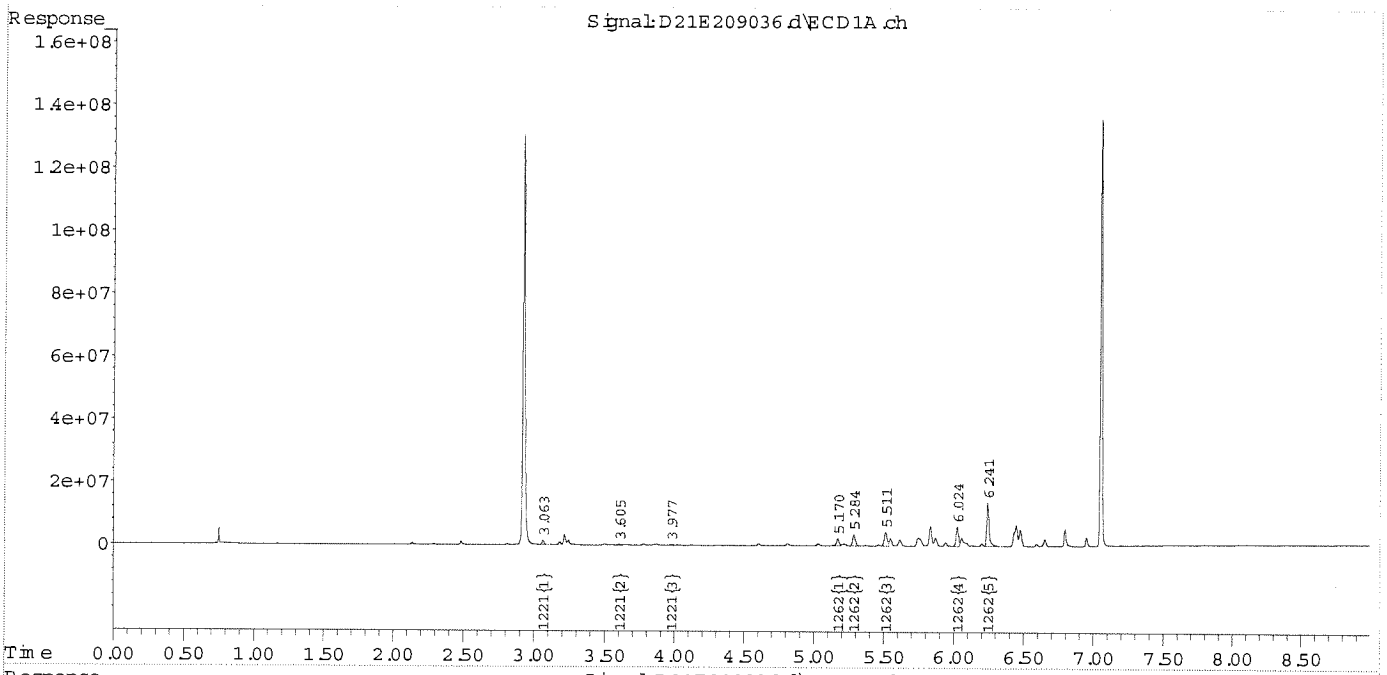


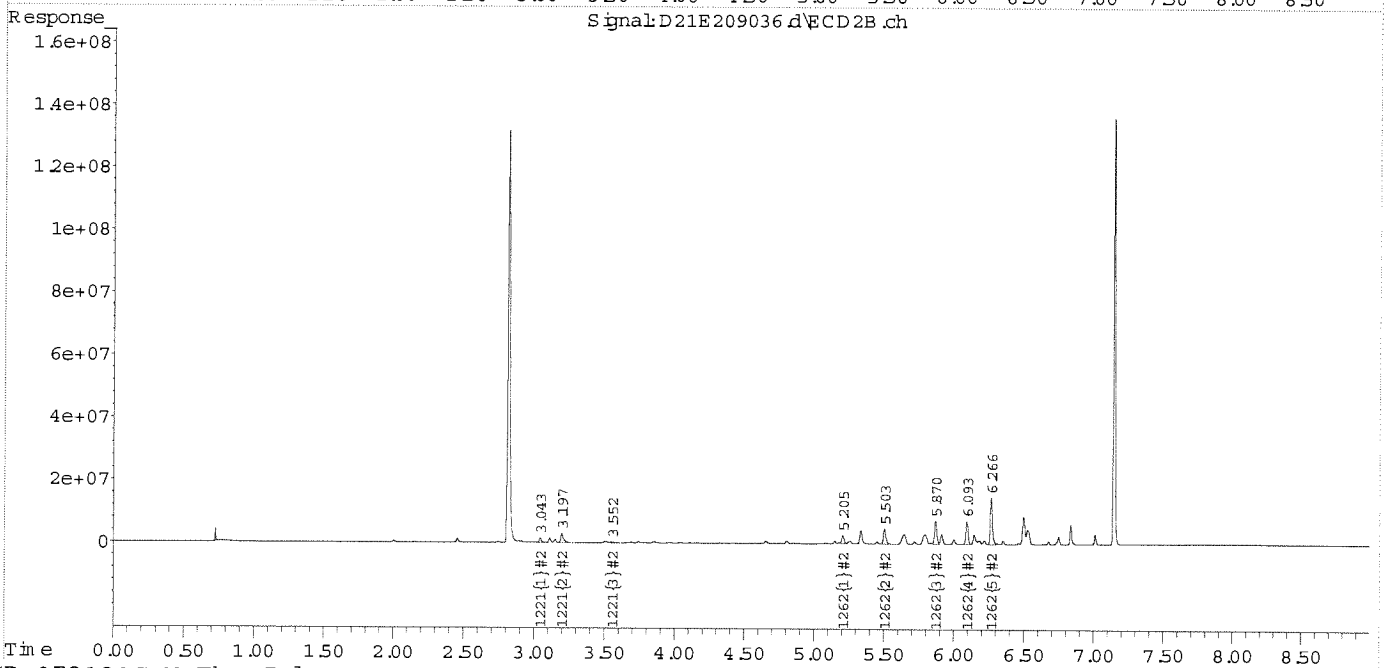
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209036.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:39 pm
Operator : JMB
Sample : 1221/1262 100 Inst : ECD 4
Misc : mix[l2,l8]
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:29 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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August 2, 2021

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

Project Location: 52 Institute Road, Burlington, VT
Client Job Number:
Project Number: 280BS01563 Task 7
Laboratory Work Order Number: 21G1518

Enclosed are results of analyses for samples received by the laboratory on July 27, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kaitlyn A. Feliciano
Project Manager

Table of Contents

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

REPORT DATE: 8/2/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Task 7

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21G1518

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

PROJECT LOCATION: 52 Institute Road, Burlington, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
210723.D2051.140-1349	21G1518-01	Product/Solid		SW-846 8082A	
210723.D2051.140-1350	21G1518-02	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:

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
21G1518-01[210723.D2051.140-1349]

Decachlorobiphenyl [2C]
21G1518-01[210723.D2051.140-1349]

Tetrachloro-m-xylene
21G1518-01[210723.D2051.140-1349]

Tetrachloro-m-xylene [2C]
21G1518-01[210723.D2051.140-1349]

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: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21G1518

Date Received: 7/27/2021

Field Sample #: 210723.D2051.140-1349 Sampled: 7/23/2021 10:35

Sample ID: 21G1518-01

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	4.9	mg/Kg	50		SW-846 8082A	7/29/21	7/31/21 22:53	TG
Aroclor-1221 [1]	ND	4.9	mg/Kg	50		SW-846 8082A	7/29/21	7/31/21 22:53	TG
Aroclor-1232 [1]	ND	4.9	mg/Kg	50		SW-846 8082A	7/29/21	7/31/21 22:53	TG
Aroclor-1242 [1]	ND	4.9	mg/Kg	50		SW-846 8082A	7/29/21	7/31/21 22:53	TG
Aroclor-1248 [2]	34	4.9	mg/Kg	50		SW-846 8082A	7/29/21	7/31/21 22:53	TG
Aroclor-1254 [1]	ND	4.9	mg/Kg	50		SW-846 8082A	7/29/21	7/31/21 22:53	TG
Aroclor-1260 [1]	ND	4.9	mg/Kg	50		SW-846 8082A	7/29/21	7/31/21 22:53	TG
Aroclor-1262 [1]	ND	4.9	mg/Kg	50		SW-846 8082A	7/29/21	7/31/21 22:53	TG
Aroclor-1268 [1]	ND	4.9	mg/Kg	50		SW-846 8082A	7/29/21	7/31/21 22:53	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	7/31/21 22:53
Decachlorobiphenyl [2]	*	30-150	S-01	7/31/21 22:53
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/31/21 22:53
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/31/21 22:53

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Project Location: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21G1518

Date Received: 7/27/2021

Field Sample #: 210723.D2051.140-1350 Sampled: 7/23/2021 10:45

Sample ID: 21G1518-02

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	0.97	mg/Kg	10		SW-846 8082A	7/29/21	7/31/21 23:10	TG
Aroclor-1221 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	7/29/21	7/31/21 23:10	TG
Aroclor-1232 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	7/29/21	7/31/21 23:10	TG
Aroclor-1242 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	7/29/21	7/31/21 23:10	TG
Aroclor-1248 [1]	5.1	0.97	mg/Kg	10		SW-846 8082A	7/29/21	7/31/21 23:10	TG
Aroclor-1254 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	7/29/21	7/31/21 23:10	TG
Aroclor-1260 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	7/29/21	7/31/21 23:10	TG
Aroclor-1262 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	7/29/21	7/31/21 23:10	TG
Aroclor-1268 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	7/29/21	7/31/21 23:10	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.0	30-150		7/31/21 23:10
Decachlorobiphenyl [2]	66.2	30-150		7/31/21 23:10
Tetrachloro-m-xylene [1]	84.8	30-150		7/31/21 23:10
Tetrachloro-m-xylene [2]	79.9	30-150		7/31/21 23:10

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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
21G1518-01 [210723.D2051.140-1349]	B287073	2.06	10.0	07/29/21
21G1518-02 [210723.D2051.140-1350]	B287073	2.06	10.0	07/29/21

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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 B287073 - SW-846 3540C										
Blank (B287073-BLK1)				Prepared: 07/29/21 Analyzed: 07/31/21						
Aroclor-1016	ND	0.098	mg/Kg							
Aroclor-1016 [2C]	ND	0.098	mg/Kg							
Aroclor-1221	ND	0.098	mg/Kg							
Aroclor-1221 [2C]	ND	0.098	mg/Kg							
Aroclor-1232	ND	0.098	mg/Kg							
Aroclor-1232 [2C]	ND	0.098	mg/Kg							
Aroclor-1242	ND	0.098	mg/Kg							
Aroclor-1242 [2C]	ND	0.098	mg/Kg							
Aroclor-1248	ND	0.098	mg/Kg							
Aroclor-1248 [2C]	ND	0.098	mg/Kg							
Aroclor-1254	ND	0.098	mg/Kg							
Aroclor-1254 [2C]	ND	0.098	mg/Kg							
Aroclor-1260	ND	0.098	mg/Kg							
Aroclor-1260 [2C]	ND	0.098	mg/Kg							
Aroclor-1262	ND	0.098	mg/Kg							
Aroclor-1262 [2C]	ND	0.098	mg/Kg							
Aroclor-1268	ND	0.098	mg/Kg							
Aroclor-1268 [2C]	ND	0.098	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.954*		mg/Kg	0.980		97.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.824*		mg/Kg	0.980		84.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.892*		mg/Kg	0.980		90.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.823*		mg/Kg	0.980		83.9	30-150			
LCS (B287073-BS1)				Prepared: 07/29/21 Analyzed: 07/31/21						
Aroclor-1016	0.79	0.098	mg/Kg	0.980		80.6	40-140			
Aroclor-1016 [2C]	0.81	0.098	mg/Kg	0.980		82.1	40-140			
Aroclor-1260	0.78	0.098	mg/Kg	0.980		79.7	40-140			
Aroclor-1260 [2C]	0.72	0.098	mg/Kg	0.980		73.6	40-140			
Surrogate: Decachlorobiphenyl	*0.957*		mg/Kg	0.980		97.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.826*		mg/Kg	0.980		84.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.863*		mg/Kg	0.980		88.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.790*		mg/Kg	0.980		80.6	30-150			
LCS Dup (B287073-BSD1)				Prepared: 07/29/21 Analyzed: 07/31/21						
Aroclor-1016	0.68	0.098	mg/Kg	0.976		70.0	40-140	14.6	30	
Aroclor-1016 [2C]	0.69	0.098	mg/Kg	0.976		71.2	40-140	14.7	30	
Aroclor-1260	0.65	0.098	mg/Kg	0.976		66.6	40-140	18.4	30	
Aroclor-1260 [2C]	0.60	0.098	mg/Kg	0.976		61.2	40-140	18.9	30	
Surrogate: Decachlorobiphenyl	*0.767*		mg/Kg	0.976		78.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.660*		mg/Kg	0.976		67.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.705*		mg/Kg	0.976		72.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.650*		mg/Kg	0.976		66.6	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210723.D2051.140-1349

Lab Sample ID: 21G1518-01 Date(s) Analyzed: 07/31/2021 07/31/2021

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-1248	1	0.000	0.000	0.000	31	
	2	0.000	0.000	0.000	34	9.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210723.D2051.140-1350

Lab Sample ID: 21G1518-02

Date(s) Analyzed: 07/31/2021 07/31/2021

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-1248	1	0.000	0.000	0.000	5.1	
	2	0.000	0.000	0.000	4.4	14.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B287073-BS1 Date(s) Analyzed: 07/31/2021 07/31/2021

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	0.79	
	2	0.000	0.000	0.000	0.81	2.5
Aroclor-1260	1	0.000	0.000	0.000	0.78	
	2	0.000	0.000	0.000	0.72	8.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B287073-BSD1 Date(s) Analyzed: 07/31/2021 07/31/2021

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	0.68	
	2	0.000	0.000	0.000	0.69	1.5
Aroclor-1260	1	0.000	0.000	0.000	0.65	
	2	0.000	0.000	0.000	0.60	8.0

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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.
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.

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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	03/1/2022
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	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
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	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

21G1518

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
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 _1_ of _1_

Company Name: [redacted]
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980
Project Name: [redacted]
Project Location: 52 Institute Road, Burlington, Vermont
Project Number: 280BS01563
Project Manager: Andra Liberty
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: J. Adams, K. Paritz

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 ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	EPA Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
1	210723.D205-140-1349	7/23/2021	1035	Grab	O	U		1				✓	✓
2	210723.D205-140-1350	7/23/2021	1045	Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓

Signature	Date/Time
Relinquished by: (signature)	7/26/21 /1000
Received by: (signature)	7/27/21 945
Relinquished by: (signature)	7/27/21 1740
Received by: (signature) 3.0	7/27/21 1740
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS ___
GLASS 2
PLASTIC ___
BACTERIA ___
ENCORE ___

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N (N circled)
*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)

Lab 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_____

con-test® ANALYTICAL LABORATORY

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 [illegible] Date 4/27/21 Time 1740

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

Direct from Sampling _____ Ambient _____ Melted Ice _____

By Gun # 2 Actual Temp - 3.6

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

Was Custody Seal Intact? NA Were Samples Tampered with? NA

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? NA 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? NA Acid _____ Base _____

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	2
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:

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B287073

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 7/29/2021 5:22:41PM

Surrogate Solution
2107508 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Add-ons

8/2/21

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
B287073-BLK1	Blank			AAM 7/30/21	#1		10.0		1000	
B287073-BS1	LCS							1000	1000	
B287073-BSD1	LCS Dup							1000	1000	
B287073-MS1	Matrix Spike [21G1636-19]			AAM 7/30/21			10.0	1000	1000	
B287073-MSD1	Matrix Spike Dup [21G1636-19]							1000	1000	
21G1448-01	210723.A2051.140-1353	08/10/21	08/06/21	G 7/30/21	#7		10.0		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21G1448-02	210723.A2051.140-1354	08/10/21	08/06/21						1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21G1517-01	210723.F2051.140-1351	08/10/21	08/06/21						1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21G1517-02	210723.F2051.140-1352	08/10/21	08/06/21						1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21G1518-01	210723.D2051.140-1349	08/10/21	08/06/21						1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21G1518-02	210723.D2051.140-1350	08/10/21	08/06/21						1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21G1590-01	110-01-C-1	08/11/21	08/11/21				10.0		1000	
21G1636-19	T30-C1	08/03/21	08/11/21	AAM 7/30/21	#1		10.0		1000	
21G1636-20	T30-C2	08/03/21	08/11/21						1000	
21G1701-01	MH-VBC-102	08/02/21	08/12/21			2.03			1000	
21G1701-02	MH-VBC-103	08/02/21	08/12/21			2.03			1000	

SPK PTK — WH JCH — 07/29/2021
Spiked by/Witnessed By — Date

PTK — 07/29/2021
Extracted By — Date

Loaded #5 7/31/21
Prepped by JS 7.31

\ELMNT\Print\bch_DEF_EXT.rpt

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PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B287073

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 7/29/2021 5:22:41PM

Surrogate Solution
2107508 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Start Date/Time: 7/29/2021 @ 15:13
Stop Date/Time:
SPK: KMG
WIT: GGG

StartDate/Time 07/29/2021 @ 17:20

StopDate/Time 7/30/21 9:22

Standard ID#	Description	Manufacture Lot#
2106532	Sodium Sulfate (Drum 45.5kg)	0000282237
2106650	Hexanes 95%	207414
2107014	Filter Paper (Fisher) WH 2V 15CM	A29726631
2107378	Distilled Solvent - MeCl2	DCM/ACE
2107379	Acetone	212207
2107413	Distilled Solvent Hexanes:Acetone	2:1 Hexanes:Ace

Checked by/Witnessed By Date

Extracted By Date

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B287073

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 7/29/2021 2:10:59PM

Surrogate Solution
2107508 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B287073-BLK1	Blank					2.04			1000		
B287073-BS1	LCS					2.04		1000	1000		
B287073-BSD1	LCS Dup					2.05		1000	1000		
B287073-MS1	Matrix Spike [~~21G1448-01~~ 21G1636-19]					2.04		1000	1000		
B287073-MSD1	Matrix Spike Dup [~~21G1448-01~~ 21G1636-19]					2.04		1000	1000		
21G1448-01	210723.A2051.140-1353	08/10/21	08/06/21			2.07			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G1448-02	210723.A2051.140-1354	08/10/21	08/06/21			2.09			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G1517-01	210723.F2051.140-1351	08/10/21	08/06/21			2.02			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G1517-02	210723.F2051.140-1352	08/10/21	08/06/21			2.02			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G1518-01	210723.D2051.140-1349	08/10/21	08/06/21			2.06			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G1518-02	210723.D2051.140-1350	08/10/21	08/06/21			2.06			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G1590-01	110-01-C-1	08/11/21	08/11/21			2.05			1000		10
~~21G1636-19~~	T30-C1	08/03/21	08/11/21			2.03			1000		3
21G1636-20	T30-C2	08/03/21	08/11/21			2.05			1000		3

SPK KMC — GGG WTY — 7/29/2021
Checkedby/Witnessed By — Date

KMC — 7/29/2021
Extracted By — Date

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B287073

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 7/29/2021 2:10:59PM

Surrogate Solution
2107508 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Start Date/Time:
Stop Date/Time:
SPK Start Date/Time 7/29/2021 @ 15:13
WIT:
StopDate/Time 7/30/21 7:18

Standard ID#	Description	Manufacture Lot#
2106532	Sodium Sulfate (Drum 45.5kg)	0000282237
2106650	Hexanes 95%	207414
2107014	Filter Paper (Fisher) WH 2V 15CM	A29726631
2107378	Distilled Solvent - MeCl2	DCM/ACE
2107379	Acetone	212207
2107413	Distilled Solvent Hexanes:Acetone	2:1 Hexanes:Ace

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kedby/Witnessed By Date

Extracted By Date

ELMNT\Print\bch_DEF_EXT_TAT.rpt

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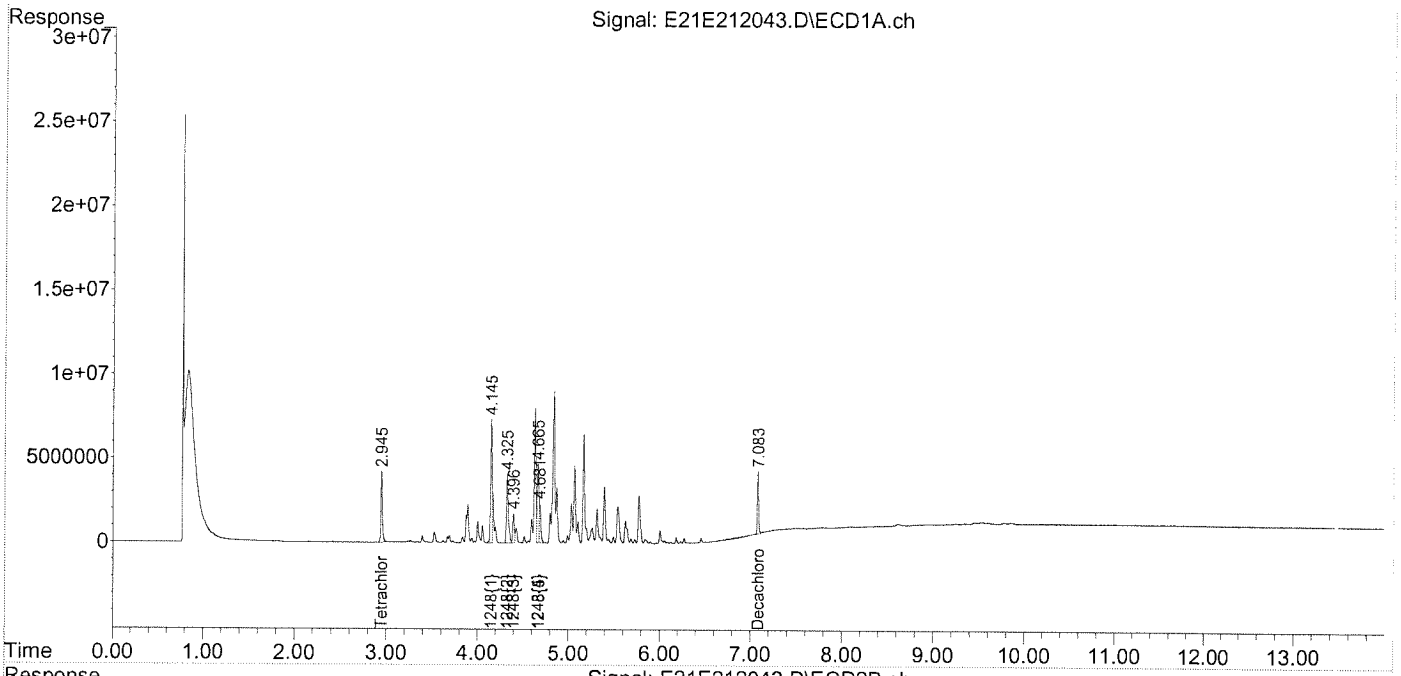
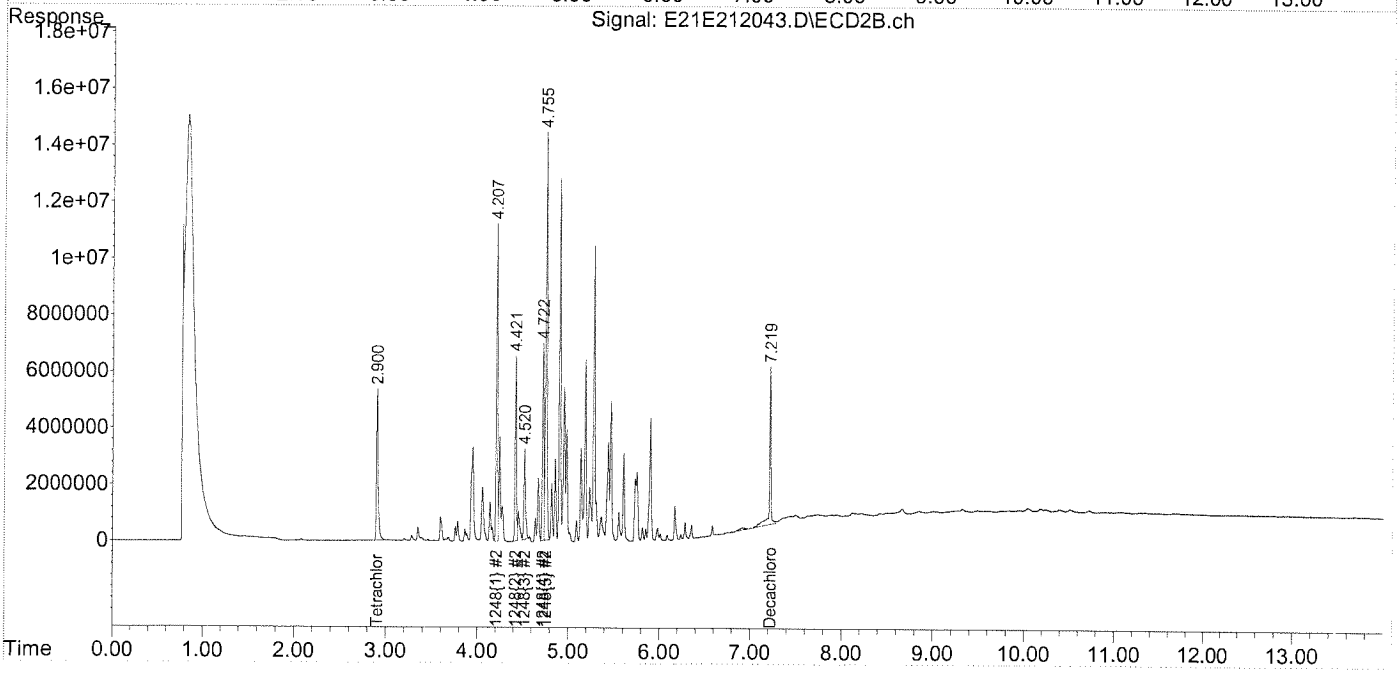
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 10:53 pm
Operator : JMB
Sample : 21G1518-01@50X TBA Inst : ECD 5
Misc :
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Aug 02 07:53:09 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



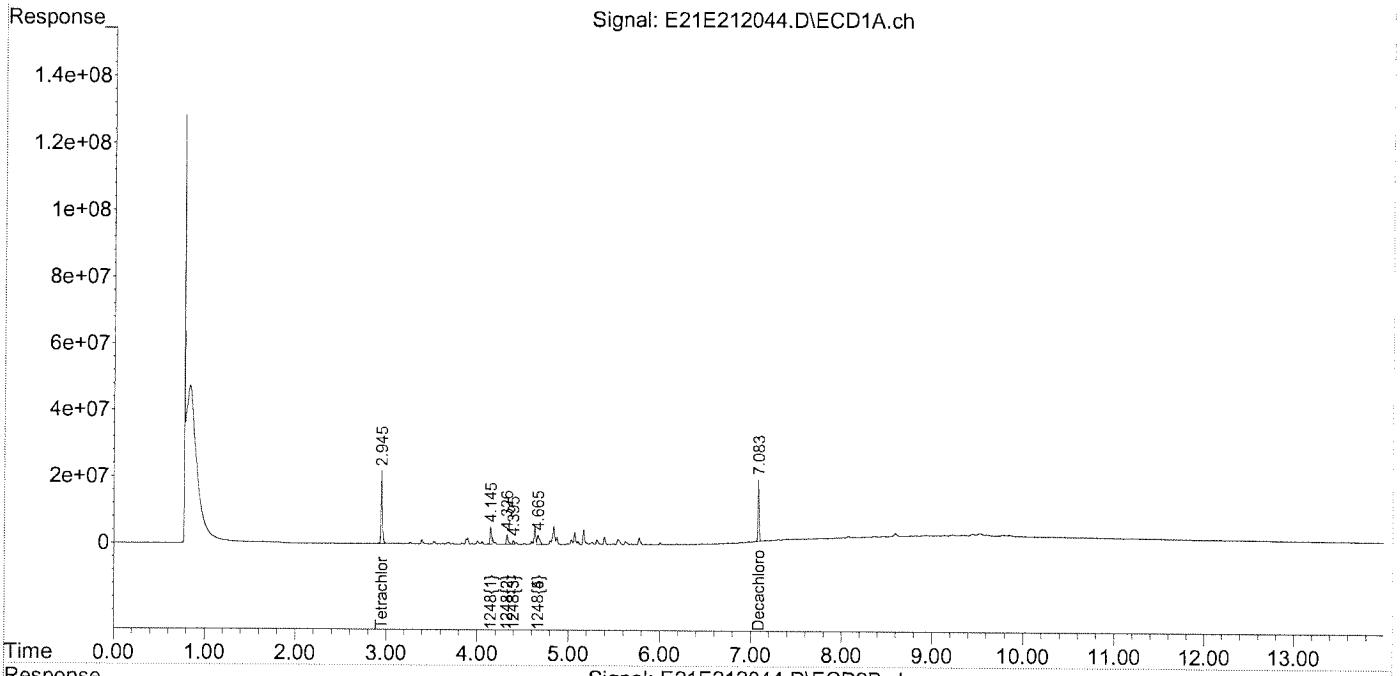


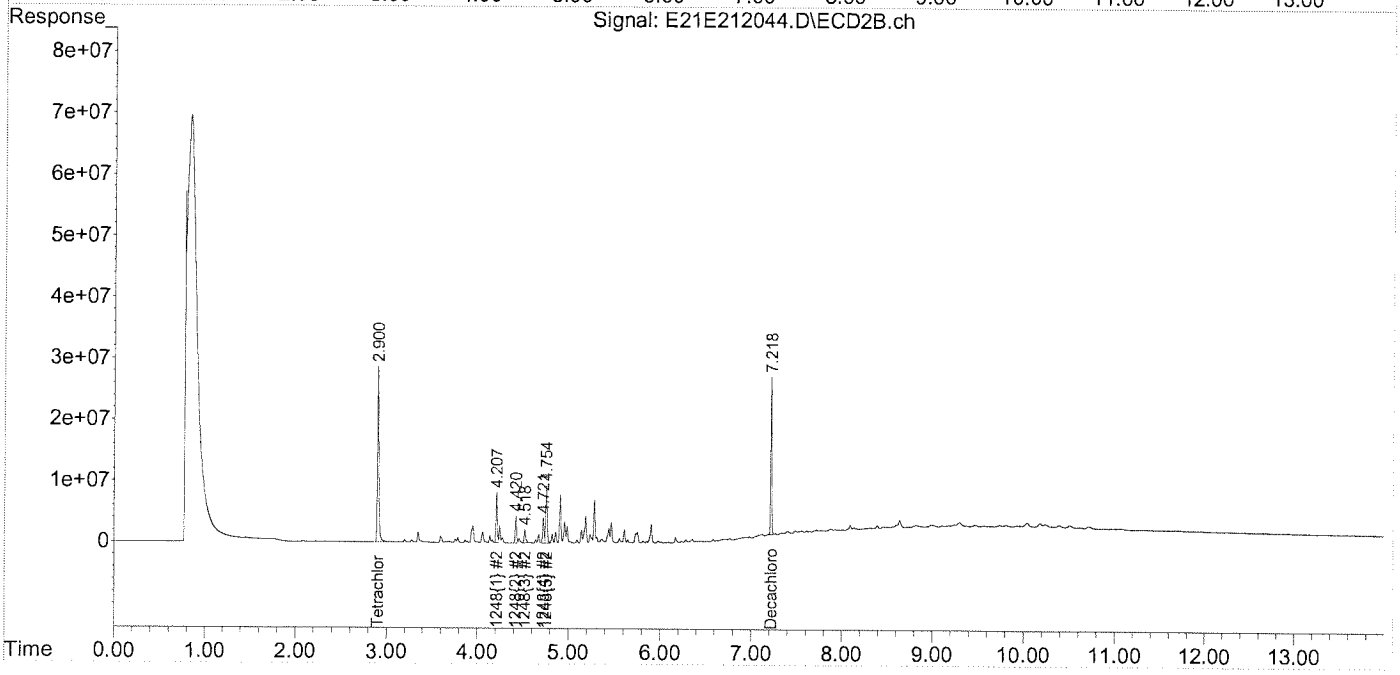
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212044.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 11:10 pm
Operator : JMB
Sample : 21G1518-02@10X TBA Inst : ECD 5
Misc :
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Aug 02 07:53:13 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



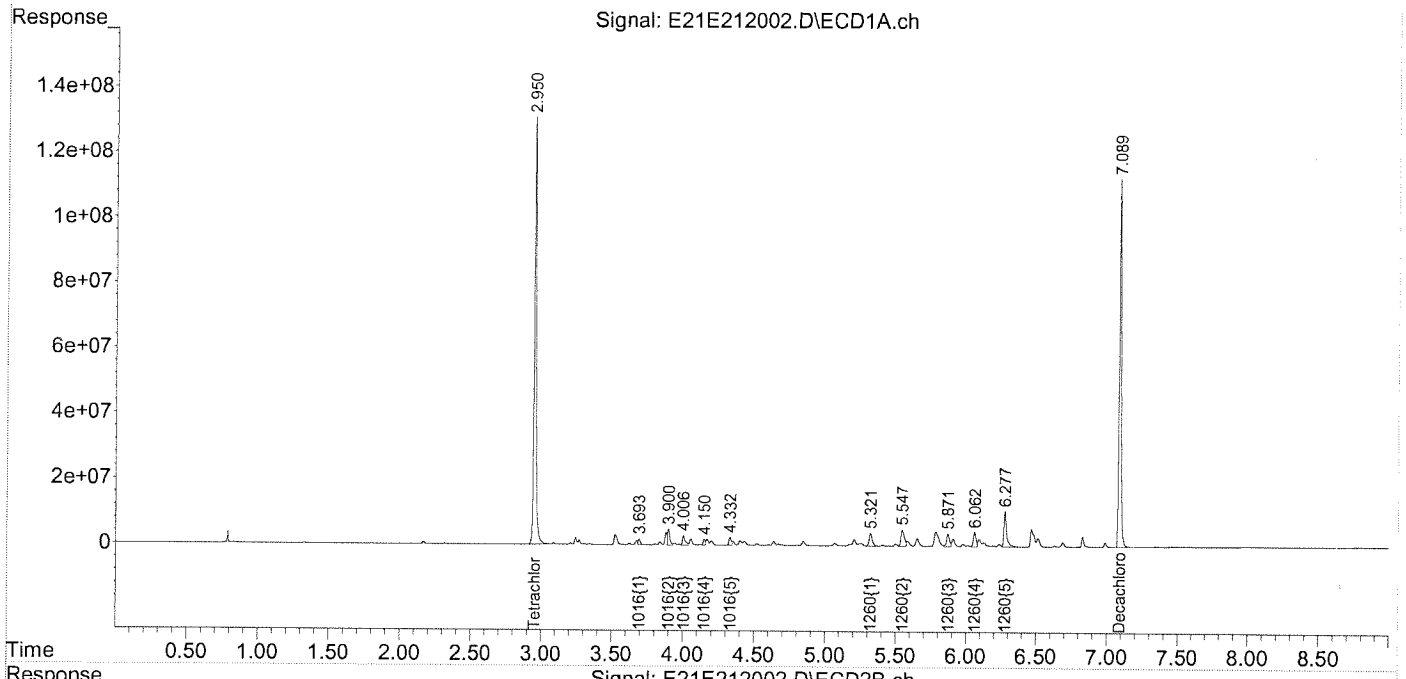


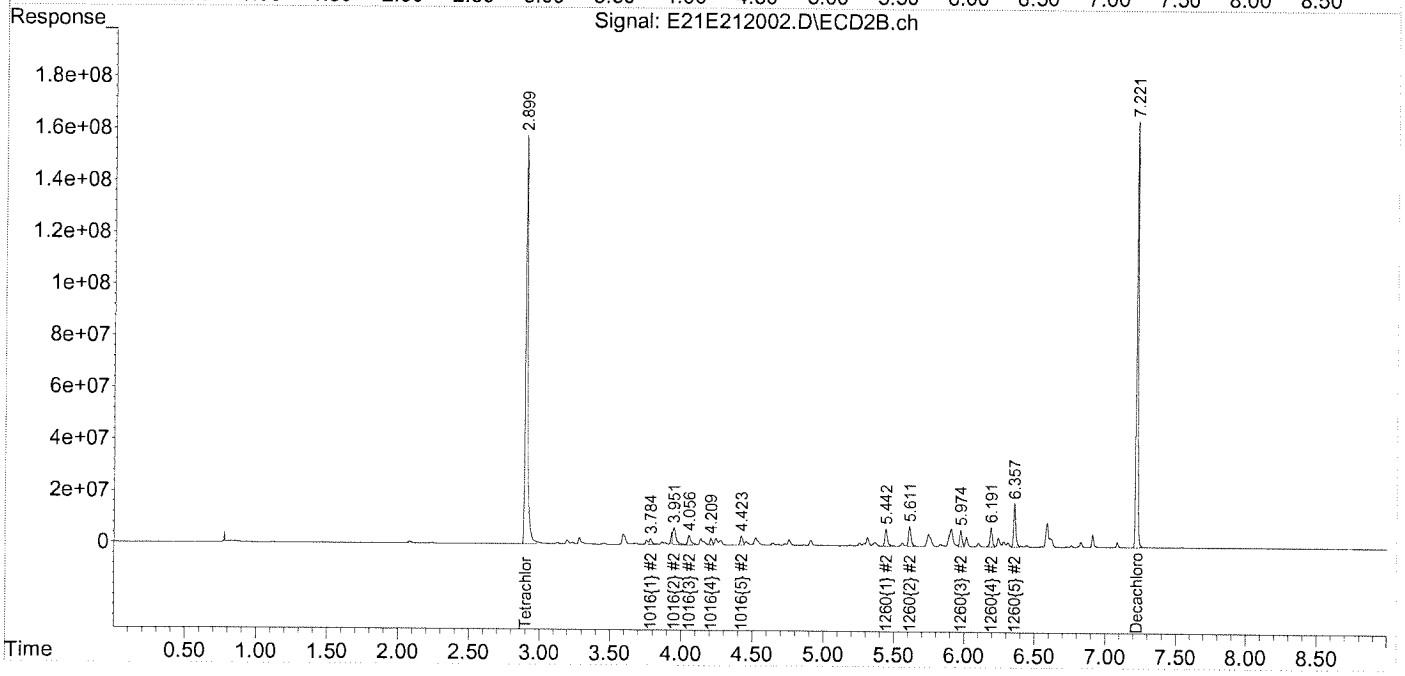
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 12:20 pm
Operator : JMB
Sample : 1260/1016 100 2105380 Inst : ECD 5
Misc : mix[s,l1,l7]
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 31 13:00:24 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



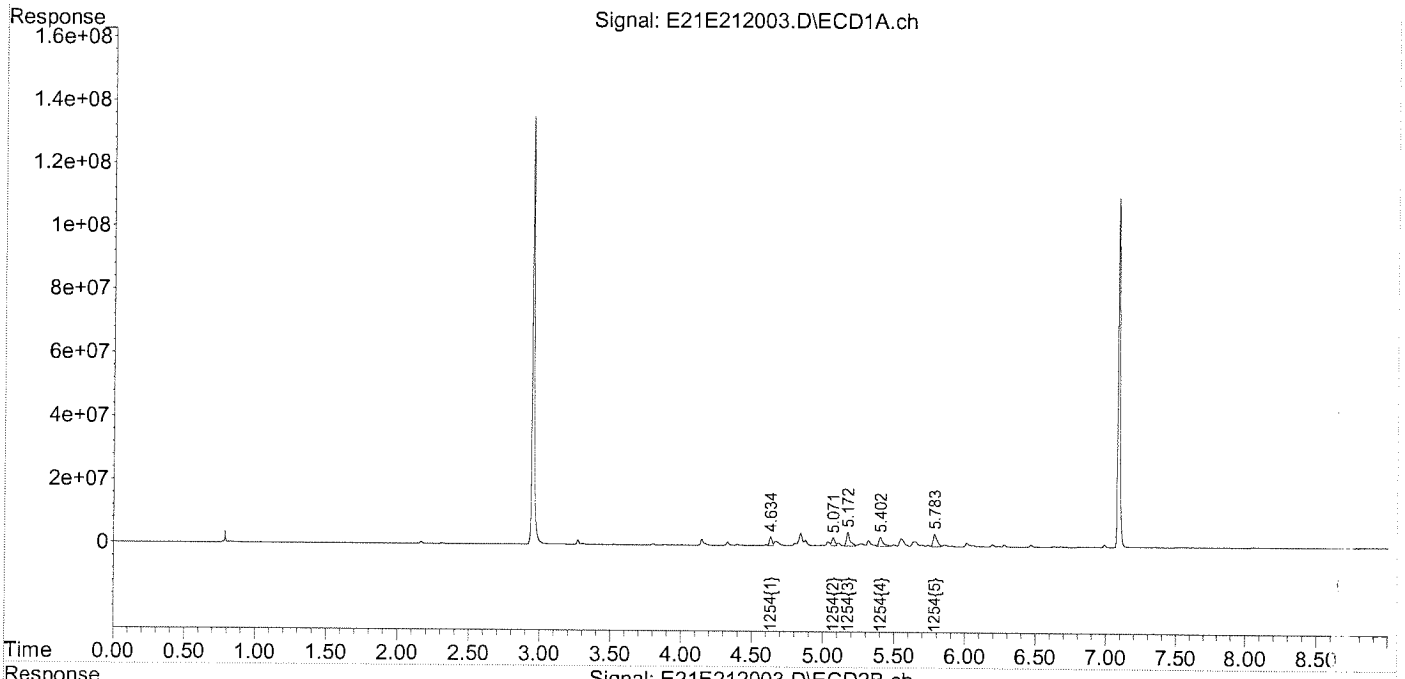


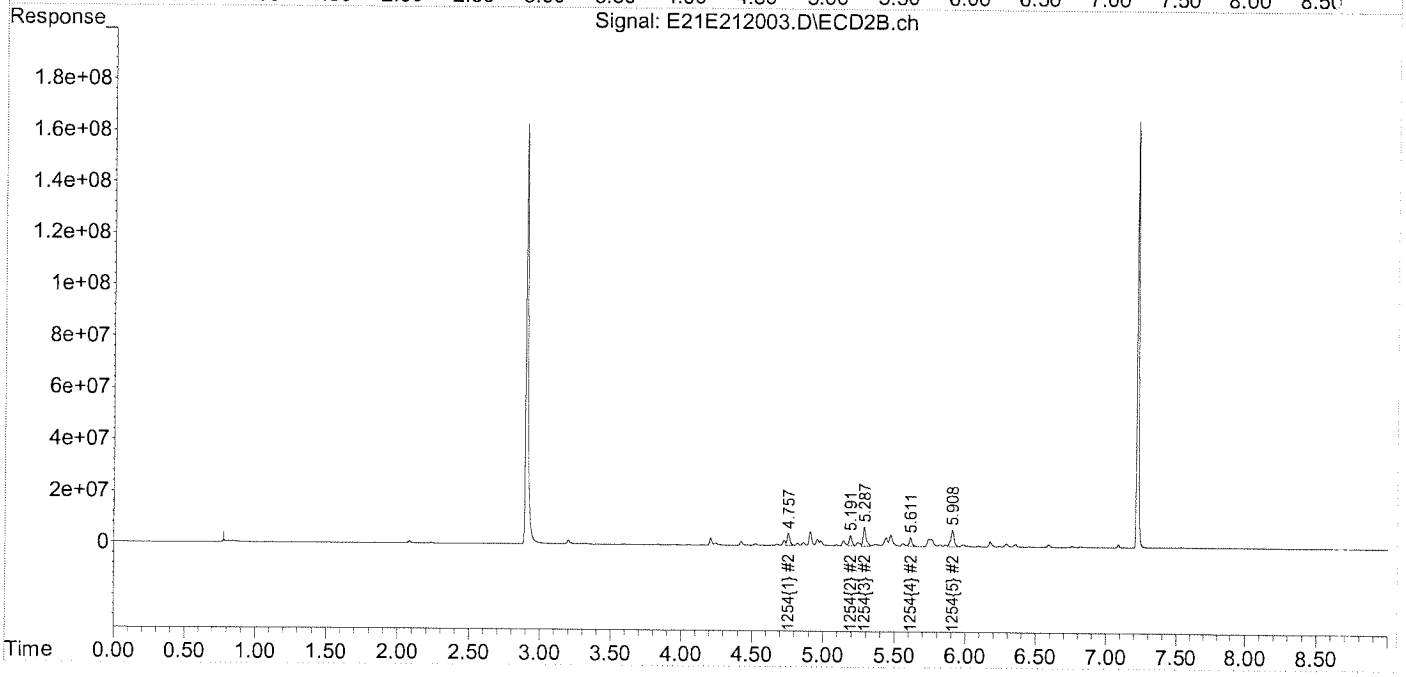
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 12:32 pm
Operator : JMB
Sample : 1254 100 2104278 Inst : ECD 5
Misc : mix[16]
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 31 13:00:28 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



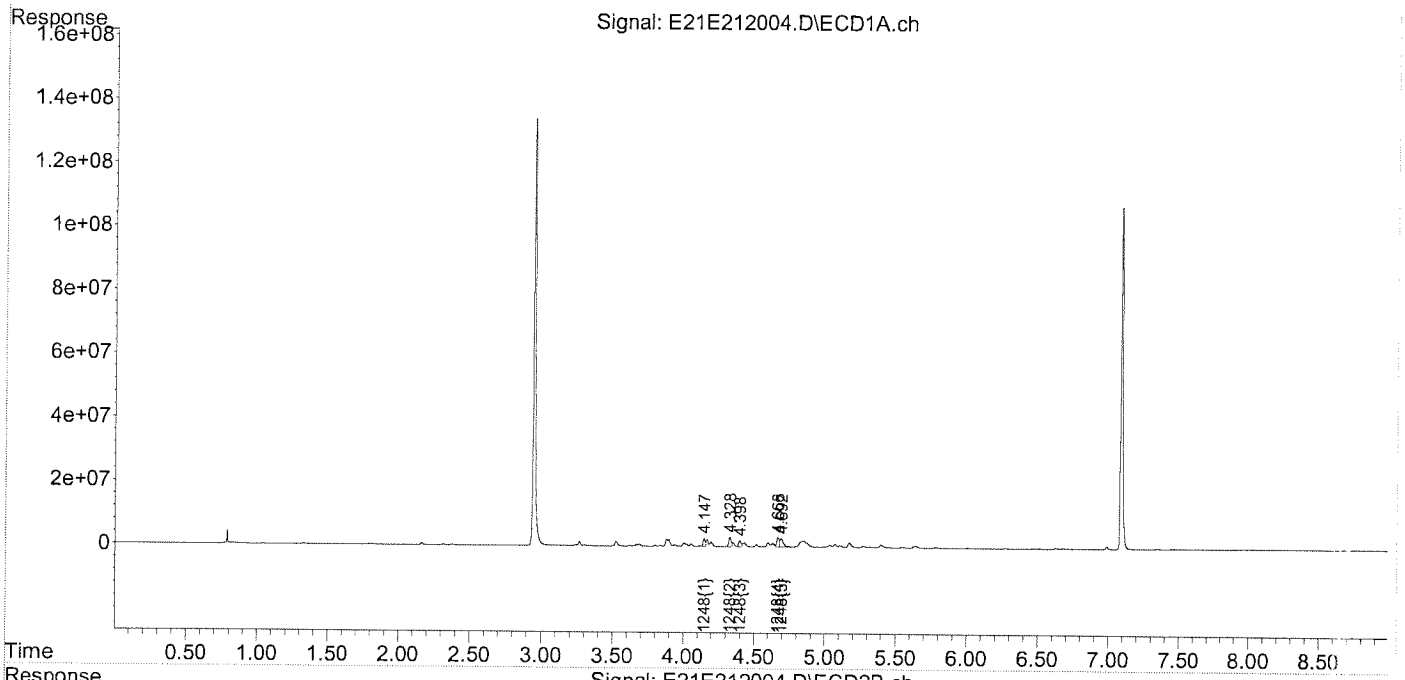


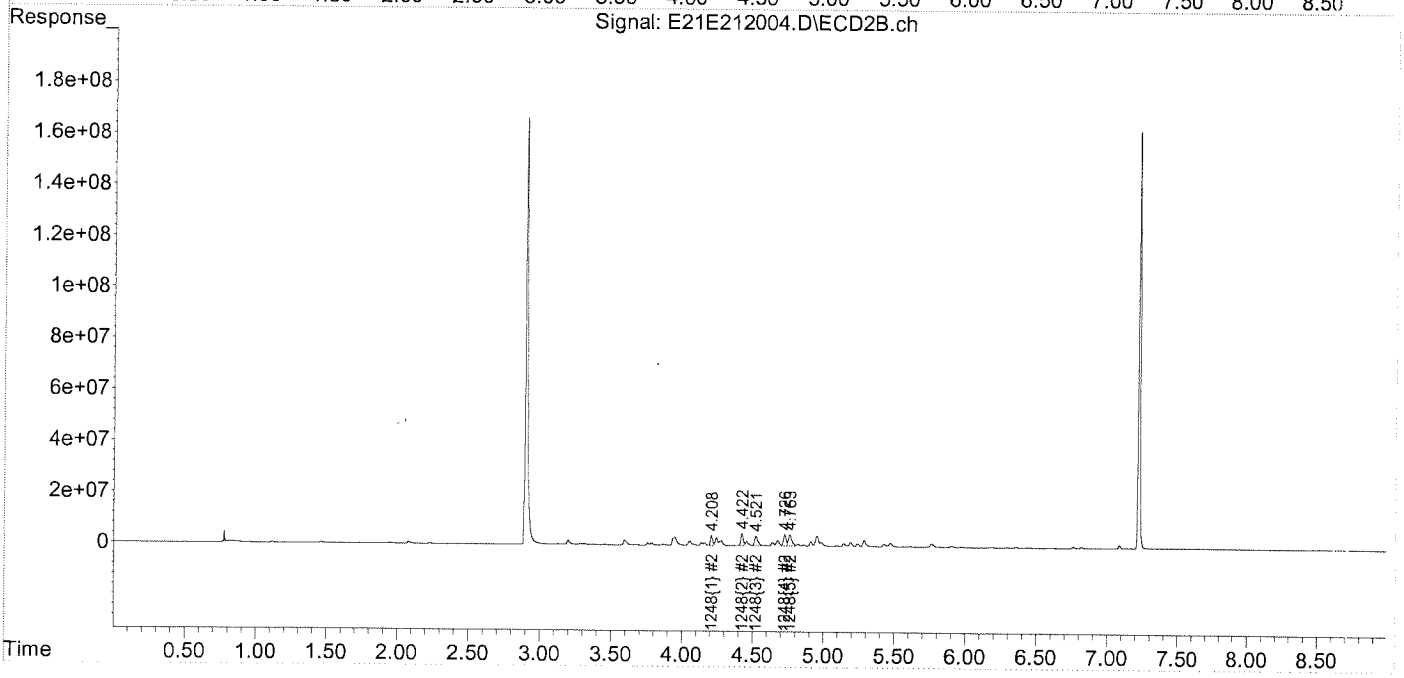
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 12:45 pm
Operator : JMB
Sample : 1248 100 2104239 Inst : ECD 5
Misc : mix[15]
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 31 13:00:31 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



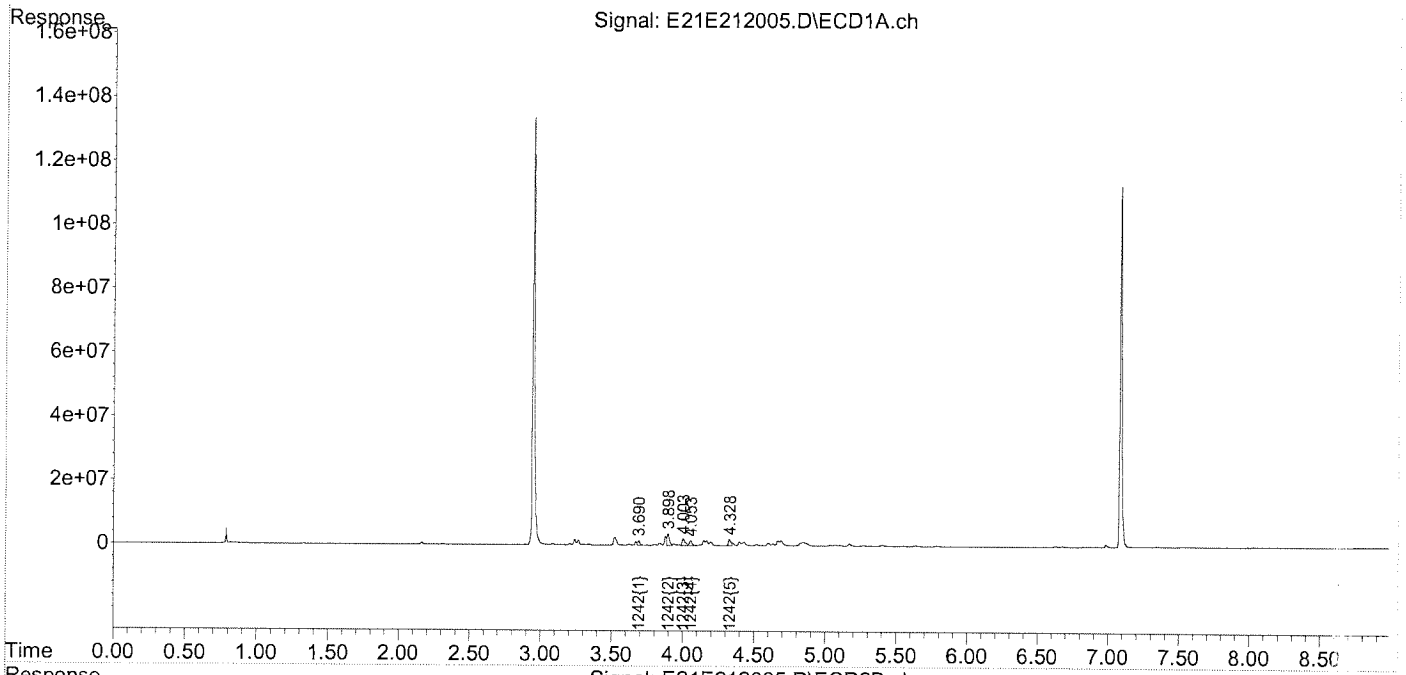


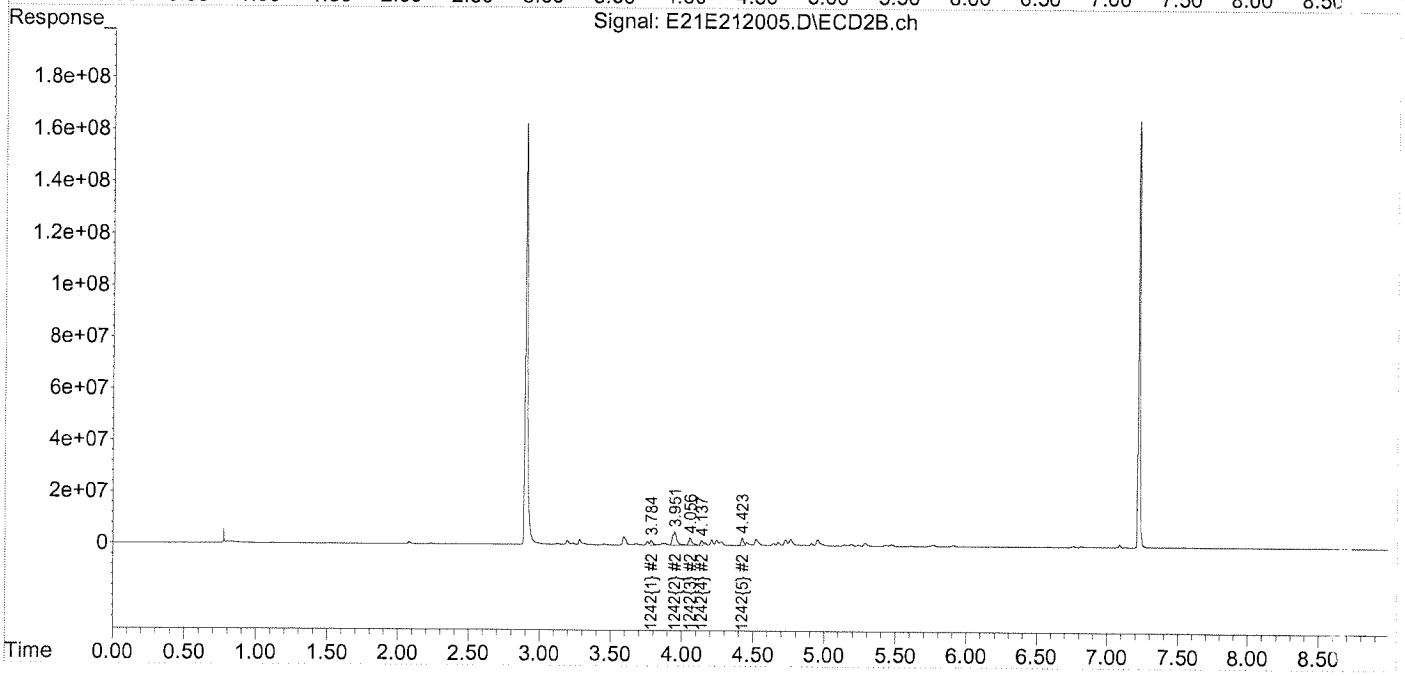
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 12:57 pm
Operator : JMB
Sample : 1242 100 2103459 Inst : ECD 5
Misc : mix[l4]
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 31 13:08:29 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



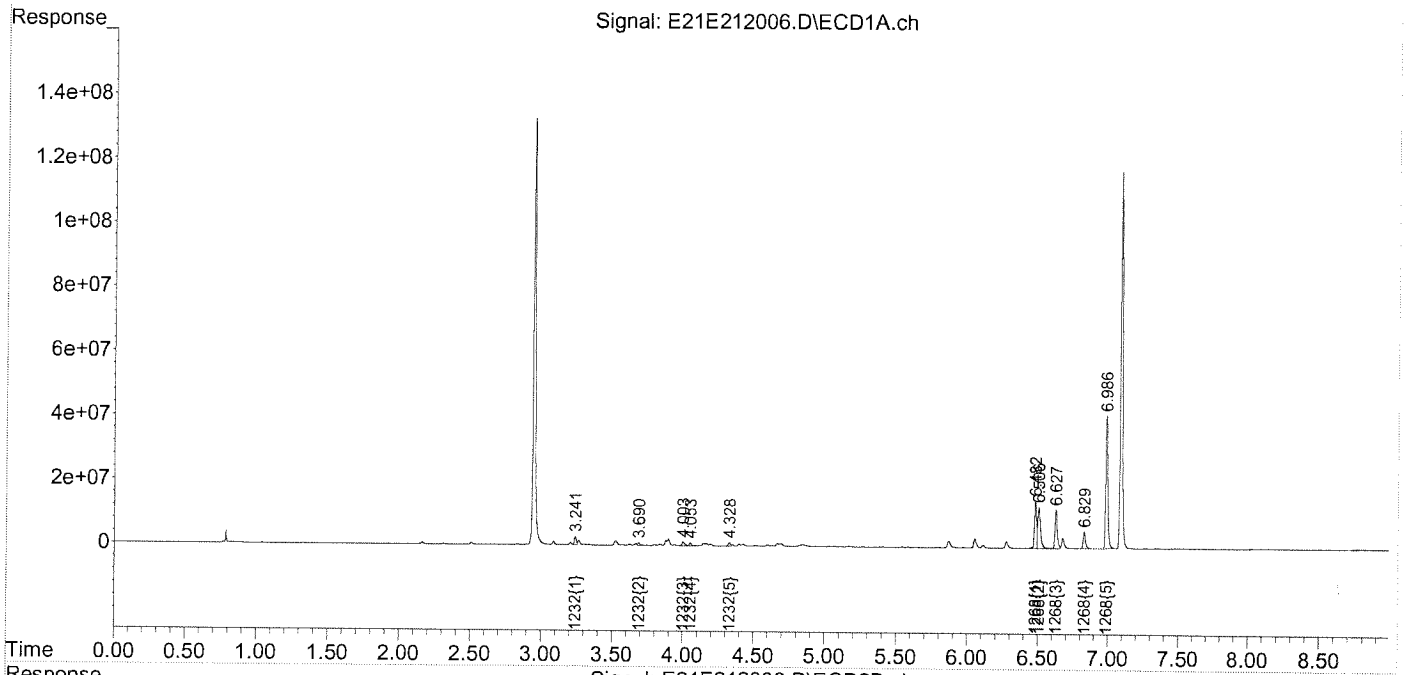


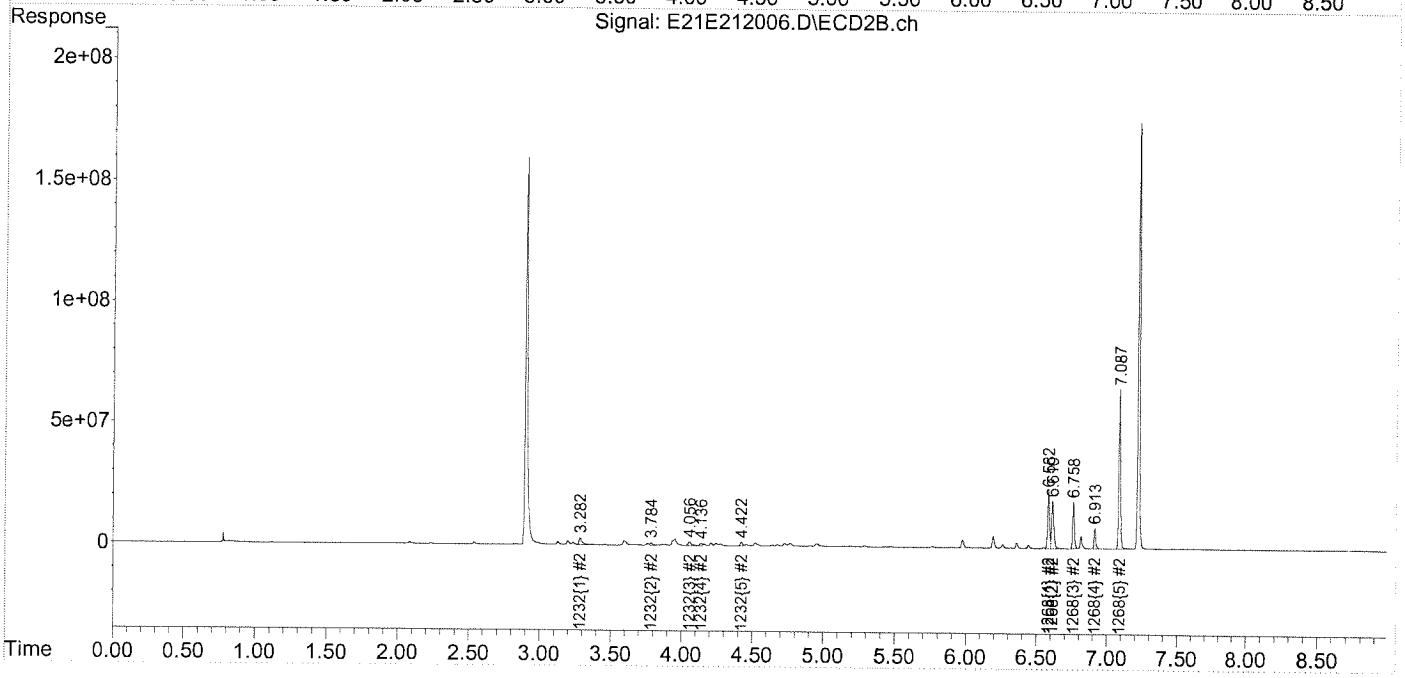
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 1:10 pm
Operator : JMB
Sample : 1232/1268 100 2106535 Inst : ECD 5
Misc : mix[l3,l9]
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 31 13:44:39 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



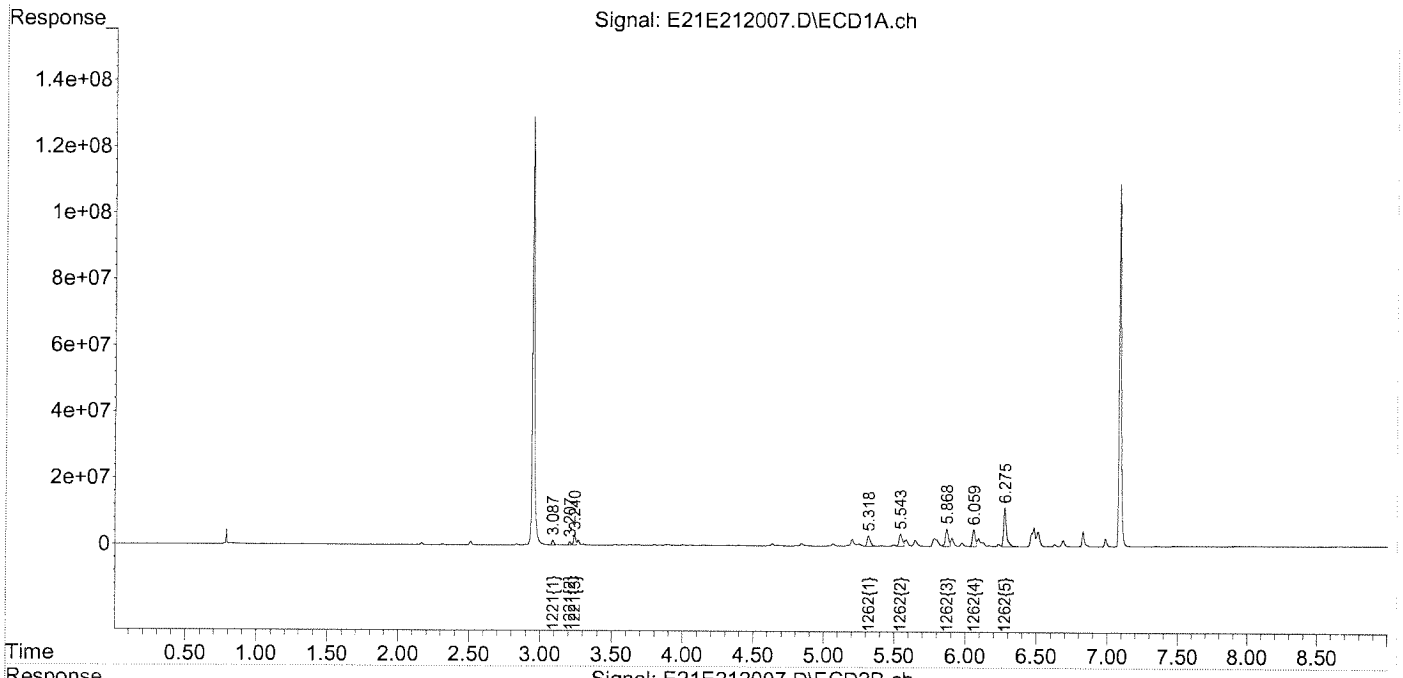


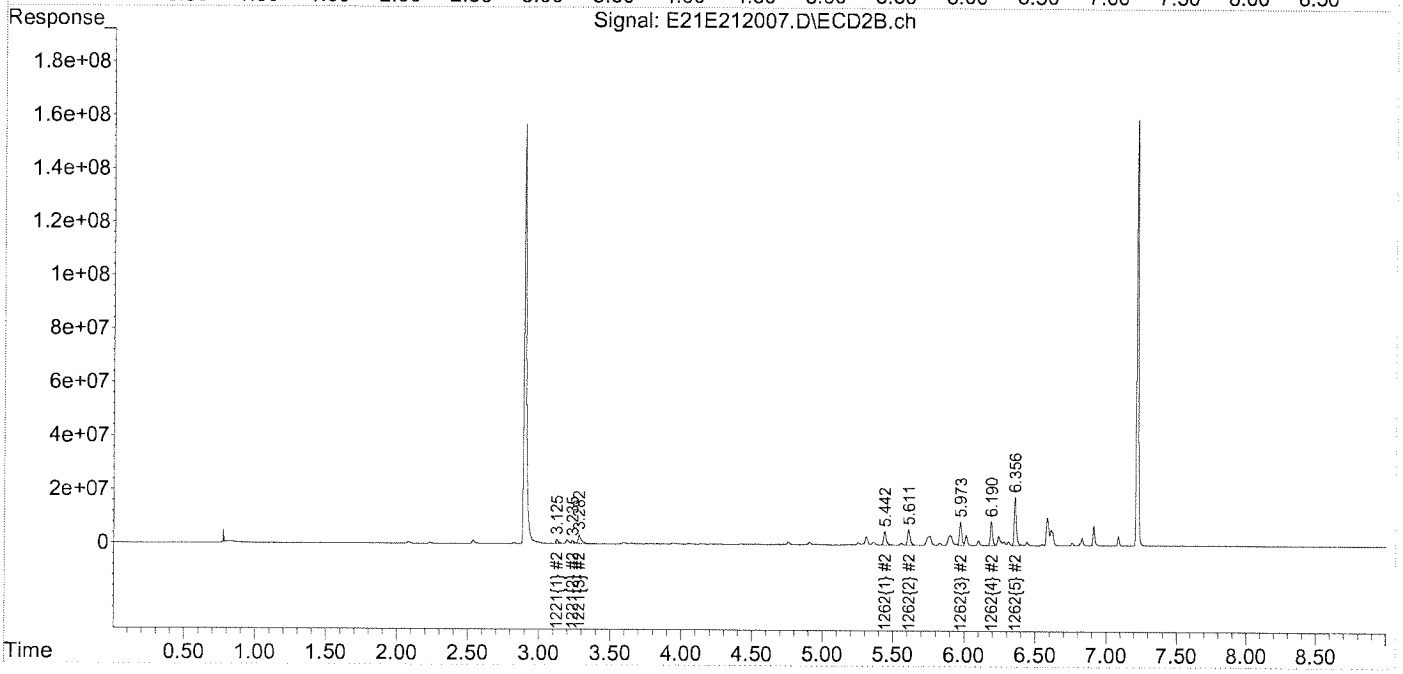
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 1:22 pm
Operator : JMB
Sample : 1221/1262 100 2106673 Inst : ECD 5
Misc : mix[l2,l8]
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 31 13:44:43 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Building E

Bulk and Substrate Data

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July 29, 2021

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

Project Location: 52 Institute Rd., Burlington, VT (Bldg E)
Client Job Number:
Project Number: 280BS01563 Task 7
Laboratory Work Order Number: 21G0816

Enclosed are results of analyses for samples received by the laboratory on July 15, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kaitlyn A. Feliciano
Project Manager

Table of Contents

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

REPORT DATE: 7/29/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Task 7

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21G0816

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

PROJECT LOCATION: 52 Institute Rd., Burlington, VT (Bldg E)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
210712.E2050.138-1342	21G0816-01	Product/Solid		SW-846 8082A	
210712.E2050.138-1343	21G0816-02	Product/Solid		SW-846 8082A	
210702.E2051.138-1344	21G0816-03	Product/Solid		SW-846 8082A	
210702.E2051.138-1345	21G0816-04	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:

O-04

Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.

Analyte & Samples(s) Qualified:

Aroclor-1248
21G0816-03[210702.E2051.138-1344], 21G0816-04[210702.E2051.138-1345]

Aroclor-1248 [2C]
21G0816-03[210702.E2051.138-1344], 21G0816-04[210702.E2051.138-1345]

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: 52 Institute Rd., Burlington, VT (Sample Description: Work Order: 21G0816

Date Received: 7/15/2021

Field Sample #: 210712.E2050.138-1342 Sampled: 7/12/2021 11:15

Sample ID: 21G0816-01

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	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 20:29	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 20:29	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 20:29	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 20:29	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 20:29	TG
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 20:29	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 20:29	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 20:29	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 20:29	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	71.3	30-150		7/28/21 20:29
Decachlorobiphenyl [2]	70.0	30-150		7/28/21 20:29
Tetrachloro-m-xylene [1]	76.9	30-150		7/28/21 20:29
Tetrachloro-m-xylene [2]	79.7	30-150		7/28/21 20:29

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Project Location: 52 Institute Rd., Burlington, VT (Sample Description: Work Order: 21G0816

Date Received: 7/15/2021

Field Sample #: 210712.E2050.138-1343 Sampled: 7/12/2021 12:05

Sample ID: 21G0816-02

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	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 20:47	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 20:47	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 20:47	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 20:47	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 20:47	TG
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 20:47	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 20:47	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 20:47	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 20:47	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.0	30-150		7/28/21 20:47
Decachlorobiphenyl [2]	83.4	30-150		7/28/21 20:47
Tetrachloro-m-xylene [1]	97.3	30-150		7/28/21 20:47
Tetrachloro-m-xylene [2]	99.9	30-150		7/28/21 20:47

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Project Location: 52 Institute Rd., Burlington, VT (Sample Description: Work Order: 21G0816

Date Received: 7/15/2021

Field Sample #: 210702.E2051.138-1344 Sampled: 7/2/2021 15:55

Sample ID: 21G0816-03

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	2.0	mg/Kg	20		SW-846 8082A	7/16/21	7/28/21 21:04	TG
Aroclor-1221 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	7/16/21	7/28/21 21:04	TG
Aroclor-1232 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	7/16/21	7/28/21 21:04	TG
Aroclor-1242 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	7/16/21	7/28/21 21:04	TG
Aroclor-1248 [2]	6.3	2.0	mg/Kg	20	O-04	SW-846 8082A	7/16/21	7/28/21 21:04	TG
Aroclor-1254 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	7/16/21	7/28/21 21:04	TG
Aroclor-1260 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	7/16/21	7/28/21 21:04	TG
Aroclor-1262 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	7/16/21	7/28/21 21:04	TG
Aroclor-1268 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	7/16/21	7/28/21 21:04	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	67.9	30-150		7/28/21 21:04
Decachlorobiphenyl [2]	64.9	30-150		7/28/21 21:04
Tetrachloro-m-xylene [1]	75.7	30-150		7/28/21 21:04
Tetrachloro-m-xylene [2]	76.6	30-150		7/28/21 21:04

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Project Location: 52 Institute Rd., Burlington, VT (Sample Description: Work Order: 21G0816

Date Received: 7/15/2021

Field Sample #: 210702.E2051.138-1345 Sampled: 7/2/2021 16:00

Sample ID: 21G0816-04

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	1.7	mg/Kg	20		SW-846 8082A	7/16/21	7/28/21 21:22	TG
Aroclor-1221 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	7/16/21	7/28/21 21:22	TG
Aroclor-1232 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	7/16/21	7/28/21 21:22	TG
Aroclor-1242 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	7/16/21	7/28/21 21:22	TG
Aroclor-1248 [2]	7.8	1.7	mg/Kg	20	O-04	SW-846 8082A	7/16/21	7/28/21 21:22	TG
Aroclor-1254 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	7/16/21	7/28/21 21:22	TG
Aroclor-1260 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	7/16/21	7/28/21 21:22	TG
Aroclor-1262 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	7/16/21	7/28/21 21:22	TG
Aroclor-1268 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	7/16/21	7/28/21 21:22	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.9	30-150		7/28/21 21:22
Decachlorobiphenyl [2]	66.6	30-150		7/28/21 21:22
Tetrachloro-m-xylene [1]	82.4	30-150		7/28/21 21:22
Tetrachloro-m-xylene [2]	83.4	30-150		7/28/21 21:22

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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
21G0816-01 [210712.E2050.138-1342]	B286167	2.01	10.0	07/16/21
21G0816-02 [210712.E2050.138-1343]	B286167	2.02	10.0	07/16/21
21G0816-03 [210702.E2051.138-1344]	B286167	0.200	1.00	07/16/21
21G0816-04 [210702.E2051.138-1345]	B286167	0.460	2.00	07/16/21

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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 B286167 - SW-846 3540C										
Blank (B286167-BLK1)				Prepared: 07/16/21 Analyzed: 07/28/21						
Aroclor-1016	ND	0.097	mg/Kg							
Aroclor-1016 [2C]	ND	0.097	mg/Kg							
Aroclor-1221	ND	0.097	mg/Kg							
Aroclor-1221 [2C]	ND	0.097	mg/Kg							
Aroclor-1232	ND	0.097	mg/Kg							
Aroclor-1232 [2C]	ND	0.097	mg/Kg							
Aroclor-1242	ND	0.097	mg/Kg							
Aroclor-1242 [2C]	ND	0.097	mg/Kg							
Aroclor-1248	ND	0.097	mg/Kg							
Aroclor-1248 [2C]	ND	0.097	mg/Kg							
Aroclor-1254	ND	0.097	mg/Kg							
Aroclor-1254 [2C]	ND	0.097	mg/Kg							
Aroclor-1260	ND	0.097	mg/Kg							
Aroclor-1260 [2C]	ND	0.097	mg/Kg							
Aroclor-1262	ND	0.097	mg/Kg							
Aroclor-1262 [2C]	ND	0.097	mg/Kg							
Aroclor-1268	ND	0.097	mg/Kg							
Aroclor-1268 [2C]	ND	0.097	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.858*		mg/Kg	0.971		88.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.832*		mg/Kg	0.971		85.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.815*		mg/Kg	0.971		83.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.839*		mg/Kg	0.971		86.4	30-150			
LCS (B286167-BS1)				Prepared: 07/16/21 Analyzed: 07/28/21						
Aroclor-1016	0.84	0.098	mg/Kg	0.976		85.6	40-140			
Aroclor-1016 [2C]	0.82	0.098	mg/Kg	0.976		84.2	40-140			
Aroclor-1260	0.72	0.098	mg/Kg	0.976		73.3	40-140			
Aroclor-1260 [2C]	0.71	0.098	mg/Kg	0.976		72.3	40-140			
Surrogate: Decachlorobiphenyl	*0.819*		mg/Kg	0.976		84.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.793*		mg/Kg	0.976		81.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.818*		mg/Kg	0.976		83.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.843*		mg/Kg	0.976		86.4	30-150			
LCS Dup (B286167-BSD1)				Prepared: 07/16/21 Analyzed: 07/28/21						
Aroclor-1016	0.81	0.099	mg/Kg	0.990		81.5	40-140	3.54	30	
Aroclor-1016 [2C]	0.78	0.099	mg/Kg	0.990		78.9	40-140	5.06	30	
Aroclor-1260	0.65	0.099	mg/Kg	0.990		66.0	40-140	9.08	30	
Aroclor-1260 [2C]	0.65	0.099	mg/Kg	0.990		66.0	40-140	7.60	30	
Surrogate: Decachlorobiphenyl	*0.736*		mg/Kg	0.990		74.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.715*		mg/Kg	0.990		72.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.780*		mg/Kg	0.990		78.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.799*		mg/Kg	0.990		80.7	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 B286167 - SW-846 3540C										
Matrix Spike (B286167-MS1)	**Source: 21G0816-01**			Prepared: 07/16/21 Analyzed: 07/28/21						
Aroclor-1016	0.90	0.49	mg/Kg	0.985	ND	91.1	40-140			
Aroclor-1016 [2C]	0.93	0.49	mg/Kg	0.985	ND	94.9	40-140			
Aroclor-1260	0.77	0.49	mg/Kg	0.985	ND	78.4	40-140			
Aroclor-1260 [2C]	0.75	0.49	mg/Kg	0.985	ND	76.4	40-140			
Surrogate: Decachlorobiphenyl	*0.773*		mg/Kg	0.985		78.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.777*		mg/Kg	0.985		78.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.910*		mg/Kg	0.985		92.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.927*		mg/Kg	0.985		94.1	30-150			
Matrix Spike Dup (B286167-MSD1)	**Source: 21G0816-01**			Prepared: 07/16/21 Analyzed: 07/28/21						
Aroclor-1016	0.92	0.48	mg/Kg	0.957	ND	95.7	40-140	2.08	50	
Aroclor-1016 [2C]	0.96	0.48	mg/Kg	0.957	ND	100	40-140	2.31	50	
Aroclor-1260	0.78	0.48	mg/Kg	0.957	ND	81.9	40-140	1.55	50	
Aroclor-1260 [2C]	0.78	0.48	mg/Kg	0.957	ND	81.2	40-140	3.16	50	
Surrogate: Decachlorobiphenyl	*0.776*		mg/Kg	0.957		81.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.767*		mg/Kg	0.957		80.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.904*		mg/Kg	0.957		94.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.923*		mg/Kg	0.957		96.4	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210702.E2051.138-1344

Lab Sample ID: 21G0816-03

Date(s) Analyzed: 07/28/2021 07/28/2021

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	6.0	
	2	0.000	0.000	0.000	6.3	4.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210702.E2051.138-1345

Lab Sample ID: 21G0816-04

Date(s) Analyzed: 07/28/2021 07/28/2021

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	7.6	
	2	0.000	0.000	0.000	7.8	2.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B286167-BS1 Date(s) Analyzed: 07/28/2021 07/28/2021

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	0.84	
	2	0.000	0.000	0.000	0.82	2.4
Aroclor-1260	1	0.000	0.000	0.000	0.72	
	2	0.000	0.000	0.000	0.71	1.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B286167-BSD1 Date(s) Analyzed: 07/28/2021 07/28/2021

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	0.81	
	2	0.000	0.000	0.000	0.78	3.8
Aroclor-1260	1	0.000	0.000	0.000	0.65	
	2	0.000	0.000	0.000	0.65	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B286167-MS1 Date(s) Analyzed: 07/28/2021 07/28/2021

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	0.90	
	2	0.000	0.000	0.000	0.93	3.3
Aroclor-1260	1	0.000	0.000	0.000	0.77	
	2	0.000	0.000	0.000	0.75	2.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B286167-MSD1 Date(s) Analyzed: 07/28/2021 07/28/2021

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	0.92	
	2	0.000	0.000	0.000	0.96	4.3
Aroclor-1260	1	0.000	0.000	0.000	0.78	
	2	0.000	0.000	0.000	0.78	0.0

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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.
O-04	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.

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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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
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	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
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	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

21C0816

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

Page 1 of 1

Company Name:
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980

Project Name:
Project Location: 52 Institue Road, Burlington, Vermont
Project Number: 280BS01563
Project Manager: Andra Liberty
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: J. Adams, K. Paritz

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

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

	Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	EPA Method 3500B/3540C (Soxhlet Region 1) for extractio	EPA Method 8082									
1	210712.E	2050.138-1342	7/12/21	11:15	Grab	O	U		1				✓	✓									
2	210712.E	2050.138-1343	7/12/21	12:05	Grab	O	U		1				✓	✓									
3	210702.E	2051.138-1344	7/2/21	1555	Grab	O	U		1				✓	✓									
4	210702.E	2051.138-1345	7/2/21	1600	Grab	O	U		1				✓	✓									
					Grab	O	U		1				✓	✓									
					Grab	O	U		1				✓	✓									
					Grab	O	U		1				✓	✓									
					Grab	O	U		1				✓	✓									
					Grab	O	U		1				✓	✓									
					Grab	O	U		1				✓	✓									

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS 4
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)

Relinquished by: (signature)	Date/Time: 7/14/21 1420
Received by: (signature) to Office	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 7/15/21 945
Relinquished by: (signature)	Date/Time: 7/15 1625
Received by: (signature) 2.0	Date/Time: 7/15 1625
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab 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

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

con-test® ANALYTICAL LABORATORY

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 7/15/21 Time 1625

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 # 5 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	4
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:

PREPARATION BENCH SHEET

Printed: 7/16/2021 12:33:12PM

Analysis
8082 Soxhlet

B286167

t, a Pace Analytical Laboratory

7/1.L

pared using: SW-846 3540C

Surrogate Solution
2107069 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

TG 7/29/21

(* change for 21G0816-02)

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B286167-BLK1	Blank			AAM 7/22/21		~~10.0~~ 2.06 G	G G 10		1000		
B286167-BS1	LCS					~~10.0~~ 2.05 G	G G	1000	1000		
B286167-BSD1	LCS Dup					~~10.0~~ 2.02 G	G G	1000	1000		
B286167-MS1	Matrix Spike [21G0816-01] *			AAM 7/22/21		2.03		1000	1000		
B286167-MSD1	Matrix Spike Dup [21G0816-01] *					2.09		1000	1000		
21G0816-01	210712.E2050.138-1342 3A	07/29/21	07/26/21			2.01			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0816-02	210712.E2050.138-1343	07/29/21	07/26/21			2.02			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0816-03	210702.E2051.138-1344	07/29/21	07/16/21			0.20	1.0		~~1000~~ 160	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0816-04	210702.E2051.138-1345	07/29/21	07/16/21			0.46	2.0		~~1000~~ 200	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0817-01	210712.F2050.138-1346	07/29/21	07/26/21			2.07	10		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0817-02	210712.F2050.138-1347	07/29/21	07/26/21			2.09			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0818-01	210223.D2050.137-1340	07/29/21	03/09/21			2.03			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0818-02	210223.D2050.137-1341	07/29/21	03/09/21			1.26	5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0819-01	210702.C2050.137-1336	07/29/21	07/16/21	AAM 7/22/21		1.67	~~T~~ 5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10

(*) GG KMC (Wit) 7/16/2021
Checked/Witnessed By Date

GGG 07/16/2021
Extracted By Date

Loaded 071821 #4 TG
Prepped 071821 TR

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B286167

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 7/16/2021 12:33:12PM

Surrogate Solution
2107069 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
21G0819-02	210702.C2050.137-1337	07/29/21	07/16/21	AAM 7/22/21		1.35	~~10~~ 5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0819-03	210702.C2051.137-1338	07/29/21	07/16/21			0.50	2.0		~~1000~~ 200	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0819-04	210702.C2051.137-1339	07/29/21	07/16/21			1.00	5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-01	210702.B2050.137-1332	07/29/21	07/16/21			0.45	2.0		~~1000~~ 200	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-02	210702.B2050.137-1333	07/29/21	07/16/21			2.02	10		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-03	210702.B2051.137-1334	07/29/21	07/16/21			2.03	"		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-04	210702.B2051.137-1335	07/29/21	07/16/21			2.02	"		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0821-01	210702.A2050.137-1330	07/29/21	07/16/21			0.09	1.0		~~1000~~ 100	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0821-02	210702.A2050.137-1331	07/29/21	03/10/21			1.72	5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10

kedby/Witnessed By Date

Extracted By Date

LMNT\Print\bch_DEF_EXT_TAT.rpt

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B286167

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 7/16/2021 12:33:12PM

Surrogate Solution
2107069 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Start Date/Time:
Stop Date/Time:
SPK: OAH
WIT: PTK

StartDate/Time 07/16/21 @ 16:12

StopDate/Time 7/17/21 ~~17~~ 12:10

Standard ID#	Description	Manufacture Lot#
2105200	Hexanes 95%	207414
2106532	Sodium Sulfate (Drum 45.5kg)	0000282237
2106615	Acetone	210382
2107002	Distilled Solvent Hexanes:Acetone	2:1 Hexanes:Ace
2107003	Distilled Solvent - MeCl2	DCM/ACE
2107023	Filter Paper (Fisher) 15.0cm	17275732

kedby/Witnessed By Date

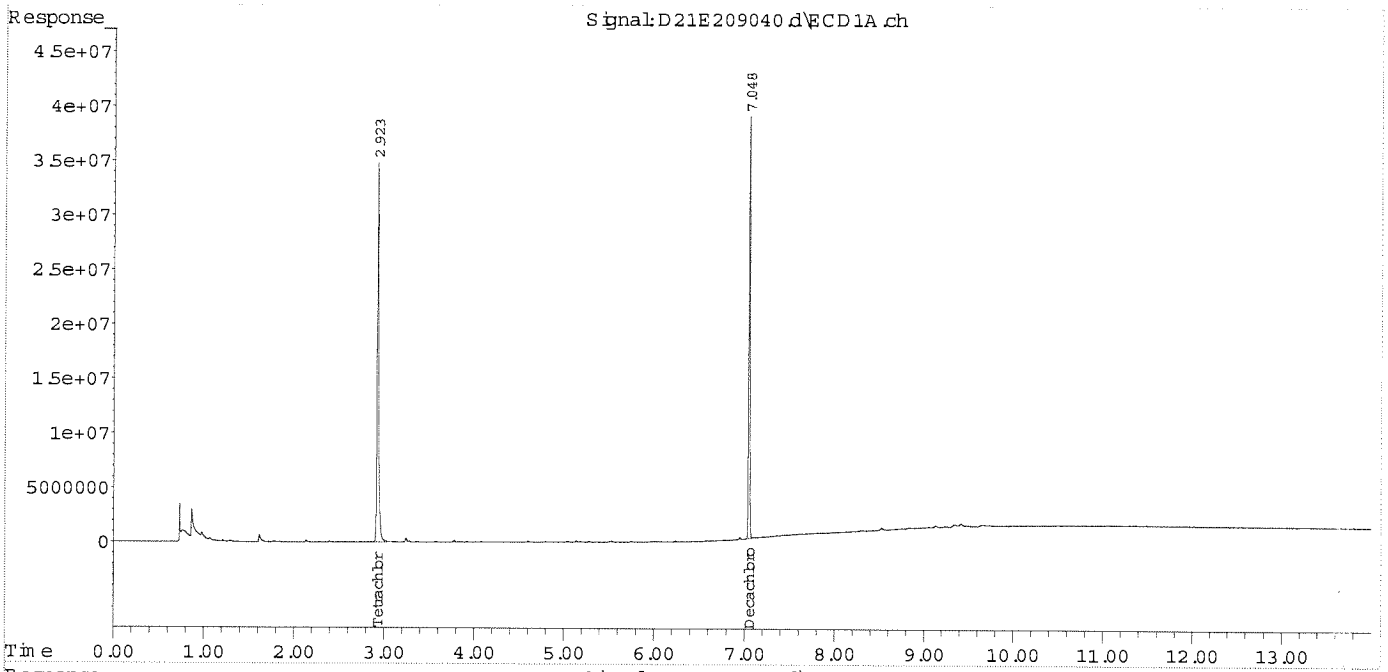
Extracted By Date

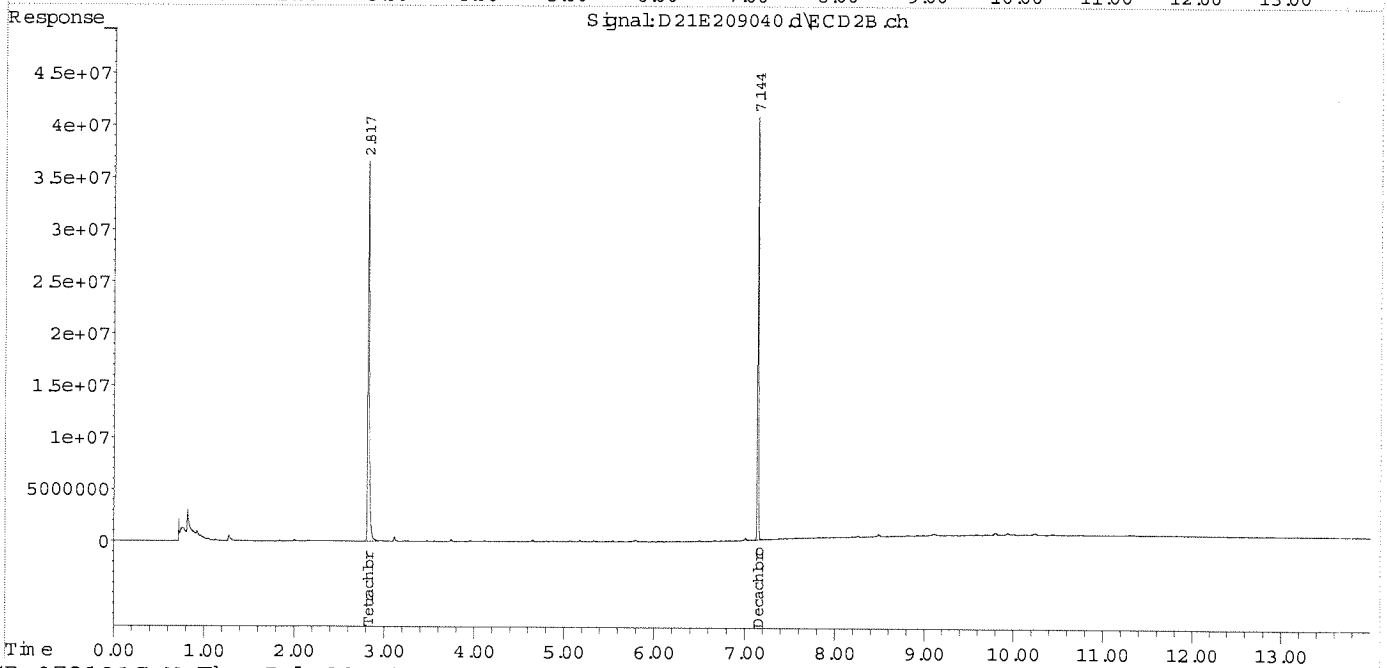
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209040.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 8:29 pm
Operator : JMB
Sample : 21G0816-01@5X TBA Inst : ECD 4
Misc :
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 08:36:20 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCBLONG.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



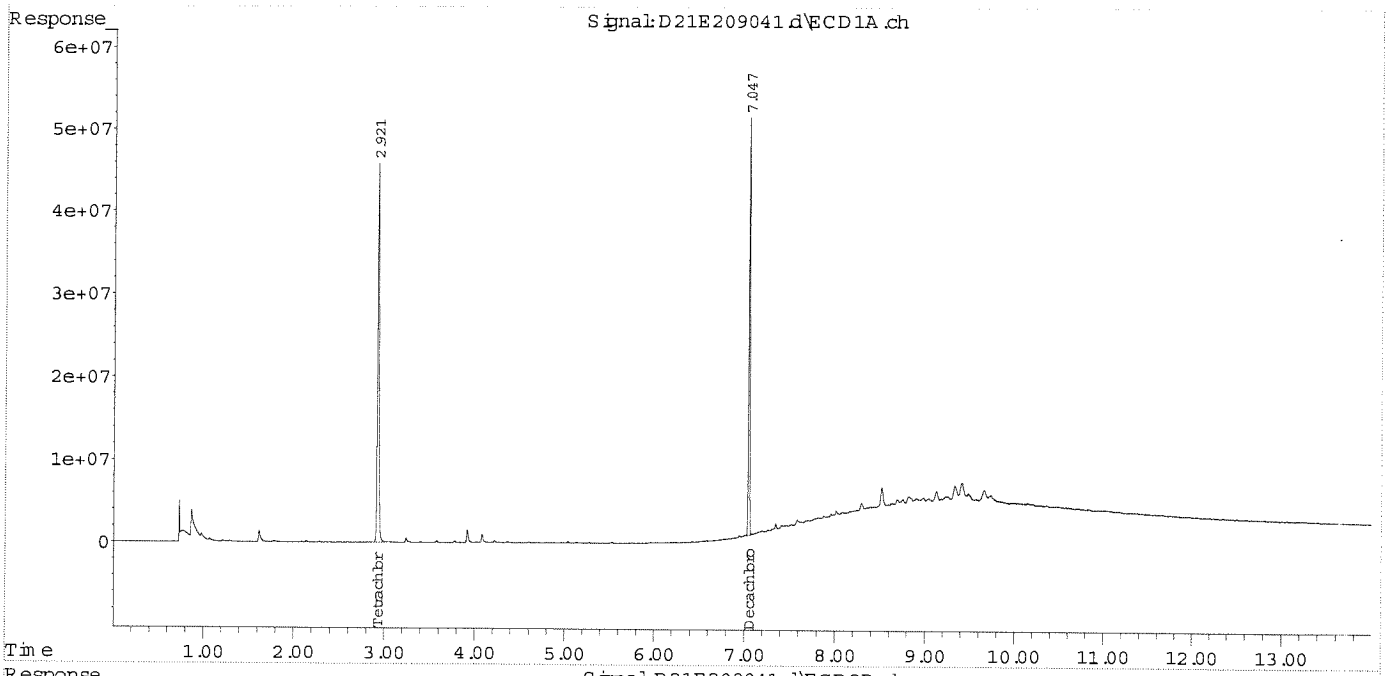


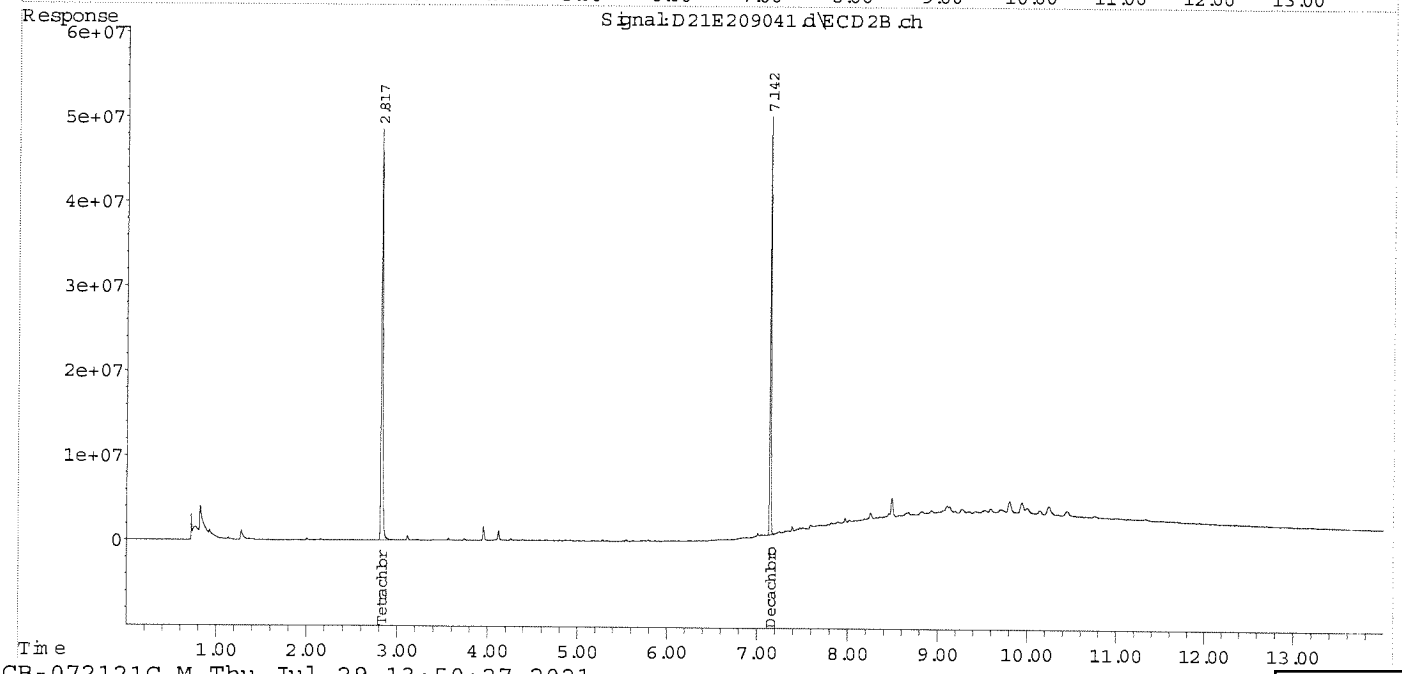
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209041.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 8:47 pm
Operator : JMB
Sample : 21G0816-02@5X TBA Inst : ECD 4
Misc :
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 08:37:02 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCBLONG.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



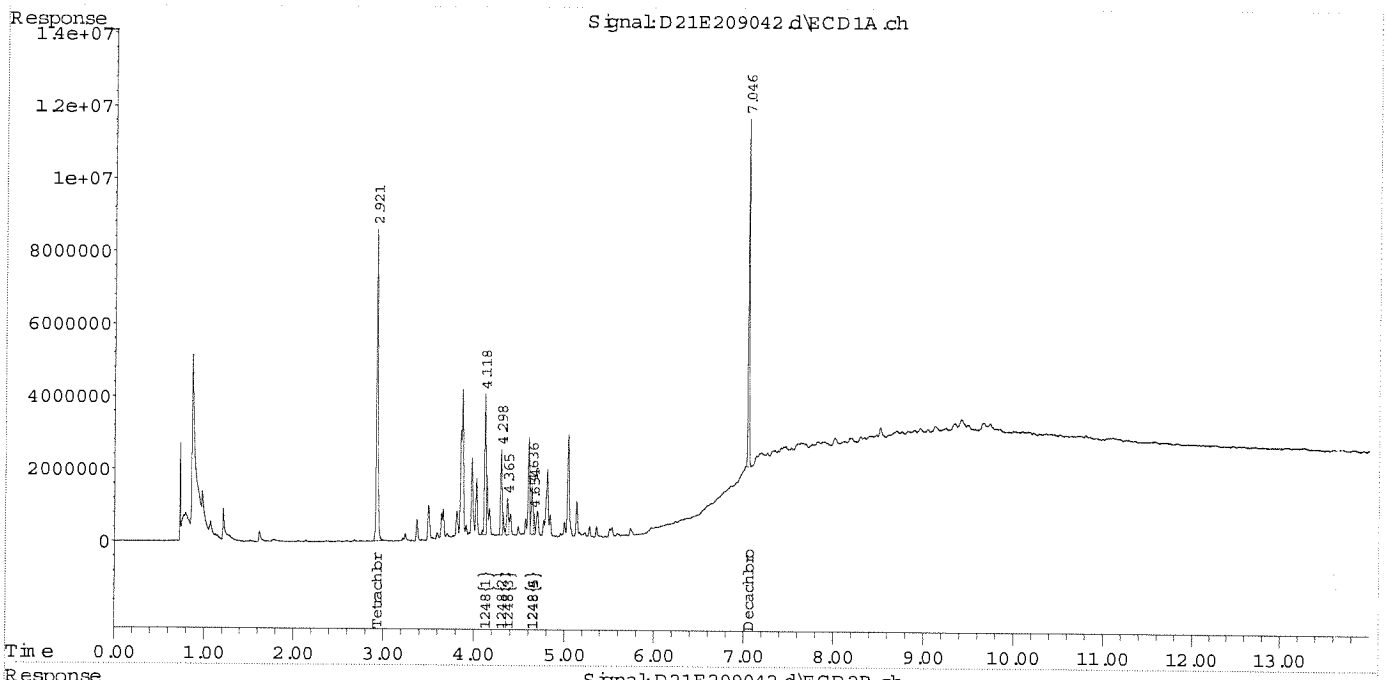


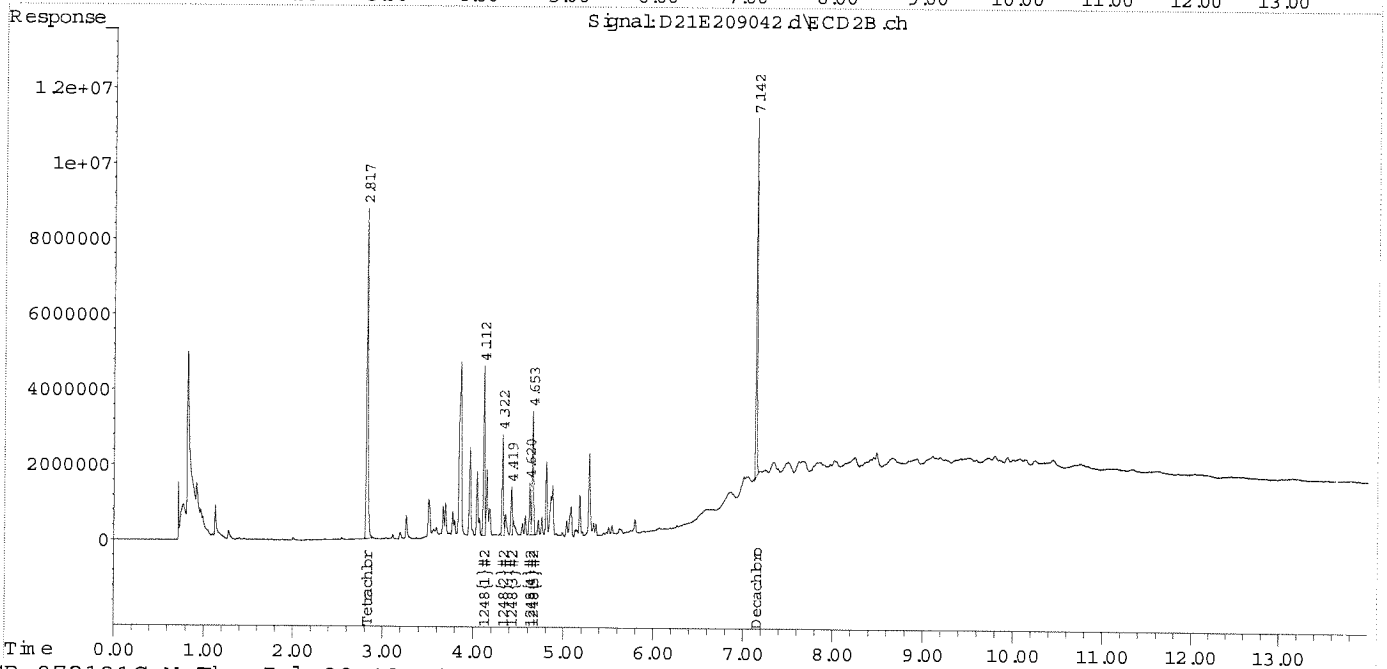
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209042.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 9:04 pm
Operator : JMB
Sample : 21G0816-03@20X TBA Inst : ECD 4
Misc :
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 12:44:47 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCBLONG.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



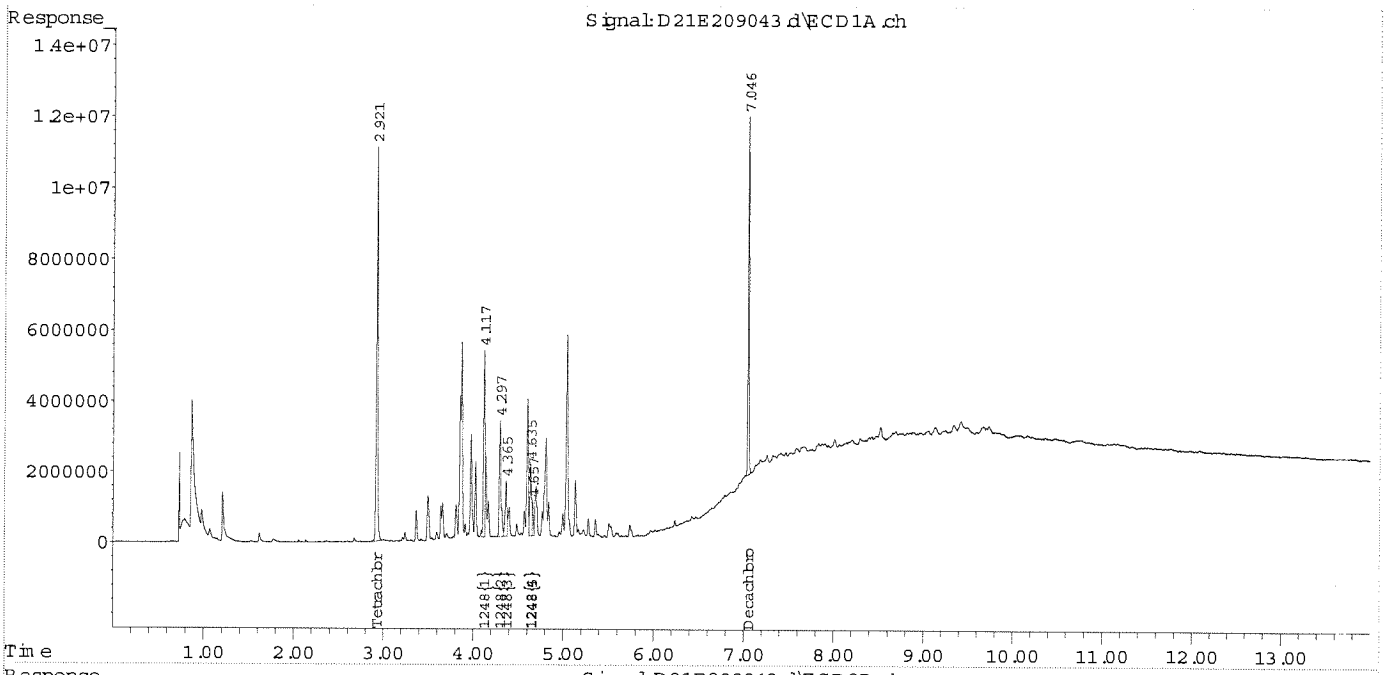


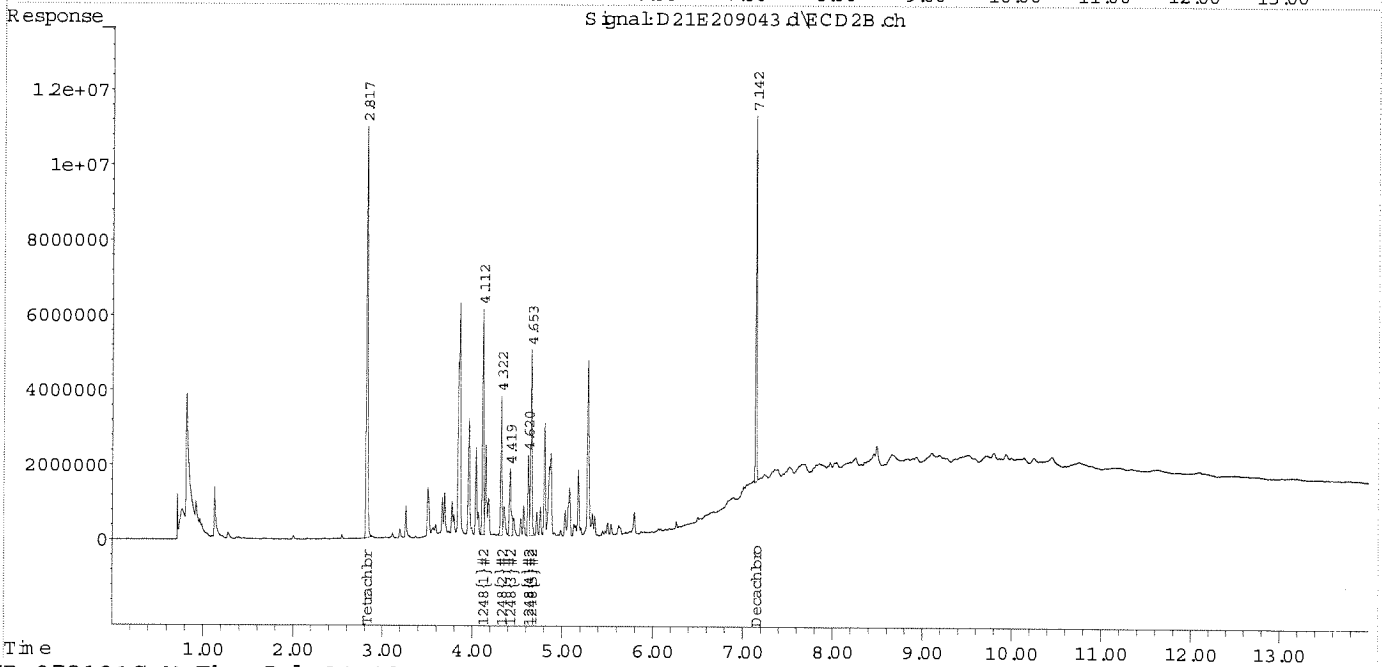
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209043.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 9:22 pm
Operator : JMB
Sample : 21G0816-04@20X TBA Inst : ECD 4
Misc :
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 12:48:45 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCBLONG.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



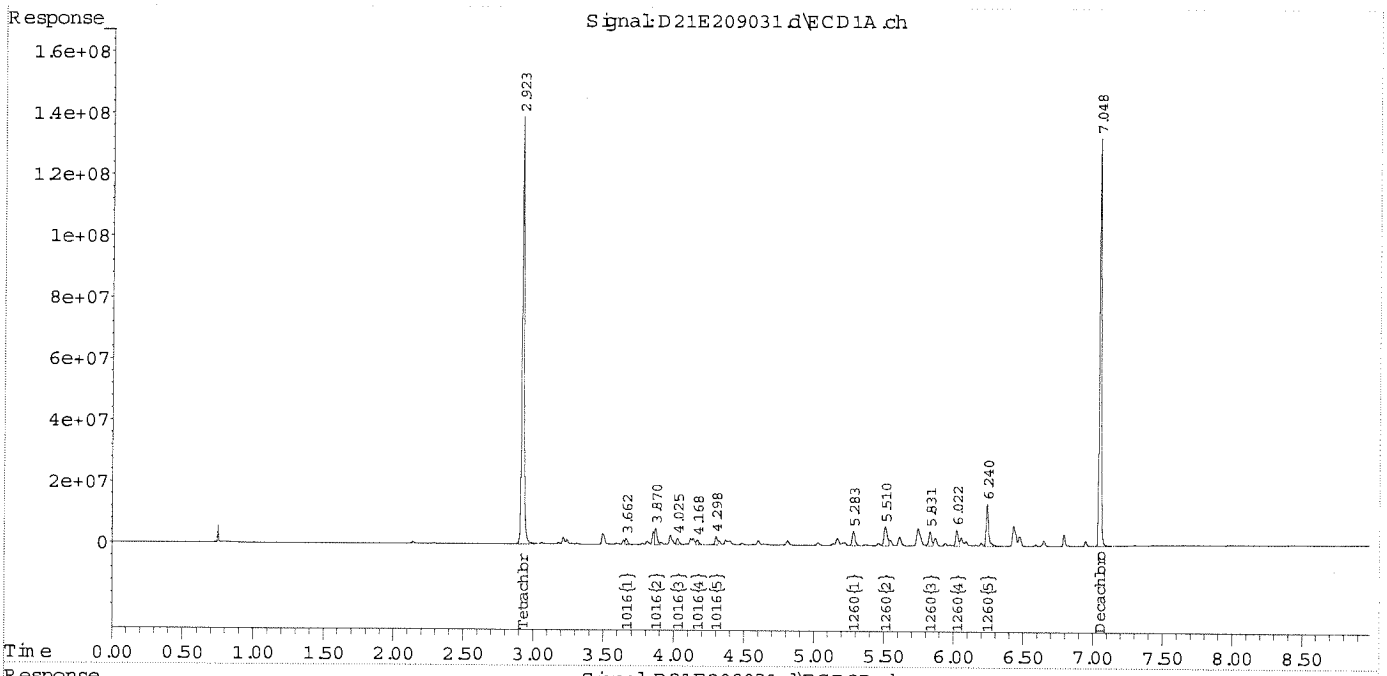


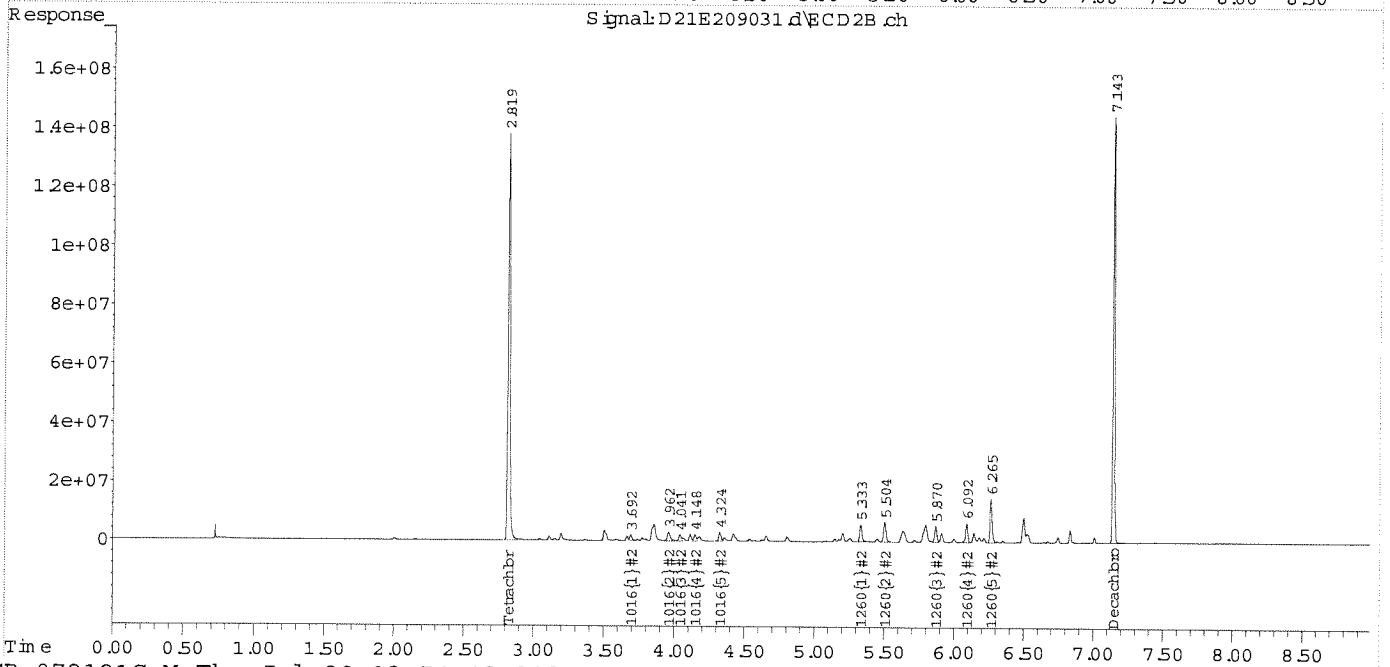
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209031.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 6:35 pm
Operator : JMB
Sample : 1260/1016 100 Inst : ECD 4
Misc : mix[s,l1,l7]
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 08:31:01 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029!
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



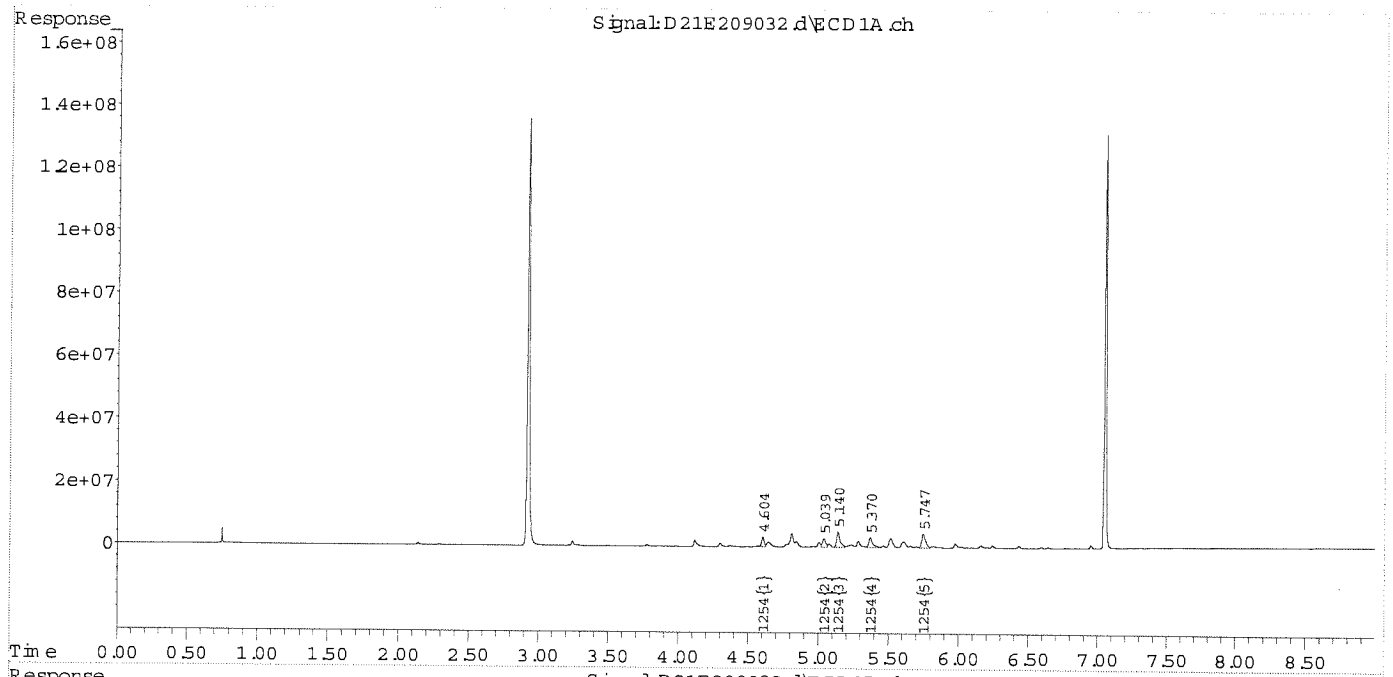


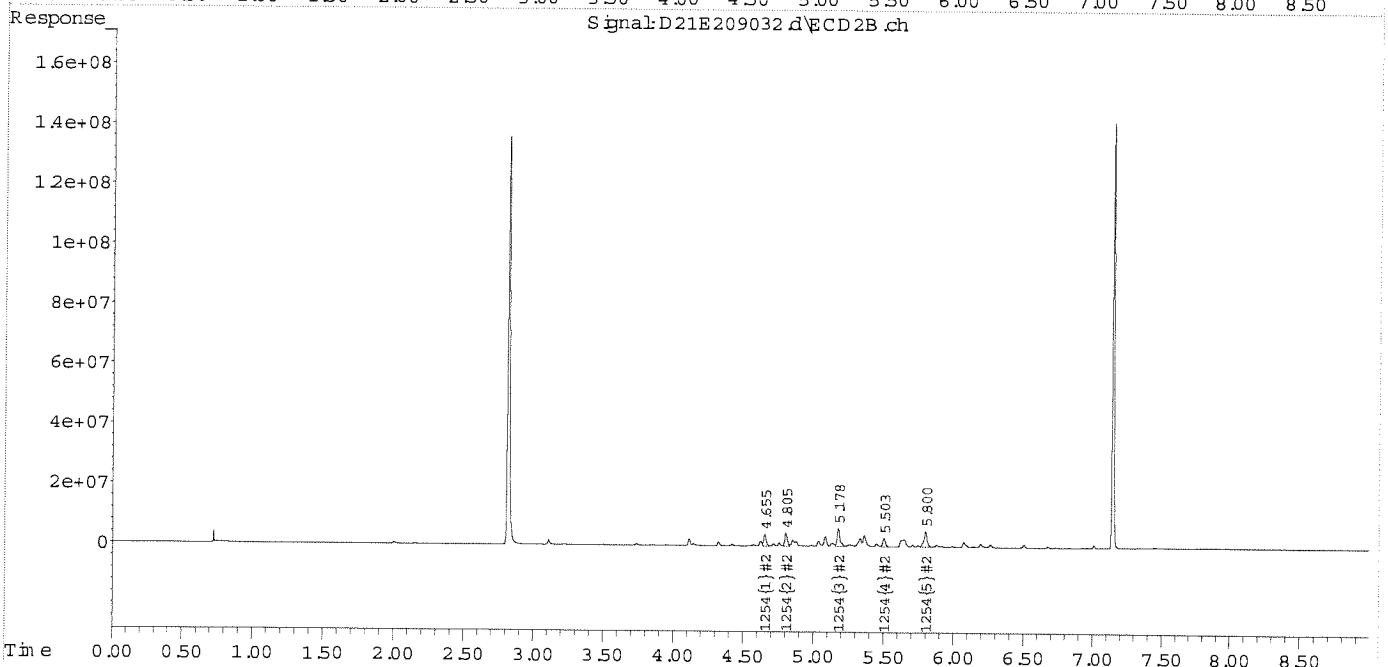
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209032.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 6:48 pm
Operator : JMB
Sample : 1254 100 Inst : ECD 4
Misc : mix[16]
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:09 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



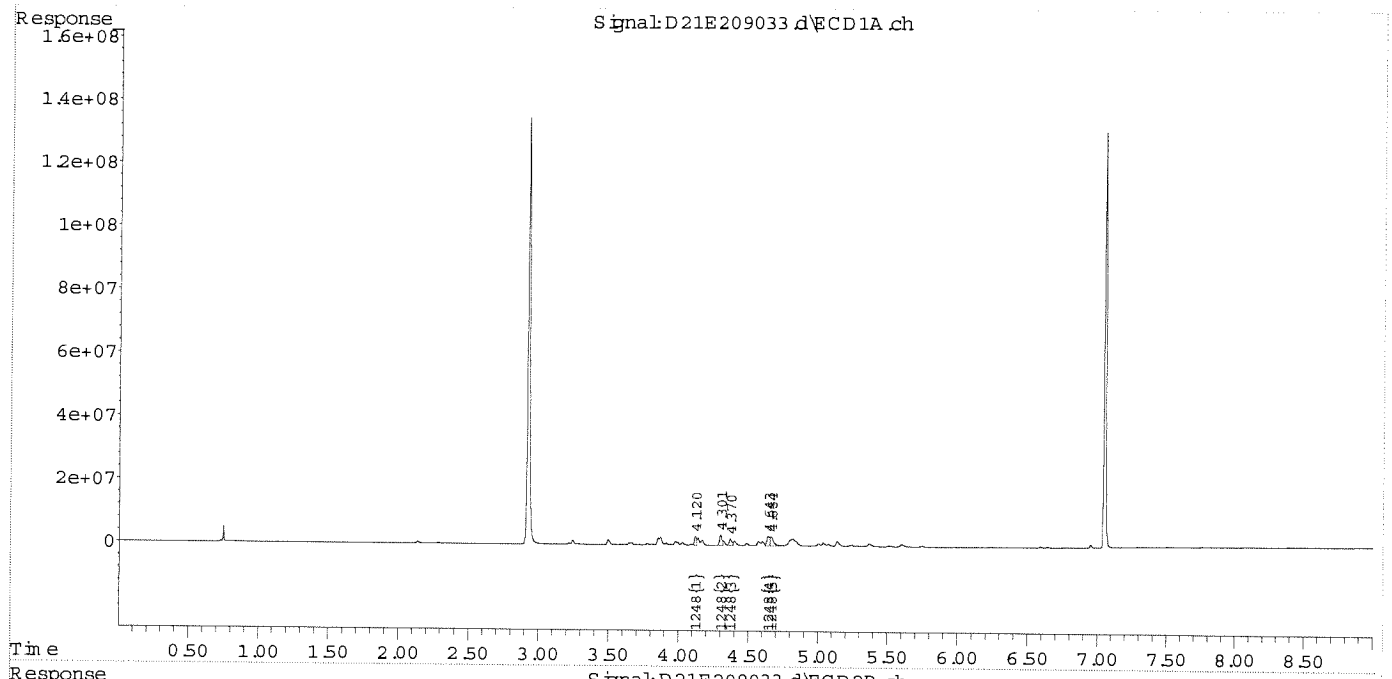


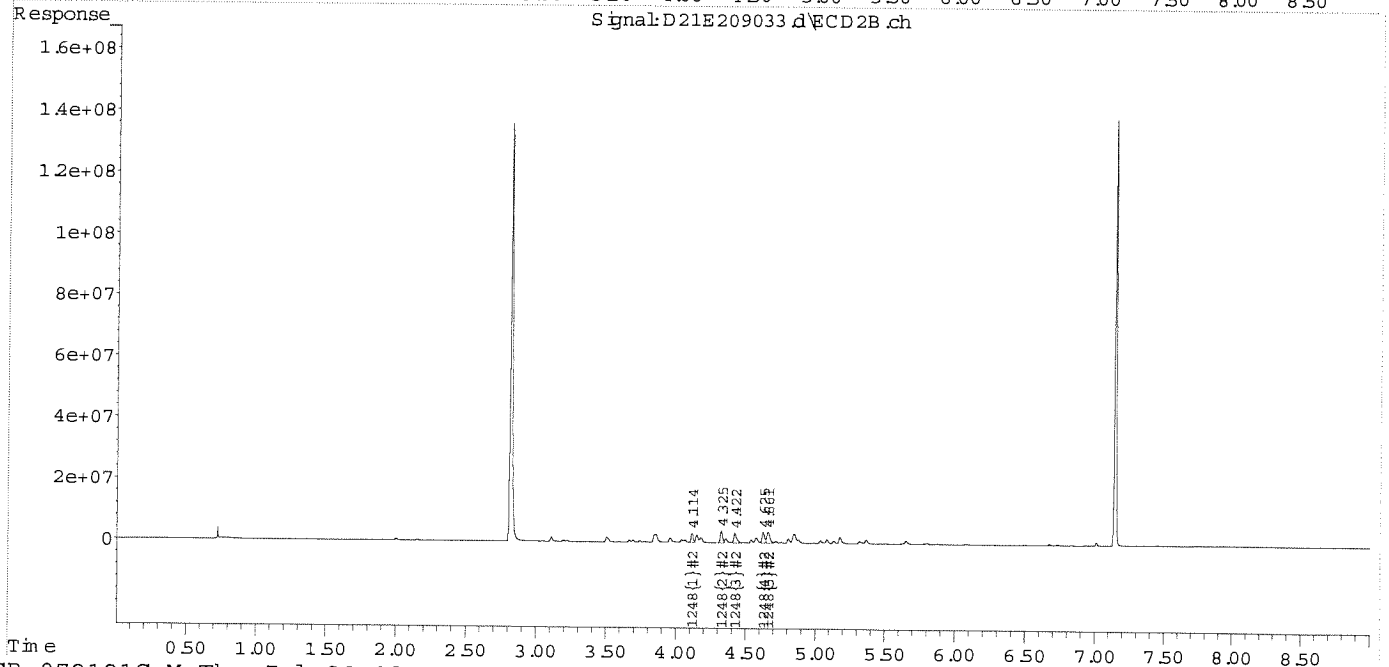
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209033.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:01 pm
Operator : JMB
Sample : 1248 100 Inst : ECD 4
Misc : mix[15]
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:14 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



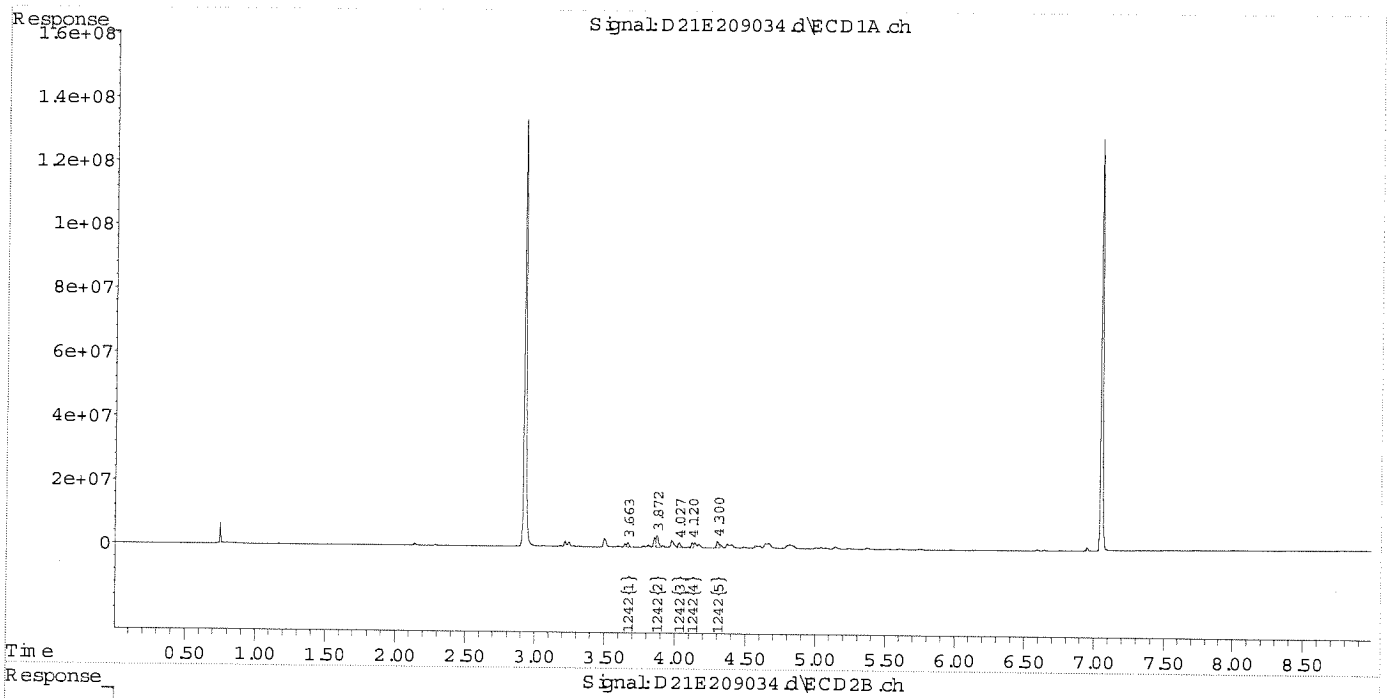


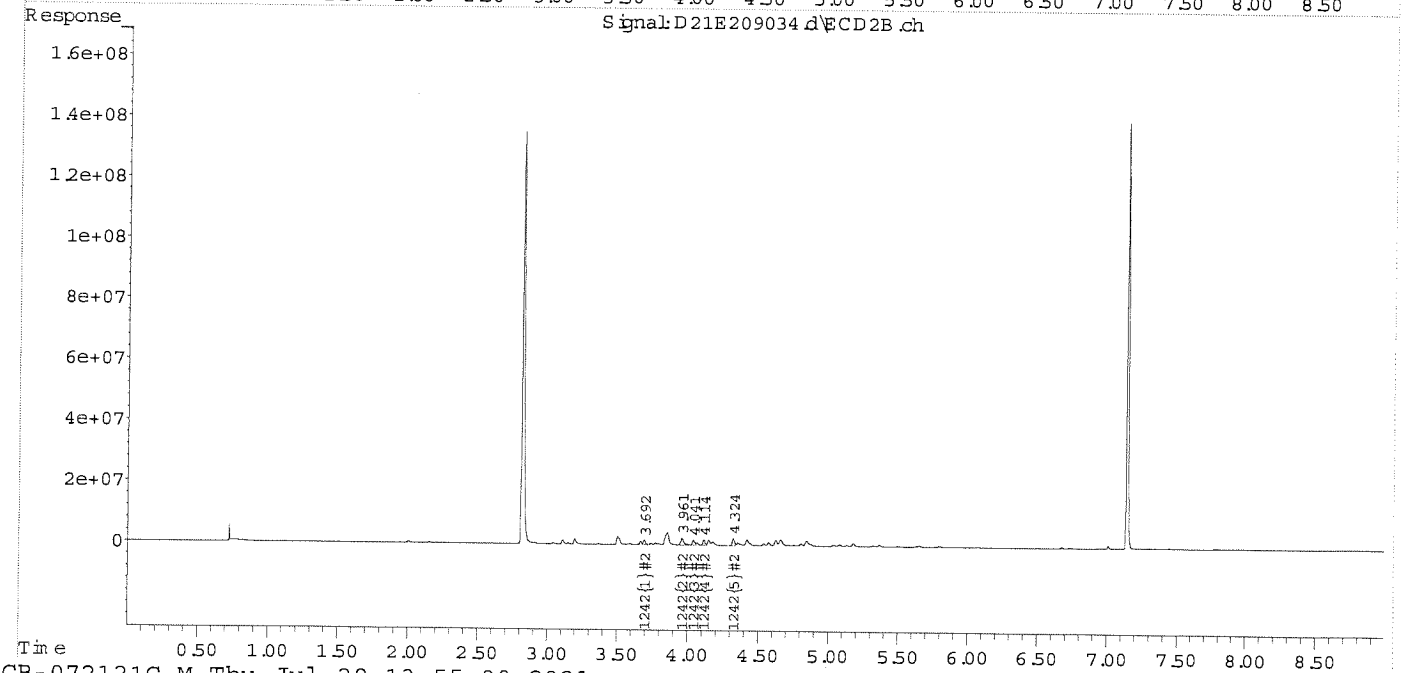
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209034.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:13 pm
Operator : JMB
Sample : 1242 100 Inst : ECD 4
Misc : mix[14]
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:19 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



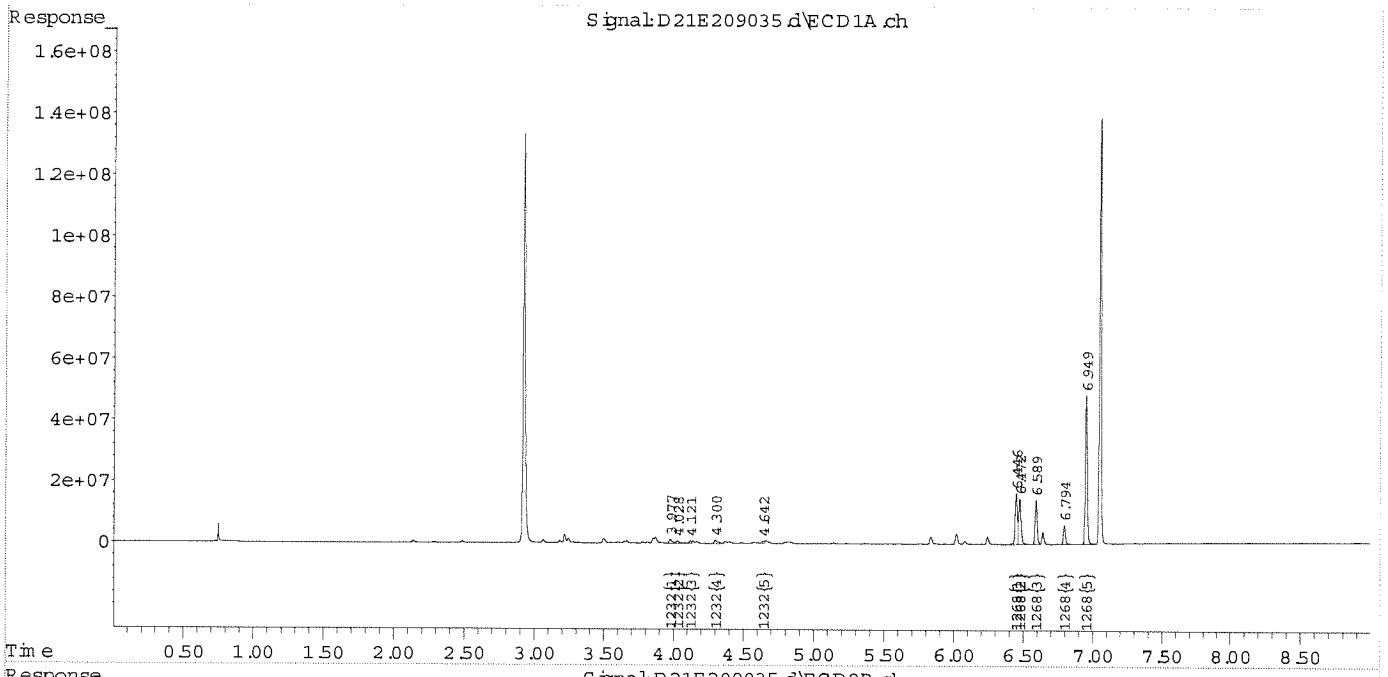


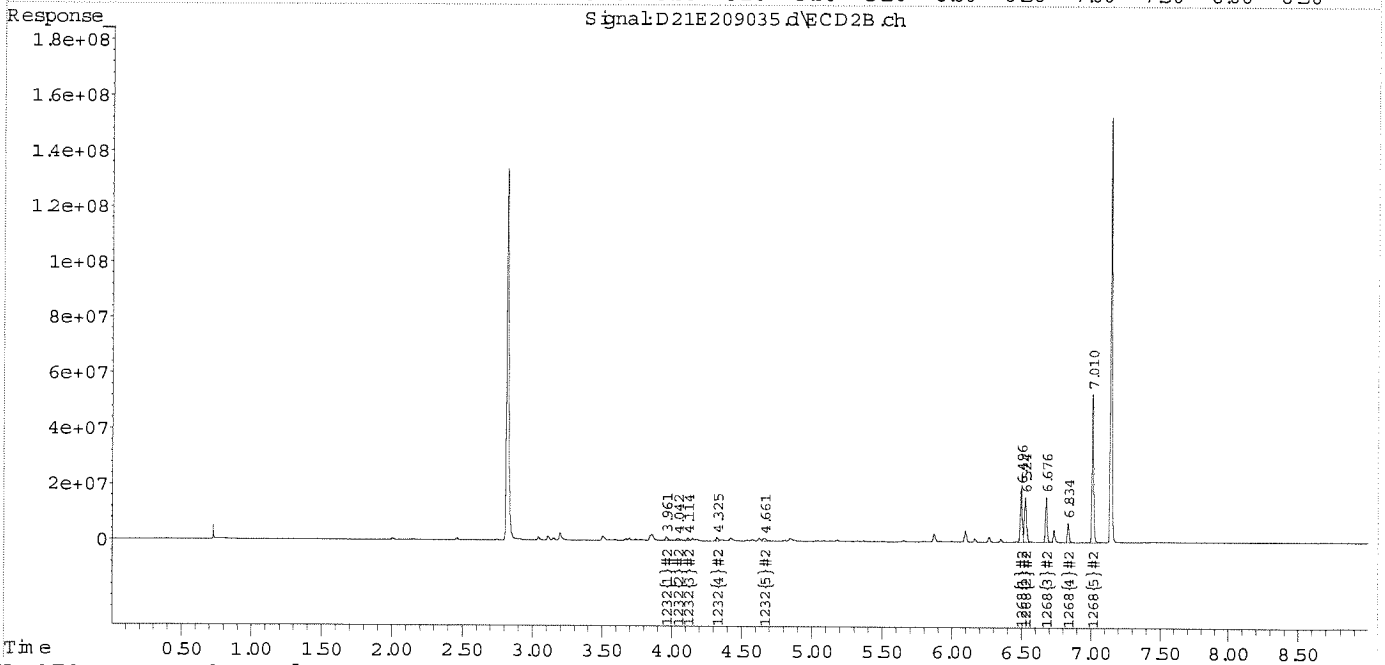
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209035.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:26 pm
Operator : JMB
Sample : 1232/1268 100 Inst : ECD 4
Misc : mix[13,19]
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:24 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



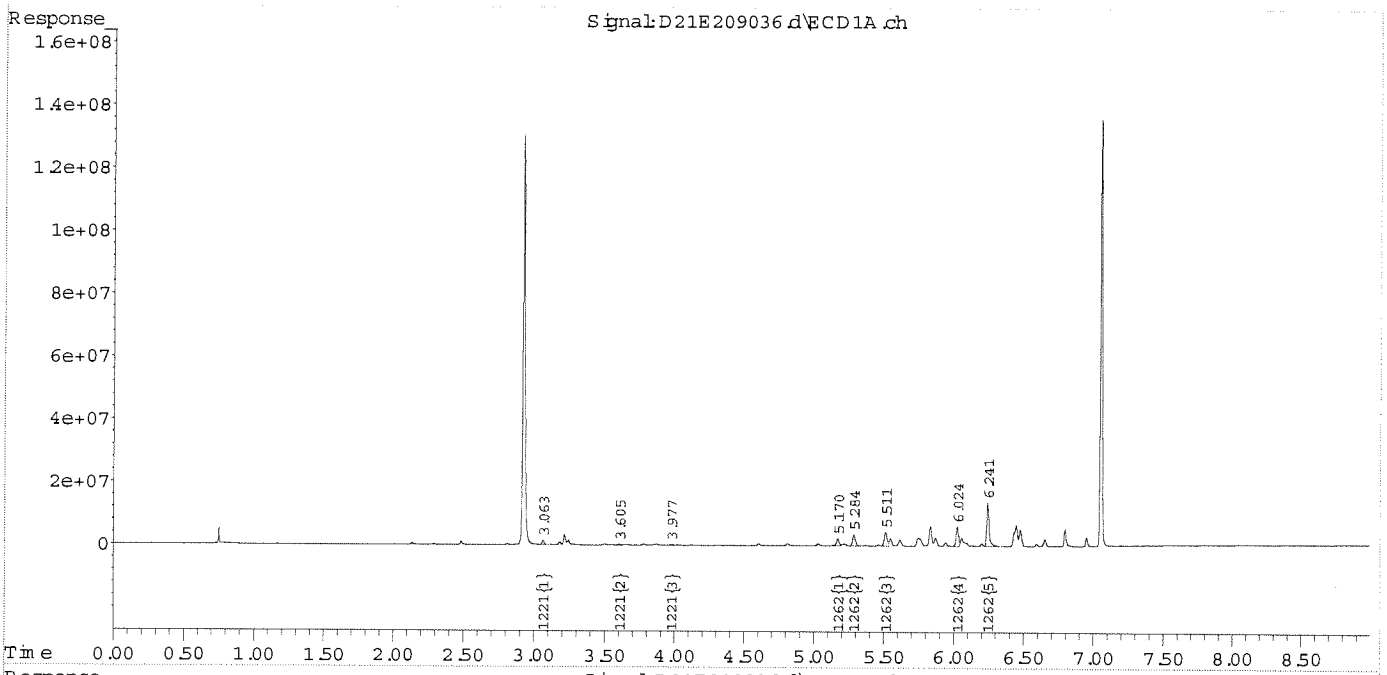


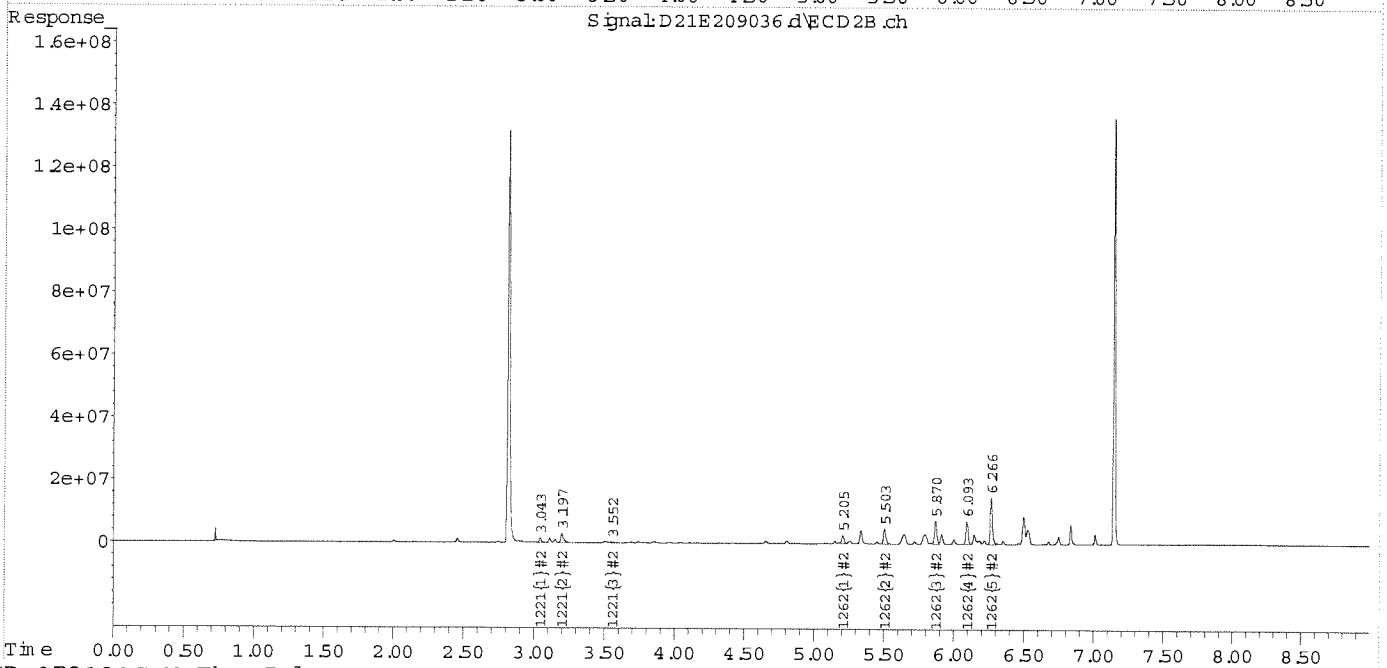
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209036.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:39 pm
Operator : JMB
Sample : 1221/1262 100 Inst : ECD 4
Misc : mix[l2,l8]
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:29 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Building F

Bulk and Substrate Data

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July 29, 2021

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

Project Location: 52 Institute Rd., Burlington, VT (Bldg F)
Client Job Number:
Project Number: 280BS01563 Task 7
Laboratory Work Order Number: 21G0817

Enclosed are results of analyses for samples received by the laboratory on July 15, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kaitlyn A. Feliciano
Project Manager

Table of Contents

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: Jesse Stratton

REPORT DATE: 7/29/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Task 7

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21G0817

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

PROJECT LOCATION: 52 Institute Rd., Burlington, VT (Bldg F)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
210712.F2050.138-1346	21G0817-01	Product/Solid		SW-846 8082A	
210712.F2050.138-1347	21G0817-02	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.

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: 52 Institute Rd., Burlington, VT (Sample Description: Work Order: 21G0817

Date Received: 7/15/2021

Field Sample #: 210712.F2050.138-1346 Sampled: 7/12/2021 13:05

Sample ID: 21G0817-01

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	0.48	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 21:40	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 21:40	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 21:40	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 21:40	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 21:40	TG
Aroclor-1254 [2]	ND	0.48	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 21:40	TG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 21:40	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 21:40	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 21:40	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.6	30-150		7/28/21 21:40
Decachlorobiphenyl [2]	82.0	30-150		7/28/21 21:40
Tetrachloro-m-xylene [1]	92.7	30-150		7/28/21 21:40
Tetrachloro-m-xylene [2]	95.7	30-150		7/28/21 21:40

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Project Location: 52 Institute Rd., Burlington, VT (Sample Description: Work Order: 21G0817

Date Received: 7/15/2021

Field Sample #: 210712.F2050.138-1347 Sampled: 7/12/2021 13:45

Sample ID: 21G0817-02

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	0.48	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 21:58	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 21:58	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 21:58	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 21:58	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 21:58	TG
Aroclor-1254 [2]	ND	0.48	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 21:58	TG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 21:58	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 21:58	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	7/16/21	7/28/21 21:58	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.0	30-150		7/28/21 21:58
Decachlorobiphenyl [2]	67.6	30-150		7/28/21 21:58
Tetrachloro-m-xylene [1]	87.7	30-150		7/28/21 21:58
Tetrachloro-m-xylene [2]	90.2	30-150		7/28/21 21:58

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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
21G0817-01 [210712.F2050.138-1346]	B286167	2.07	10.0	07/16/21
21G0817-02 [210712.F2050.138-1347]	B286167	2.09	10.0	07/16/21

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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 B286167 - SW-846 3540C										
Blank (B286167-BLK1)				Prepared: 07/16/21 Analyzed: 07/28/21						
Aroclor-1016	ND	0.097	mg/Kg							
Aroclor-1016 [2C]	ND	0.097	mg/Kg							
Aroclor-1221	ND	0.097	mg/Kg							
Aroclor-1221 [2C]	ND	0.097	mg/Kg							
Aroclor-1232	ND	0.097	mg/Kg							
Aroclor-1232 [2C]	ND	0.097	mg/Kg							
Aroclor-1242	ND	0.097	mg/Kg							
Aroclor-1242 [2C]	ND	0.097	mg/Kg							
Aroclor-1248	ND	0.097	mg/Kg							
Aroclor-1248 [2C]	ND	0.097	mg/Kg							
Aroclor-1254	ND	0.097	mg/Kg							
Aroclor-1254 [2C]	ND	0.097	mg/Kg							
Aroclor-1260	ND	0.097	mg/Kg							
Aroclor-1260 [2C]	ND	0.097	mg/Kg							
Aroclor-1262	ND	0.097	mg/Kg							
Aroclor-1262 [2C]	ND	0.097	mg/Kg							
Aroclor-1268	ND	0.097	mg/Kg							
Aroclor-1268 [2C]	ND	0.097	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.858*		mg/Kg	0.971		88.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.832*		mg/Kg	0.971		85.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.815*		mg/Kg	0.971		83.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.839*		mg/Kg	0.971		86.4	30-150			
LCS (B286167-BS1)				Prepared: 07/16/21 Analyzed: 07/28/21						
Aroclor-1016	0.84	0.098	mg/Kg	0.976		85.6	40-140			
Aroclor-1016 [2C]	0.82	0.098	mg/Kg	0.976		84.2	40-140			
Aroclor-1260	0.72	0.098	mg/Kg	0.976		73.3	40-140			
Aroclor-1260 [2C]	0.71	0.098	mg/Kg	0.976		72.3	40-140			
Surrogate: Decachlorobiphenyl	*0.819*		mg/Kg	0.976		84.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.793*		mg/Kg	0.976		81.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.818*		mg/Kg	0.976		83.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.843*		mg/Kg	0.976		86.4	30-150			
LCS Dup (B286167-BSD1)				Prepared: 07/16/21 Analyzed: 07/28/21						
Aroclor-1016	0.81	0.099	mg/Kg	0.990		81.5	40-140	3.54	30	
Aroclor-1016 [2C]	0.78	0.099	mg/Kg	0.990		78.9	40-140	5.06	30	
Aroclor-1260	0.65	0.099	mg/Kg	0.990		66.0	40-140	9.08	30	
Aroclor-1260 [2C]	0.65	0.099	mg/Kg	0.990		66.0	40-140	7.60	30	
Surrogate: Decachlorobiphenyl	*0.736*		mg/Kg	0.990		74.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.715*		mg/Kg	0.990		72.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.780*		mg/Kg	0.990		78.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.799*		mg/Kg	0.990		80.7	30-150			

con-test®
A Pace Analytical® Laboratory

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B286167-BS1 Date(s) Analyzed: 07/28/2021 07/28/2021

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	0.84	
	2	0.000	0.000	0.000	0.82	2.4
Aroclor-1260	1	0.000	0.000	0.000	0.72	
	2	0.000	0.000	0.000	0.71	1.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B286167-BSD1 Date(s) Analyzed: 07/28/2021 07/28/2021

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	0.81	
	2	0.000	0.000	0.000	0.78	3.8
Aroclor-1260	1	0.000	0.000	0.000	0.65	
	2	0.000	0.000	0.000	0.65	0.0

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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 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	03/1/2022
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	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
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	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

2106817

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:
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980

Project Name:
Project Location: 52 Institue Road, Burlington, Vermont
Project Number: 280BS01563
Project Manager: Andra Liberty
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: J. Adams, K. Paritz

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

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

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 Method 3500B/3540C (Soxhlet Region 1) for extractio	EPA Method 8082
1	210712.F2050.138-1346	7/12/21	1305	Grab	O	U		1				✓	✓
2	210712.F2050.138-1347	7/12/21	1345	Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓

[2] Preservation Code

Courier Use Only

Total Number Of:
VIALS
GLASS 2
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)

Relinquished by: (signature)	Date/Time: 7/12/21 1420
Received by: (signature) to Attlas Office	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 7/15/21 945
Relinquished by: (signature)	Date/Time: 7/15 1625
Received by: (signature) 2.0	Date/Time: 7/15 1625
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab 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

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

con-test® ANALYTICAL LABORATORY

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 [signature] Date 7/15/21 Time 1625

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

Direct from Sampling _____ Ambient _____ Melted Ice _____

By Gun # 5 Actual Temp - 2.0

Were samples within Temperature? 2-6°C T 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	2
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:

PREPARATION BENCH SHEET

Printed: 7/16/2021 12:33:12PM

Analysis
8082 Soxhlet

B286167

t, a Pace Analytical Laboratory

7/1/21

pared using: SW-846 3540C

Surrogate Solution
2107069 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

TG 7/29/21

(* change for 21G0816-02)

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B286167-BLK1	Blank			AAM 7/22/21		~~10.0~~ 2.06 G	G G 10		1000		
B286167-BS1	LCS					~~10.0~~ 2.05 G	G G	1000	1000		
B286167-BSD1	LCS Dup					~~10.0~~ 2.02 G	G G	1000	1000		
B286167-MS1	Matrix Spike [21G0816-01] *			AAM 7/22/21		2.03		1000	1000		
B286167-MSD1	Matrix Spike Dup [21G0816-01] *					2.09		1000	1000		
21G0816-01	210712.E2050.138-1342 3A	07/29/21	07/26/21			2.01			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0816-02	210712.E2050.138-1343	07/29/21	07/26/21			2.02			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0816-03	210702.E2051.138-1344	07/29/21	07/16/21			0.20	1.0		~~1000~~ 160	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0816-04	210702.E2051.138-1345	07/29/21	07/16/21			0.46	2.0		~~1000~~ 200	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0817-01	210712.F2050.138-1346	07/29/21	07/26/21			2.07	10		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0817-02	210712.F2050.138-1347	07/29/21	07/26/21			2.09			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0818-01	210223.D2050.137-1340	07/29/21	03/09/21			2.03			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0818-02	210223.D2050.137-1341	07/29/21	03/09/21			1.26	5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0819-01	210702.C2050.137-1336	07/29/21	07/16/21	AAM 7/22/21		1.67	~~T~~ 5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10

(*) GG KMC (Wit) 7/16/2021
Checked/Witnessed By Date

GGG 07/16/2021
Extracted By Date

Loaded 071821 #4 TG
Prepped 071821 TR

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B286167

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 7/16/2021 12:33:12PM

Surrogate Solution
2107069 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
21G0819-02	210702.C2050.137-1337	07/29/21	07/16/21	AAM 7/22/21		1.35	~~10~~ 5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0819-03	210702.C2051.137-1338	07/29/21	07/16/21			0.50	2.0		~~1000~~ 200	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0819-04	210702.C2051.137-1339	07/29/21	07/16/21			1.00	5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-01	210702.B2050.137-1332	07/29/21	07/16/21			0.45	2.0		~~1000~~ 200	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-02	210702.B2050.137-1333	07/29/21	07/16/21			2.02	10		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-03	210702.B2051.137-1334	07/29/21	07/16/21			2.03	"		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0820-04	210702.B2051.137-1335	07/29/21	07/16/21			2.02	"		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0821-01	210702.A2050.137-1330	07/29/21	07/16/21			0.09	1.0		~~1000~~ 100	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G0821-02	210702.A2050.137-1331	07/29/21	03/10/21			1.72	5.0		~~1000~~ 500	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10

kedby/Witnessed By Date

Extracted By Date

LMNT\Print\bch_DEF_EXT_TAT.rpt

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B286167

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 7/16/2021 12:33:12PM

Surrogate Solution
2107069 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Start Date/Time:
Stop Date/Time:
SPK: OAH
Start Date/Time 07/16/21 @ 16:12
WIT: PTK
StopDate/Time 7/17/21 ~~17~~ 12:10

Standard ID#	Description	Manufacture Lot#
2105200	Hexanes 95%	207414
2106532	Sodium Sulfate (Drum 45.5kg)	0000282237
2106615	Acetone	210382
2107002	Distilled Solvent Hexanes:Acetone	2:1 Hexanes:Ace
2107003	Distilled Solvent - MeCl2	DCM/ACE
2107023	Filter Paper (Fisher) 15.0cm	17275732

kedby/Witnessed By Date

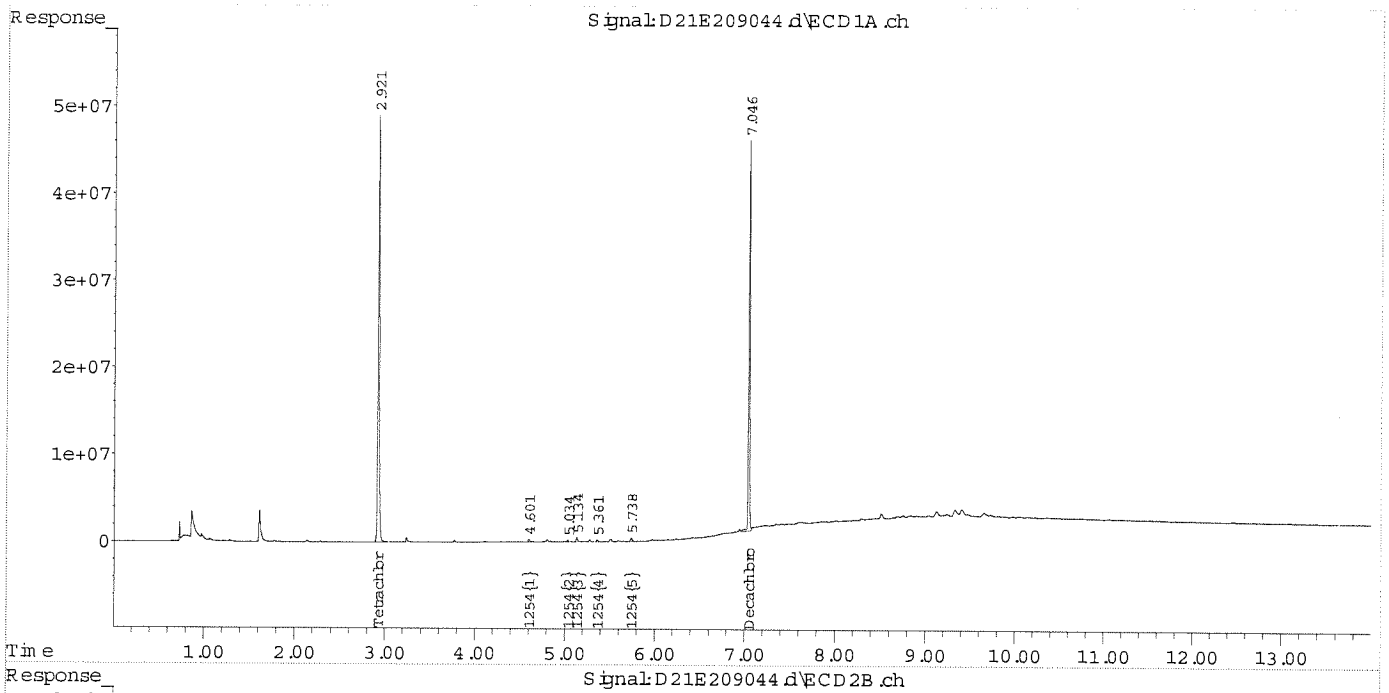
Extracted By Date

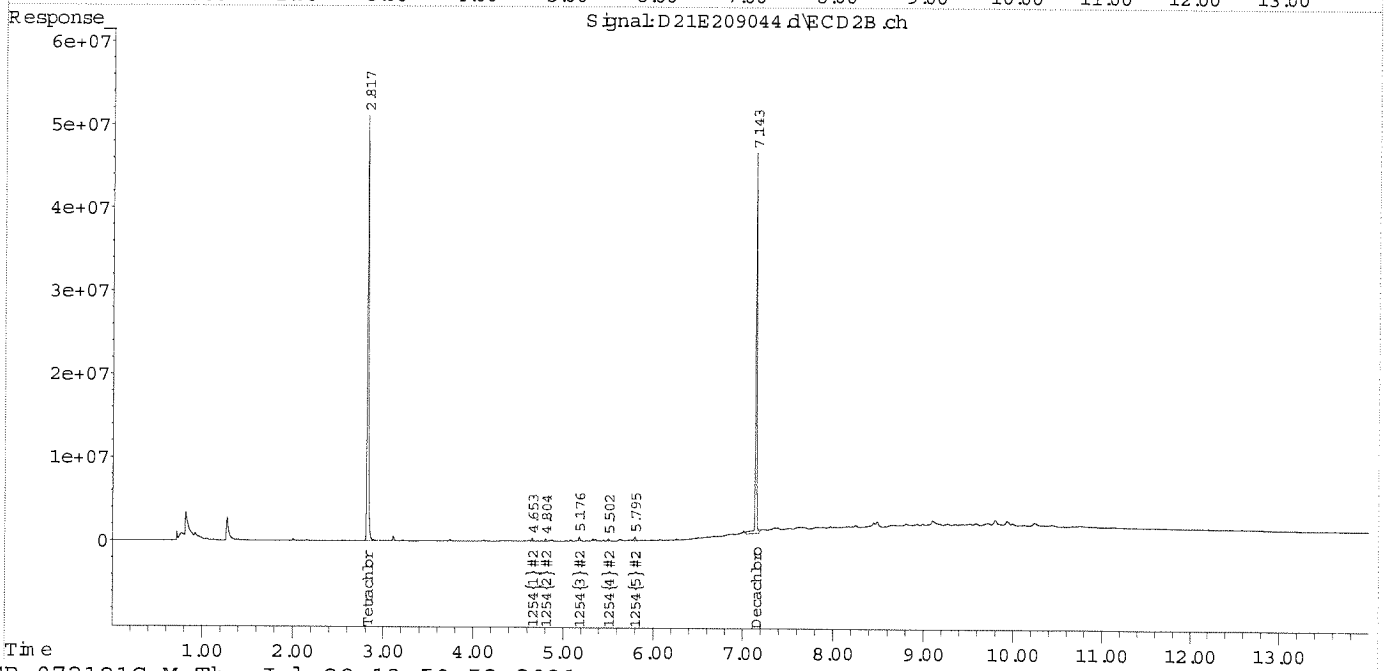
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209044.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 9:40 pm
Operator : JMB
Sample : 21G0817-01@5X TBA Inst : ECD 4
Misc :
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 08:42:21 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCBLONG.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



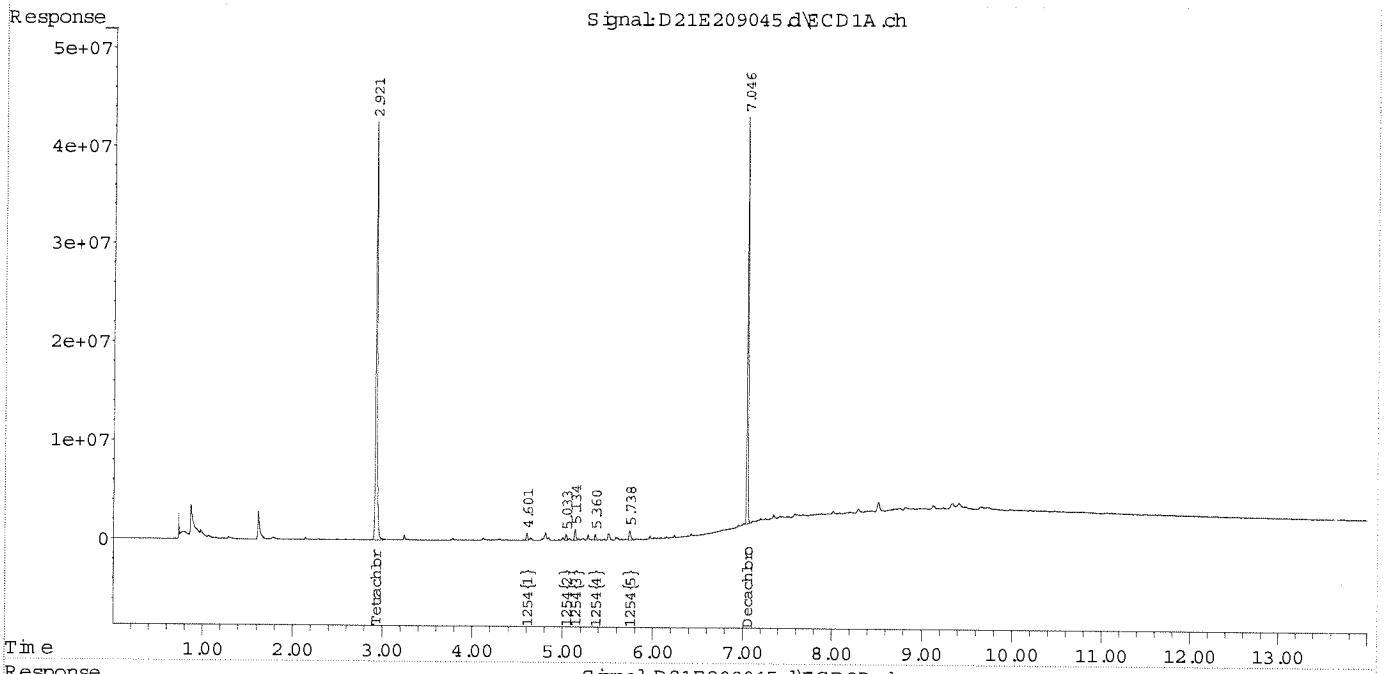


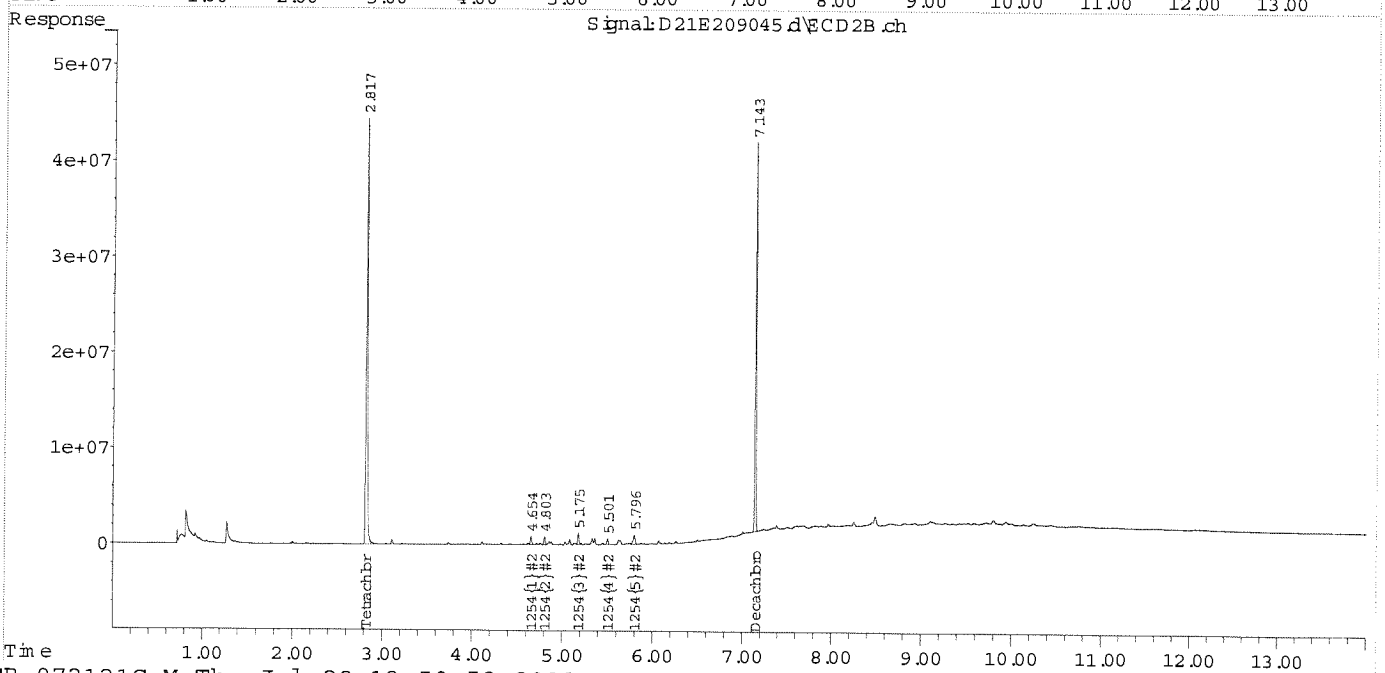
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209045.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 9:58 pm
Operator : JMB
Sample : 21G0817-02@5X TBA Inst : ECD 4
Misc :
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 08:43:05 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCBLONG.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



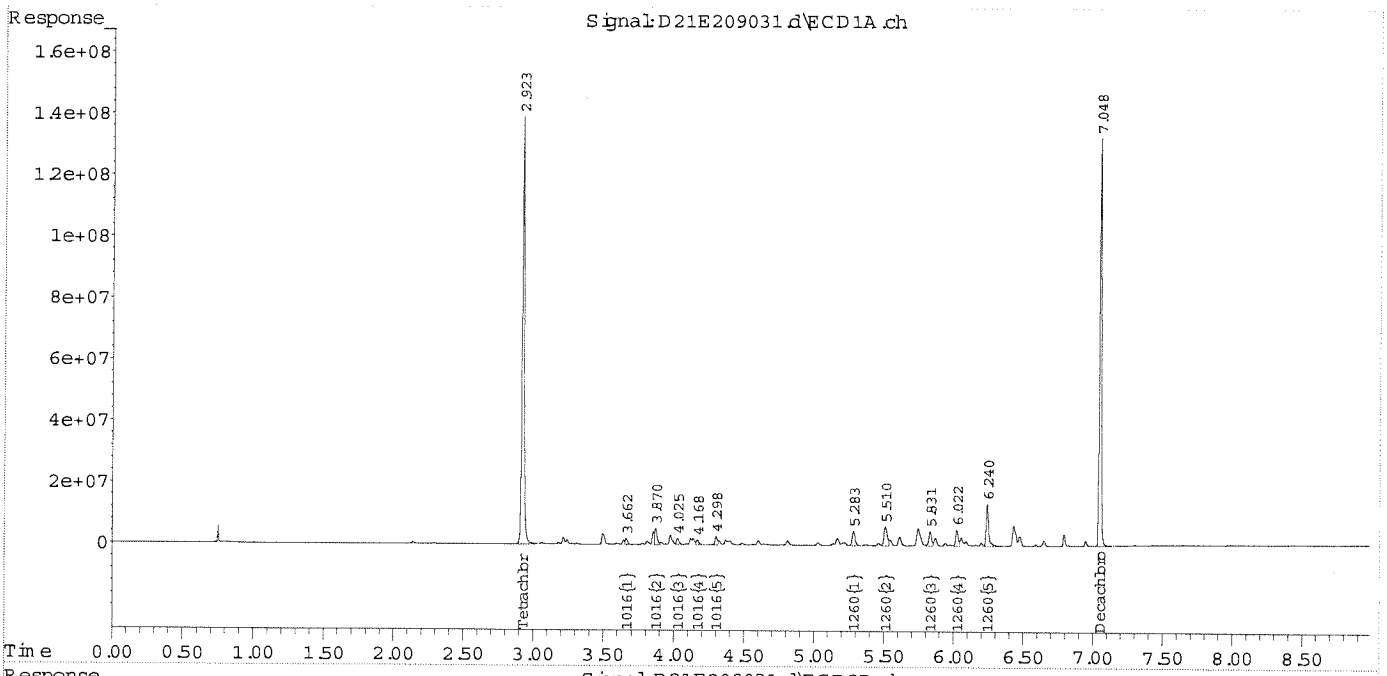


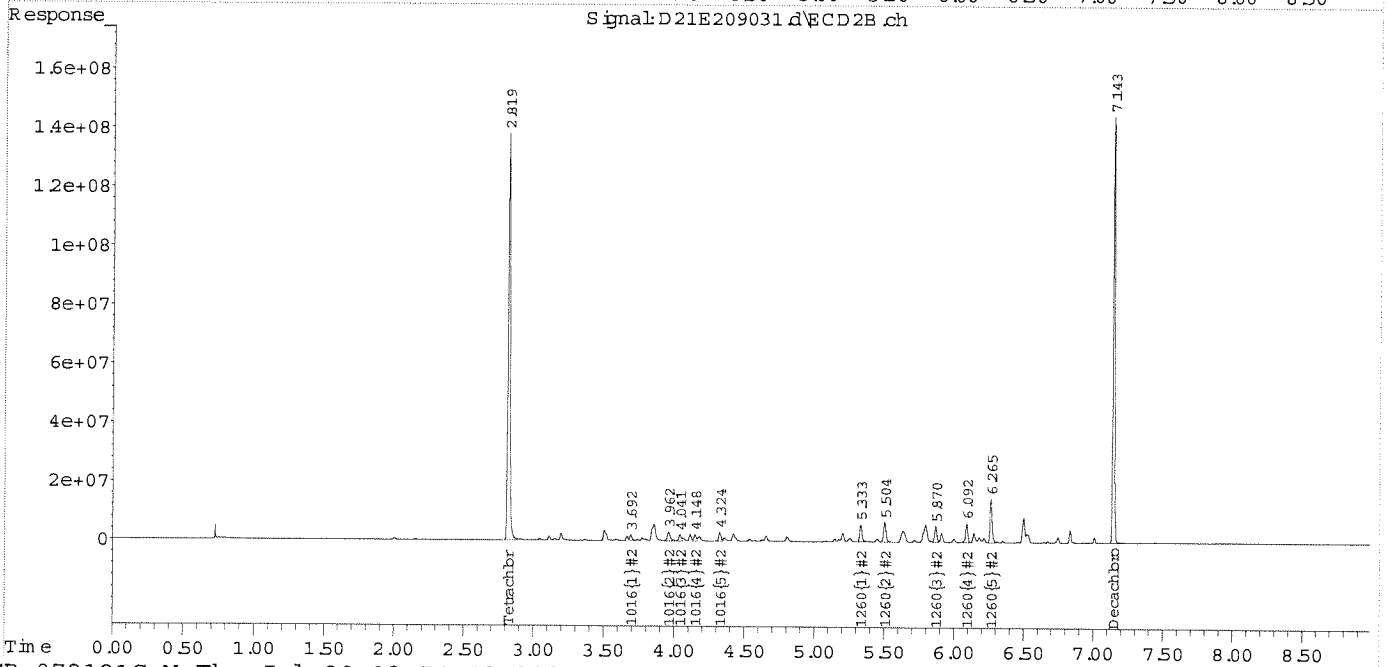
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209031.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 6:35 pm
Operator : JMB
Sample : 1260/1016 100 Inst : ECD 4
Misc : mix[s,l1,l7]
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 08:31:01 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029!
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



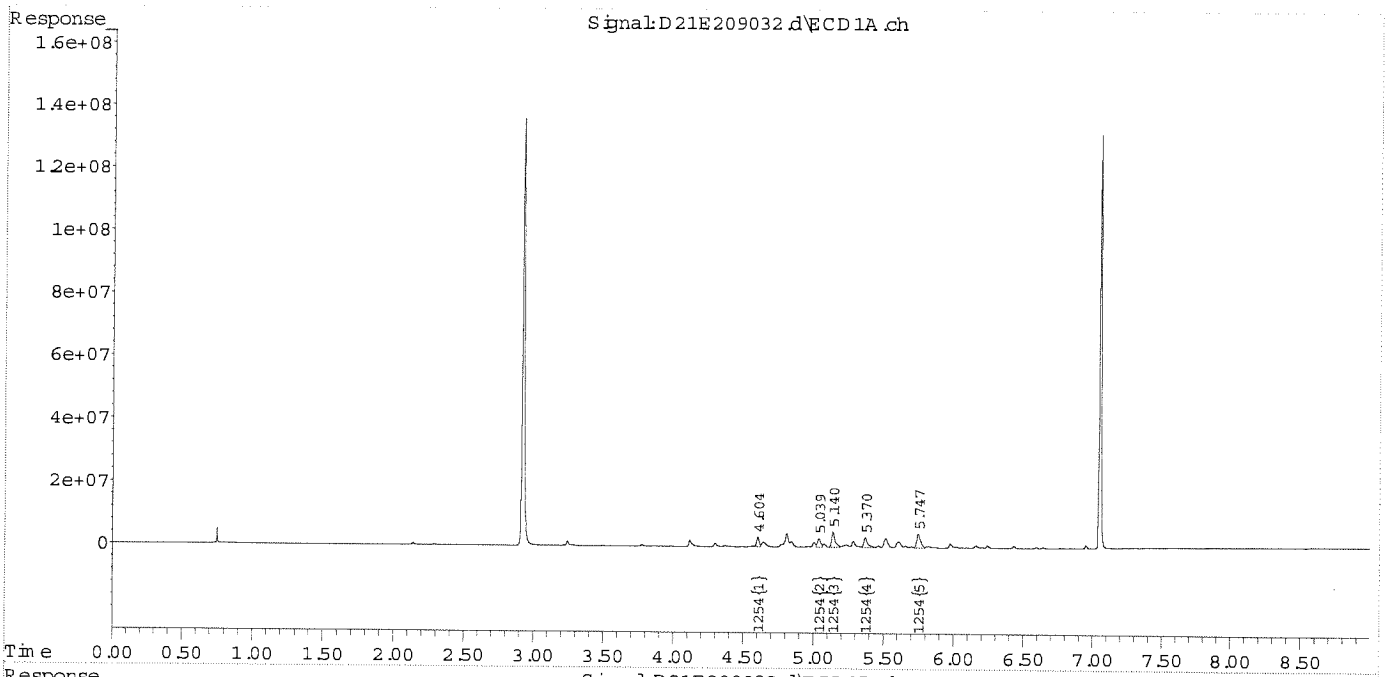


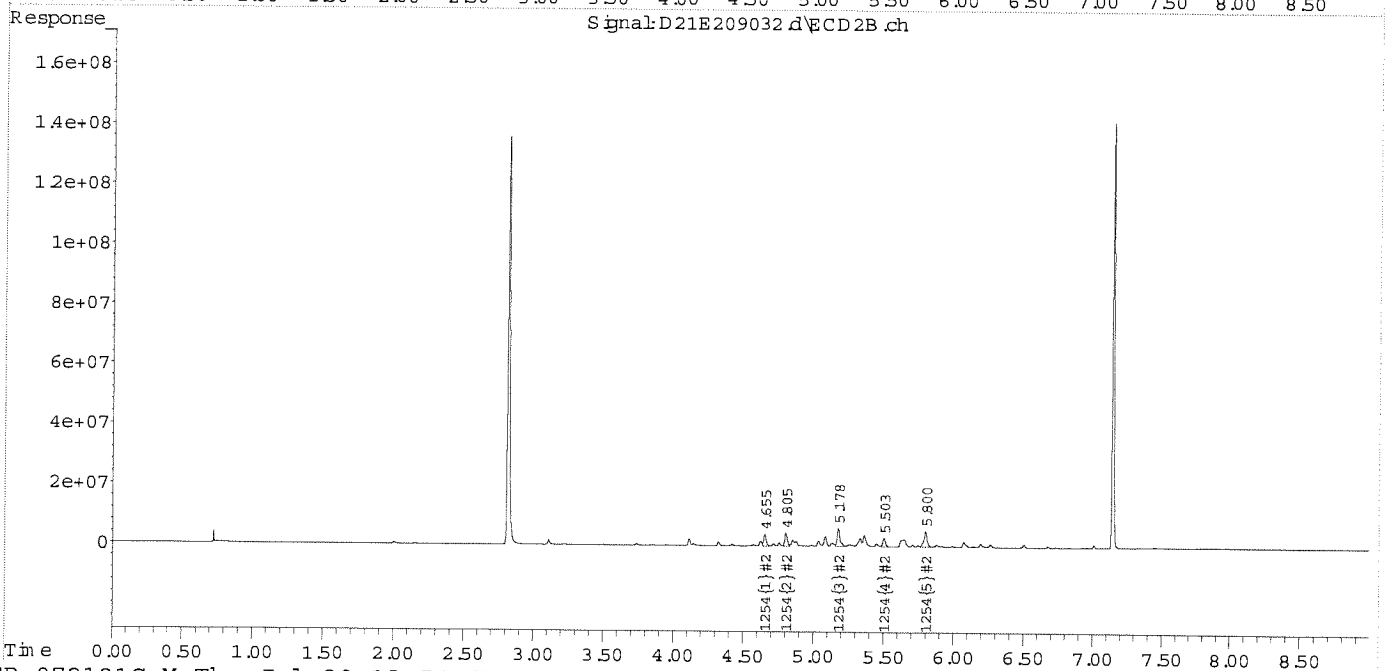
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209032.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 6:48 pm
Operator : JMB
Sample : 1254 100 Inst : ECD 4
Misc : mix[16]
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:09 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



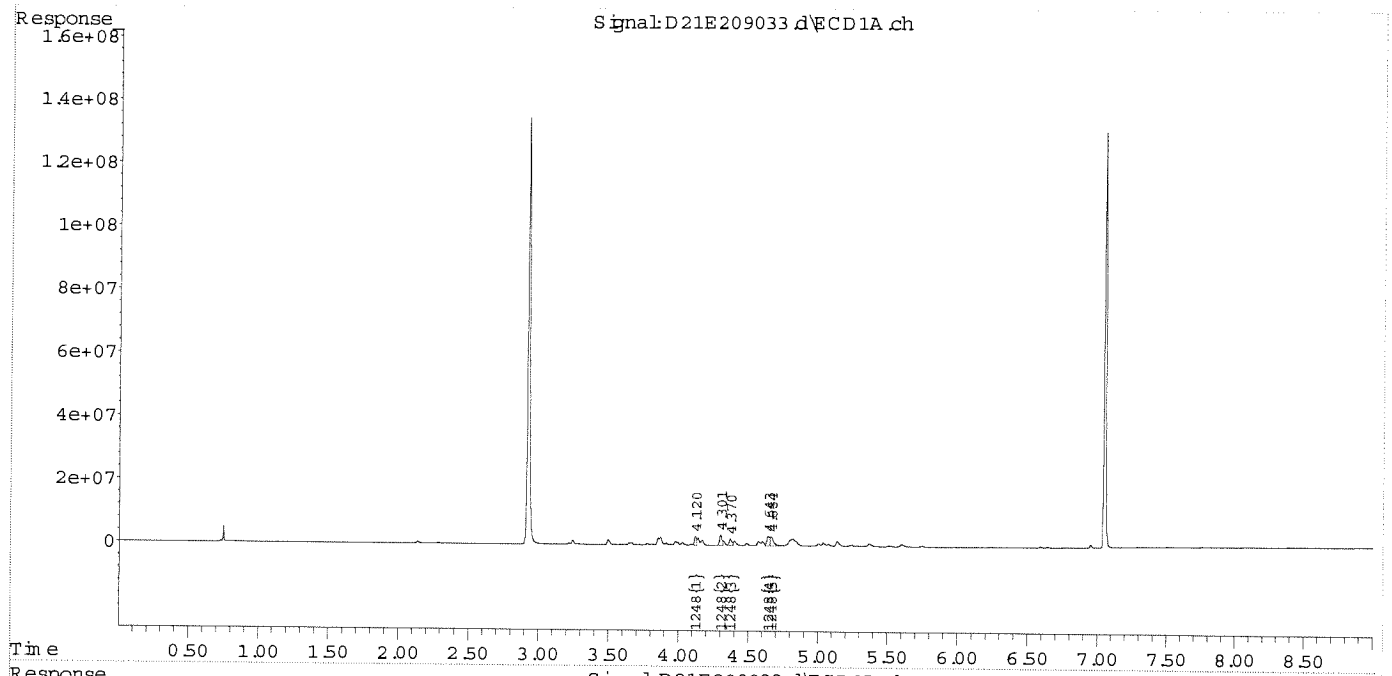


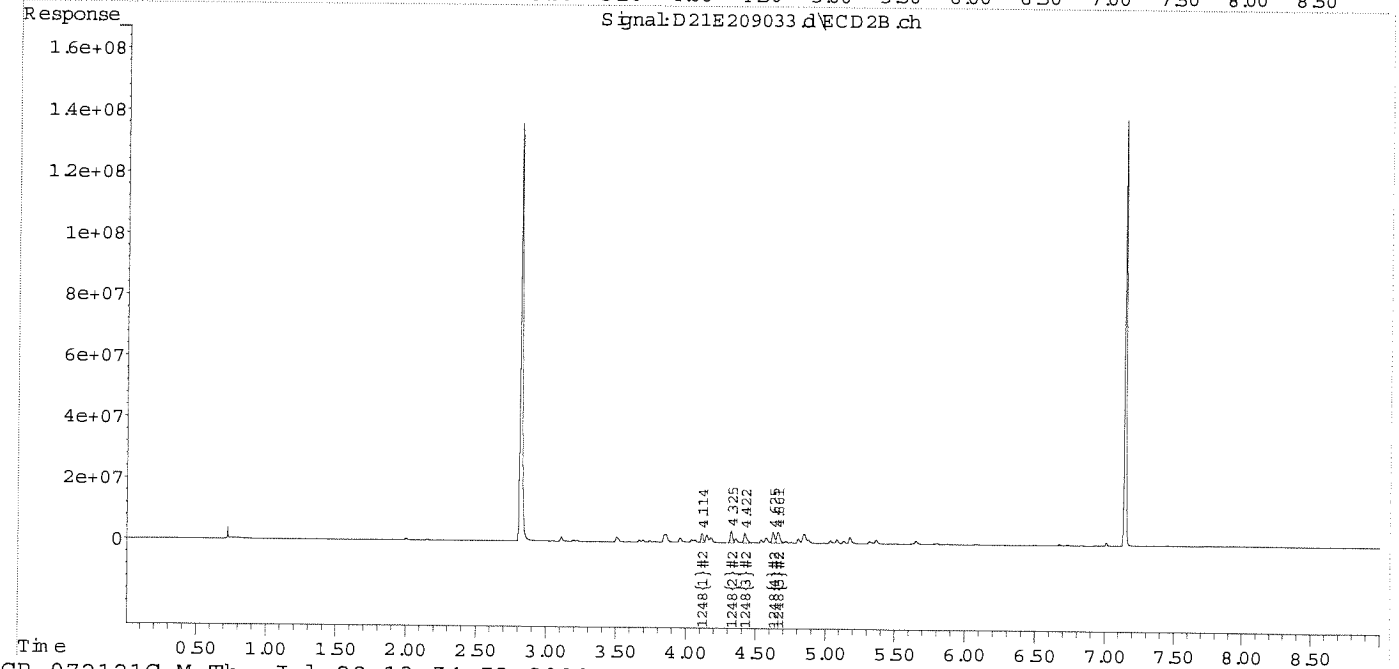
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209033.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:01 pm
Operator : JMB
Sample : 1248 100 Inst : ECD 4
Misc : mix[15]
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:14 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



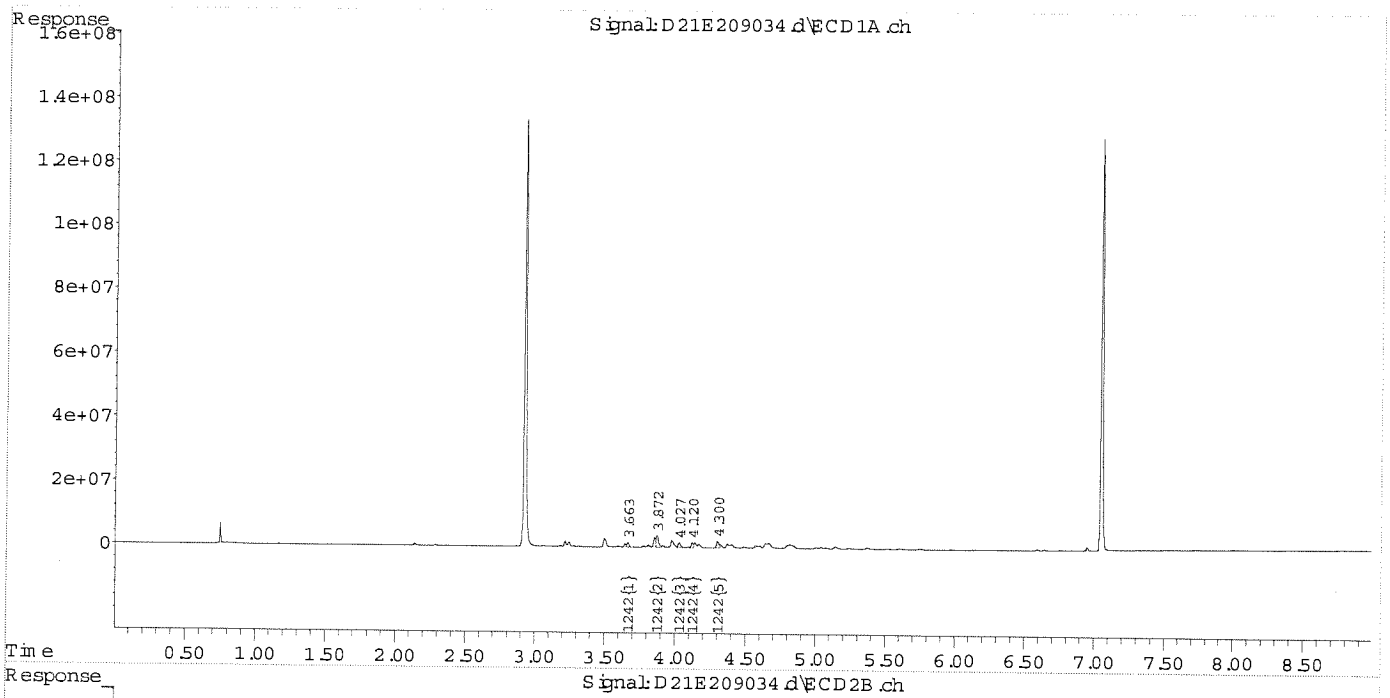


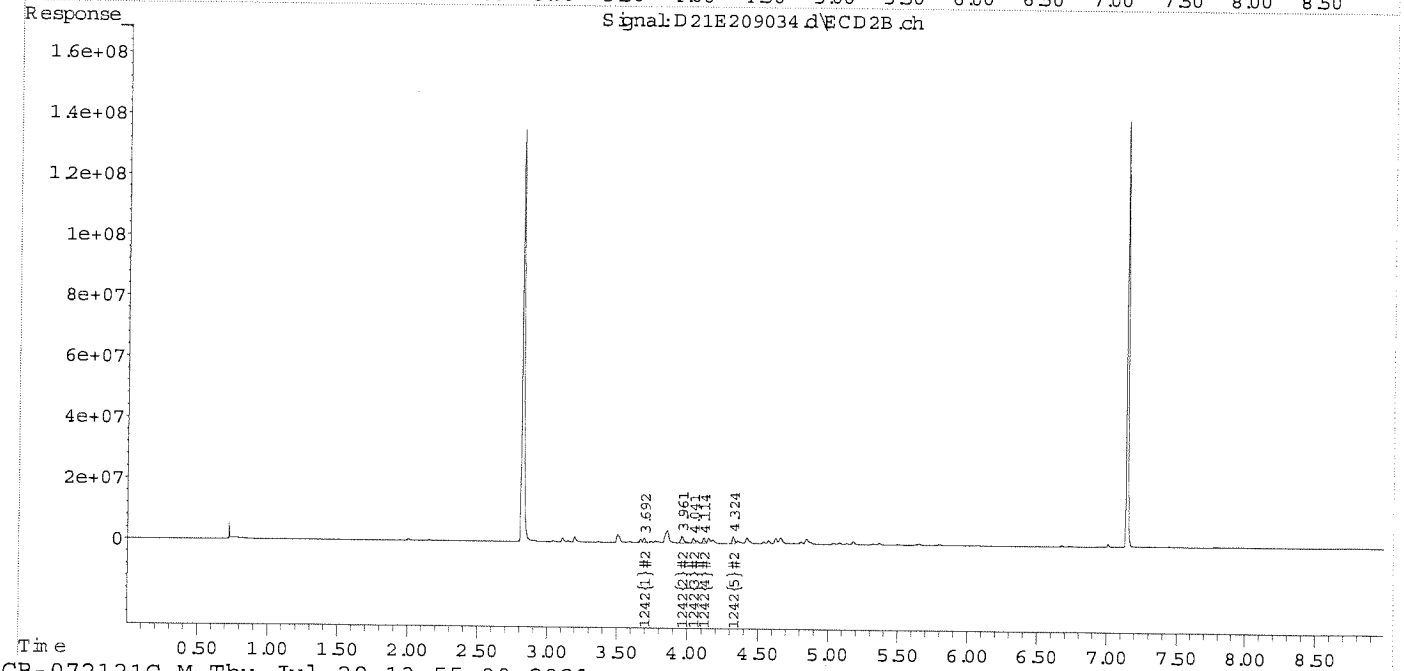
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209034.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:13 pm
Operator : JMB
Sample : 1242 100 Inst : ECD 4
Misc : mix[14]
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:19 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



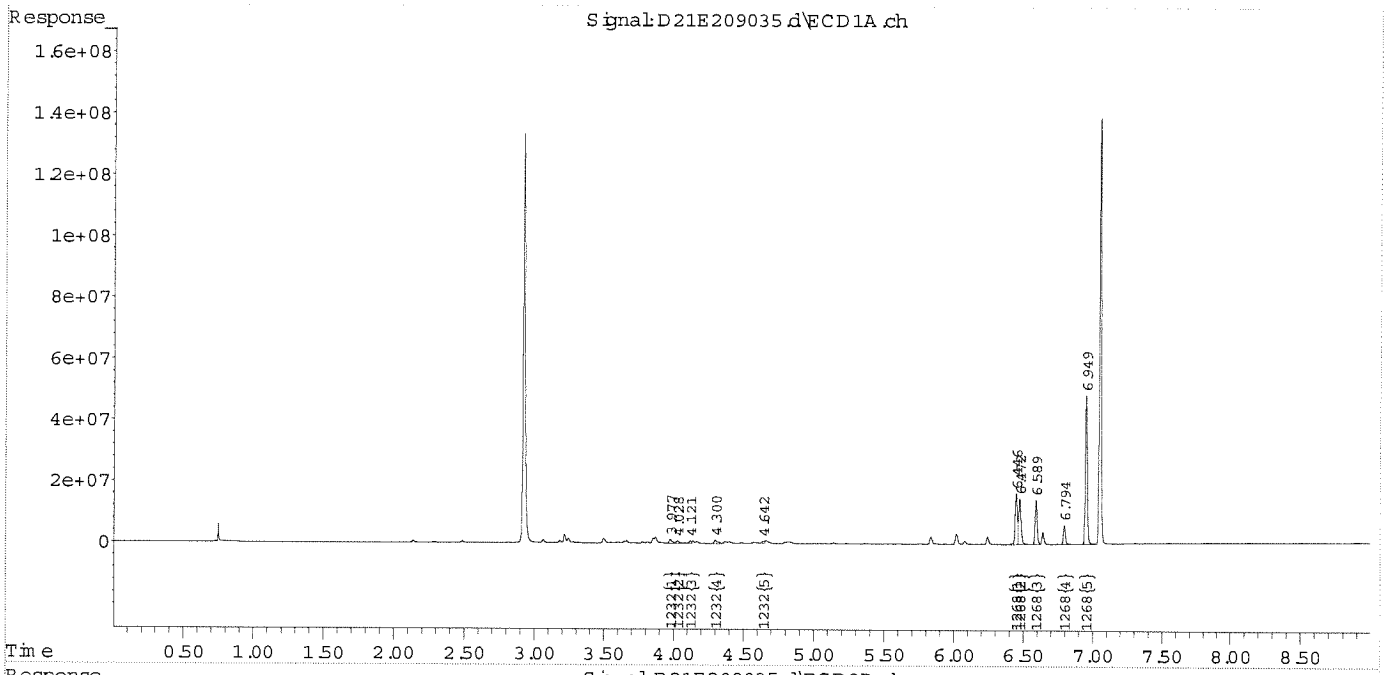


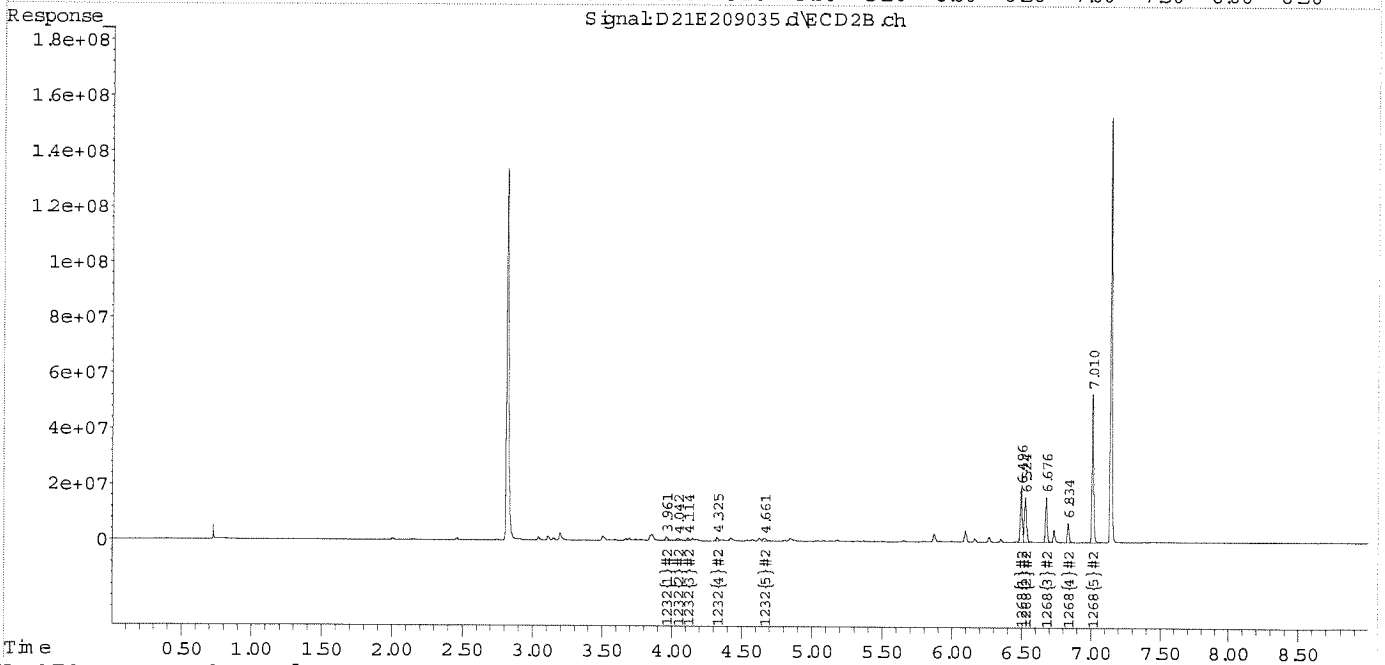
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209035.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:26 pm
Operator : JMB
Sample : 1232/1268 100 Inst : ECD 4
Misc : mix[13,19]
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:24 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



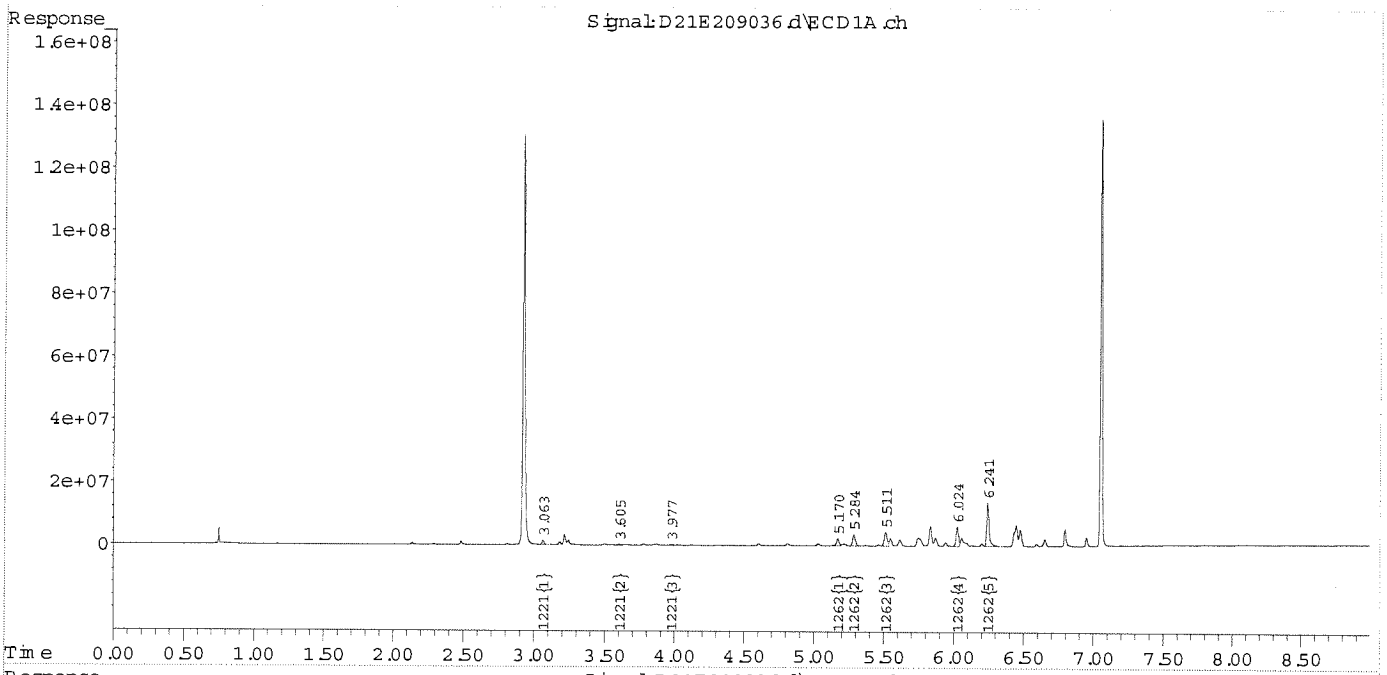


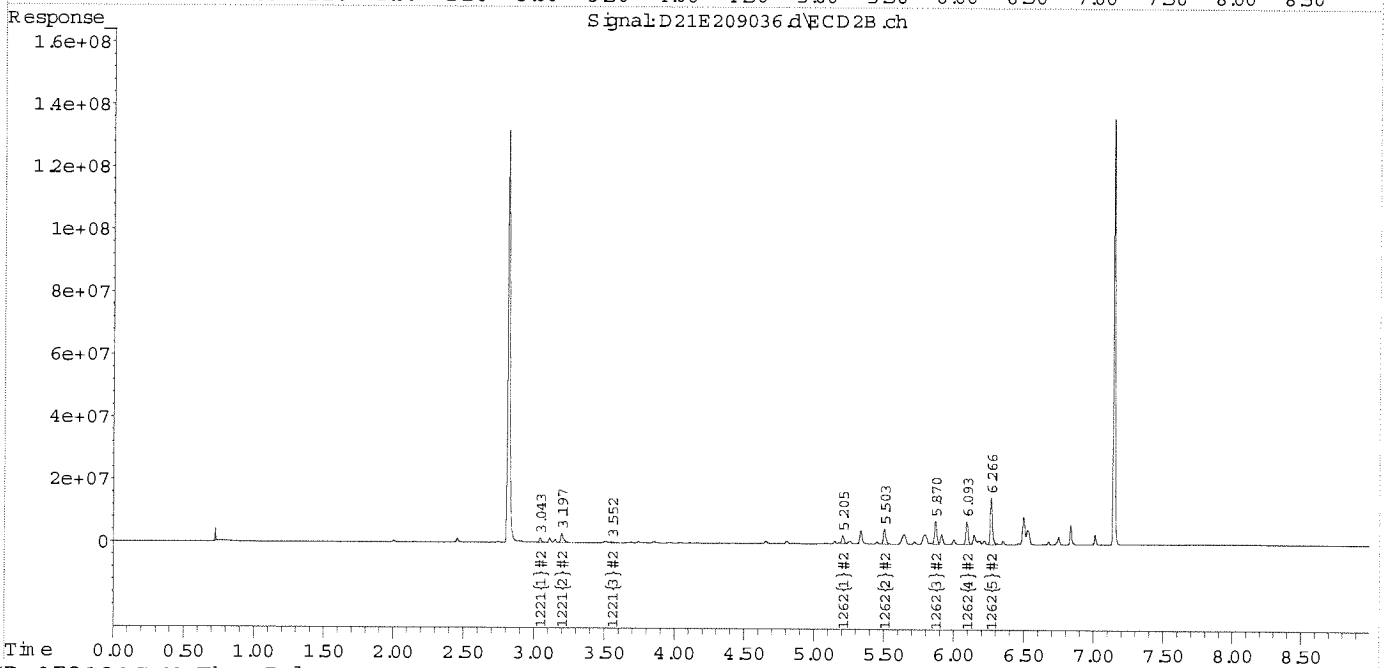
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072821a\
Data File : D21E209036.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2021 7:39 pm
Operator : JMB
Sample : 1221/1262 100 Inst : ECD 4
Misc : mix[l2,l8]
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 29 07:09:29 2021
Quant Method : C:\msdchem\1\methods\pcb methods\4-PCB-072121C.M
DataAcq Meth:PCB02.M
Quant Title : 60/16-072121, 54-061221, 48-061221, 42-061221, 32/68-061221, 21/62-061221 210029
QLast Update : Wed Jul 21 15:33:02 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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August 2, 2021

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

Project Location: 52 Institute Road, Burlington, VT
Client Job Number:
Project Number: 280BS01563 Task 7
Laboratory Work Order Number: 21G1517

Enclosed are results of analyses for samples received by the laboratory on July 27, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kaitlyn A. Feliciano
Project Manager

Table of Contents

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

REPORT DATE: 8/2/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280BS01563 Task 7

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21G1517

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

PROJECT LOCATION: 52 Institute Road, Burlington, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
210723.F2051.140-1351	21G1517-01	Product/Solid		SW-846 8082A	
210723.F2051.140-1352	21G1517-02	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:

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
21G1517-01[210723.F2051.140-1351], 21G1517-02[210723.F2051.140-1352]

Decachlorobiphenyl [2C]
21G1517-01[210723.F2051.140-1351], 21G1517-02[210723.F2051.140-1352]

Tetrachloro-m-xylene
21G1517-01[210723.F2051.140-1351], 21G1517-02[210723.F2051.140-1352]

Tetrachloro-m-xylene [2C]
21G1517-01[210723.F2051.140-1351], 21G1517-02[210723.F2051.140-1352]

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: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21G1517

Date Received: 7/27/2021

Field Sample #: 210723.F2051.140-1351 Sampled: 7/23/2021 10:50

Sample ID: 21G1517-01

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	99	mg/Kg	1000		SW-846 8082A	7/29/21	7/31/21 22:17	TG
Aroclor-1221 [1]	ND	99	mg/Kg	1000		SW-846 8082A	7/29/21	7/31/21 22:17	TG
Aroclor-1232 [1]	ND	99	mg/Kg	1000		SW-846 8082A	7/29/21	7/31/21 22:17	TG
Aroclor-1242 [1]	ND	99	mg/Kg	1000		SW-846 8082A	7/29/21	7/31/21 22:17	TG
Aroclor-1248 [2]	860	99	mg/Kg	1000		SW-846 8082A	7/29/21	7/31/21 22:17	TG
Aroclor-1254 [1]	ND	99	mg/Kg	1000		SW-846 8082A	7/29/21	7/31/21 22:17	TG
Aroclor-1260 [1]	ND	99	mg/Kg	1000		SW-846 8082A	7/29/21	7/31/21 22:17	TG
Aroclor-1262 [1]	ND	99	mg/Kg	1000		SW-846 8082A	7/29/21	7/31/21 22:17	TG
Aroclor-1268 [1]	ND	99	mg/Kg	1000		SW-846 8082A	7/29/21	7/31/21 22:17	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	7/31/21 22:17
Decachlorobiphenyl [2]	*	30-150	S-01	7/31/21 22:17
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/31/21 22:17
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/31/21 22:17

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Project Location: 52 Institute Road, Burlington, VT Sample Description: Work Order: 21G1517

Date Received: 7/27/2021

Field Sample #: 210723.F2051.140-1352 Sampled: 7/23/2021 11:05

Sample ID: 21G1517-02

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	99	mg/Kg	1000		SW-846 8082A	7/29/21	7/31/21 22:35	TG
Aroclor-1221 [1]	ND	99	mg/Kg	1000		SW-846 8082A	7/29/21	7/31/21 22:35	TG
Aroclor-1232 [1]	ND	99	mg/Kg	1000		SW-846 8082A	7/29/21	7/31/21 22:35	TG
Aroclor-1242 [1]	ND	99	mg/Kg	1000		SW-846 8082A	7/29/21	7/31/21 22:35	TG
Aroclor-1248 [2]	1300	99	mg/Kg	1000		SW-846 8082A	7/29/21	7/31/21 22:35	TG
Aroclor-1254 [1]	ND	99	mg/Kg	1000		SW-846 8082A	7/29/21	7/31/21 22:35	TG
Aroclor-1260 [1]	ND	99	mg/Kg	1000		SW-846 8082A	7/29/21	7/31/21 22:35	TG
Aroclor-1262 [1]	ND	99	mg/Kg	1000		SW-846 8082A	7/29/21	7/31/21 22:35	TG
Aroclor-1268 [1]	ND	99	mg/Kg	1000		SW-846 8082A	7/29/21	7/31/21 22:35	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	7/31/21 22:35
Decachlorobiphenyl [2]	*	30-150	S-01	7/31/21 22:35
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/31/21 22:35
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/31/21 22:35

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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
21G1517-01 [210723.F2051.140-1351]	B287073	2.02	10.0	07/29/21
21G1517-02 [210723.F2051.140-1352]	B287073	2.02	10.0	07/29/21

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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 B287073 - SW-846 3540C										
Blank (B287073-BLK1)				Prepared: 07/29/21 Analyzed: 07/31/21						
Aroclor-1016	ND	0.098	mg/Kg							
Aroclor-1016 [2C]	ND	0.098	mg/Kg							
Aroclor-1221	ND	0.098	mg/Kg							
Aroclor-1221 [2C]	ND	0.098	mg/Kg							
Aroclor-1232	ND	0.098	mg/Kg							
Aroclor-1232 [2C]	ND	0.098	mg/Kg							
Aroclor-1242	ND	0.098	mg/Kg							
Aroclor-1242 [2C]	ND	0.098	mg/Kg							
Aroclor-1248	ND	0.098	mg/Kg							
Aroclor-1248 [2C]	ND	0.098	mg/Kg							
Aroclor-1254	ND	0.098	mg/Kg							
Aroclor-1254 [2C]	ND	0.098	mg/Kg							
Aroclor-1260	ND	0.098	mg/Kg							
Aroclor-1260 [2C]	ND	0.098	mg/Kg							
Aroclor-1262	ND	0.098	mg/Kg							
Aroclor-1262 [2C]	ND	0.098	mg/Kg							
Aroclor-1268	ND	0.098	mg/Kg							
Aroclor-1268 [2C]	ND	0.098	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.954*		mg/Kg	0.980		97.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.824*		mg/Kg	0.980		84.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.892*		mg/Kg	0.980		90.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.823*		mg/Kg	0.980		83.9	30-150			
LCS (B287073-BS1)				Prepared: 07/29/21 Analyzed: 07/31/21						
Aroclor-1016	0.79	0.098	mg/Kg	0.980		80.6	40-140			
Aroclor-1016 [2C]	0.81	0.098	mg/Kg	0.980		82.1	40-140			
Aroclor-1260	0.78	0.098	mg/Kg	0.980		79.7	40-140			
Aroclor-1260 [2C]	0.72	0.098	mg/Kg	0.980		73.6	40-140			
Surrogate: Decachlorobiphenyl	*0.957*		mg/Kg	0.980		97.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.826*		mg/Kg	0.980		84.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.863*		mg/Kg	0.980		88.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.790*		mg/Kg	0.980		80.6	30-150			
LCS Dup (B287073-BSD1)				Prepared: 07/29/21 Analyzed: 07/31/21						
Aroclor-1016	0.68	0.098	mg/Kg	0.976		70.0	40-140	14.6	30	
Aroclor-1016 [2C]	0.69	0.098	mg/Kg	0.976		71.2	40-140	14.7	30	
Aroclor-1260	0.65	0.098	mg/Kg	0.976		66.6	40-140	18.4	30	
Aroclor-1260 [2C]	0.60	0.098	mg/Kg	0.976		61.2	40-140	18.9	30	
Surrogate: Decachlorobiphenyl	*0.767*		mg/Kg	0.976		78.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.660*		mg/Kg	0.976		67.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.705*		mg/Kg	0.976		72.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.650*		mg/Kg	0.976		66.6	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210723.F2051.140-1351

Lab Sample ID: 21G1517-01 Date(s) Analyzed: 07/31/2021 07/31/2021

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-1248	1	0.000	0.000	0.000	830	
	2	0.000	0.000	0.000	860	3.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

210723.F2051.140-1352

Lab Sample ID: 21G1517-02 Date(s) Analyzed: 07/31/2021 07/31/2021

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-1248	1	0.000	0.000	0.000	1200	
	2	0.000	0.000	0.000	1300	8.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B287073-BS1 Date(s) Analyzed: 07/31/2021 07/31/2021

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	0.79	
	2	0.000	0.000	0.000	0.81	2.5
Aroclor-1260	1	0.000	0.000	0.000	0.78	
	2	0.000	0.000	0.000	0.72	8.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B287073-BSD1 Date(s) Analyzed: 07/31/2021 07/31/2021

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	0.68	
	2	0.000	0.000	0.000	0.69	1.5
Aroclor-1260	1	0.000	0.000	0.000	0.65	
	2	0.000	0.000	0.000	0.60	8.0

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

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.
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.

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
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	03/1/2022
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	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
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	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

2161517

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
http://www.contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

Company Name:
Address: 51 Knight Lane/PO Box 1486, Williston, Vermont 05495
Phone: 802.862.1980
Project Name:
Project Location: 52 Institute Road, Burlington, Vermont
Project Number: 280BS01563
Project Manager: Andra Liberty
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: J. Adams, K. Paritz

Requested Turnaround Time: 7-Day ☐ 10-Day ☑ (circled); 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 ☑ EXCEL ☑ (circled)
Other:
CLP Like Data Pkg Required: ☐
Email To: andra.liberty@atcgs.com, kari.paritz@atcgs.com
Fax To #:

PCB ONLY
SOXHLET ☑ (circled)
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	¹Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	EPA Method 3500B/3540C (Soxhlet Region 1) for extraction	EPA Method 8082
1	210723.F2051.140-1351	7/23/2021	10:50	Grab	O	U		1				✓	✓
2	210723.F2051.140-1352	7/23/2021	11:05	Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓
				Grab	O	U		1				✓	✓

Signature	Date/Time
Relinquished by: (signature) [signature]	7/26/21 / 1000
Received by: (signature) [signature]	7/27/21 945
Relinquished by: (signature) [signature]	7/27/21 1740
Received by: (signature) [signature] 3.0	7/27/21 1740
Relinquished by: (signature)	
Received by: (signature)	
Relinquished by: (signature)	
Received by: (signature)	

Client Comments:

Detection Limit Requirements
MA
CT
Other: 0.5 parts per million (ppm)

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

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☑ (circled)
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

² Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS 2
PLASTIC
BACTERIA
ENCORE

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N (Y circled)
*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)

Lab 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_____

con-test® ANALYTICAL LABORATORY

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 [illegible] Date 9/27/21 Time 1740

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 # 2 Actual Temp - 3.6 By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

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 Project T Analysis T ID's T Sampler Name 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? NA 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? NA Acid ____ Base ____

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	2
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:

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B287073

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 7/29/2021 5:22:41PM

Surrogate Solution
2107508 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Add-ons

8/2/21

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
B287073-BLK1	Blank			AAM 7/30/21	#1		10.0		1000	
B287073-BS1	LCS							1000	1000	
B287073-BSD1	LCS Dup							1000	1000	
B287073-MS1	Matrix Spike [21G1636-19]			AAM 7/30/21			10.0	1000	1000	
B287073-MSD1	Matrix Spike Dup [21G1636-19]							1000	1000	
21G1448-01	210723.A2051.140-1353	08/10/21	08/06/21	LG 7/30/21	#7		10.0		1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21G1448-02	210723.A2051.140-1354	08/10/21	08/06/21						1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21G1517-01	210723.F2051.140-1351	08/10/21	08/06/21						1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21G1517-02	210723.F2051.140-1352	08/10/21	08/06/21						1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21G1518-01	210723.D2051.140-1349	08/10/21	08/06/21						1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21G1518-02	210723.D2051.140-1350	08/10/21	08/06/21						1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor
21G1590-01	110-01-C-1	08/11/21	08/11/21				10.0		1000	
21G1636-19	T30-C1	08/03/21	08/11/21	AAM 7/30/21	#1		10.0		1000	
21G1636-20	T30-C2	08/03/21	08/11/21						1000	
21G1701-01	MH-VBC-102	08/02/21	08/12/21			2.03			1000	
G1701-02	MH-VBC-103	08/02/21	08/12/21			2.03			1000	

bpk WH
PTK JCH 07/29/2021
kedby/Witnessed By Date

PTK 07/29/2021
Extracted By Date

Loaded #5 7/31/21
Prepped by JS 7.31.

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B287073

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 7/29/2021 5:22:41PM

Surrogate Solution
2107508 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Start Date/Time: 7/29/2021 @ 15:13
Stop Date/Time:
SPK: KMG
WIT: GGG
StartDate/Time 07/29/2021 @ 17:20
StopDate/Time 7/30/21 9:22

Standard ID#	Description	Manufacture Lot#
2106532	Sodium Sulfate (Drum 45.5kg)	0000282237
2106650	Hexanes 95%	207414
2107014	Filter Paper (Fisher) WH 2V 15CM	A29726631
2107378	Distilled Solvent - MeCl2	DCM/ACE
2107379	Acetone	212207
2107413	Distilled Solvent Hexanes:Acetone	2:1 Hexanes:Ace

Spikedby/Witnessed By Date

Extracted By Date

PREPARATION BENCH SHEET

Analysis
8082 Soxhlet

B287073

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Printed: 7/29/2021 2:10:59PM

Surrogate Solution
2107508 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	Add'l Notes	Initial (g)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B287073-BLK1	Blank					2.04			1000		
B287073-BS1	LCS					2.04		1000	1000		
B287073-BSD1	LCS Dup					2.05		1000	1000		
B287073-MS1	Matrix Spike [~~21G1448-01~~ 21G1636-19]					2.04		1000	1000		
B287073-MSD1	Matrix Spike Dup [~~21G1448-01~~ 21G1636-19]					2.04		1000	1000		
21G1448-01	210723.A2051.140-1353	08/10/21	08/06/21			2.07			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G1448-02	210723.A2051.140-1354	08/10/21	08/06/21			2.09			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G1517-01	210723.F2051.140-1351	08/10/21	08/06/21			2.02			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G1517-02	210723.F2051.140-1352	08/10/21	08/06/21			2.02			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G1518-01	210723.D2051.140-1349	08/10/21	08/06/21			2.06			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G1518-02	210723.D2051.140-1350	08/10/21	08/06/21			2.06			1000	RL of 0.5ppm - include bench sheets, sample chromatograms &QC std of each aroclor	10
21G1590-01	110-01-C-1	08/11/21	08/11/21			2.05			1000		10
~~21G1636-19~~	T30-C1	08/03/21	08/11/21			2.03			1000		3
21G1636-20	T30-C2	08/03/21	08/11/21			2.05			1000		3

SPK 7/30 KMC GGG 7/29/2021
Checkedby/Witnessed By Date

KMC 7/29/2021
Extracted By Date

Table of Contents

PREPARATION BENCH SHEET

Printed: 7/29/2021 2:10:59PM

Analysis
8082 Soxhlet

B287073

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3540C

Surrogate Solution
2107508 Pest/PCB Surrogate - 2000 ug/L

Spiking Solution
2107072 1260/1016 Soil Spike - 2000 ug/L

Matrix: Product/Solid

Start Date/Time:
Stop Date/Time:
SPK Start Date/Time 7/29/2021 @ 15:13
WIT:
StopDate/Time 7/30/21 7:18

Standard ID#	Description	Manufacture Lot#
2106532	Sodium Sulfate (Drum 45.5kg)	0000282237
2106650	Hexanes 95%	207414
2107014	Filter Paper (Fisher) WH 2V 15CM	A29726631
2107378	Distilled Solvent - MeCl2	DCM/ACE
2107379	Acetone	212207
2107413	Distilled Solvent Hexanes:Acetone	2:1 Hexanes:Ace

kedby/Witnessed By Date

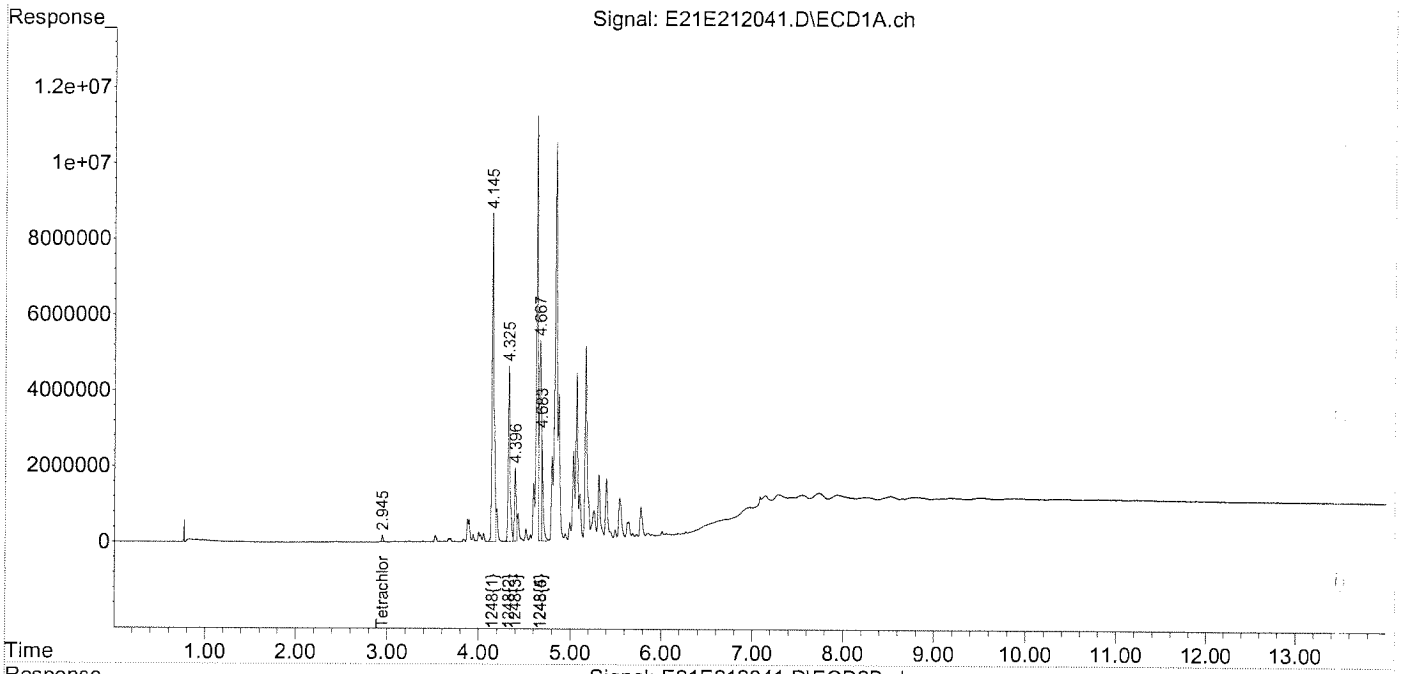
Extracted By Date

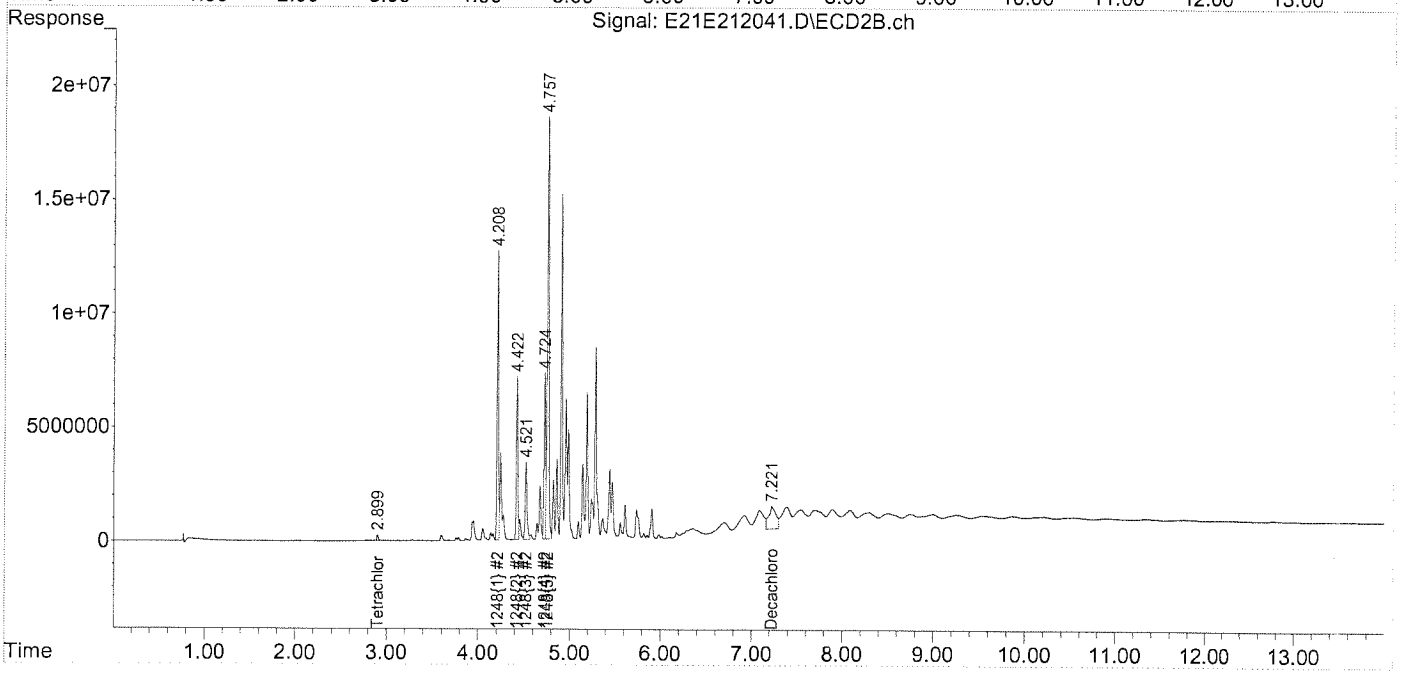
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 10:17 pm
Operator : JMB
Sample : 21G1517-01@1000X TBA Inst : ECD 5
Misc :
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Aug 02 07:53:02 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



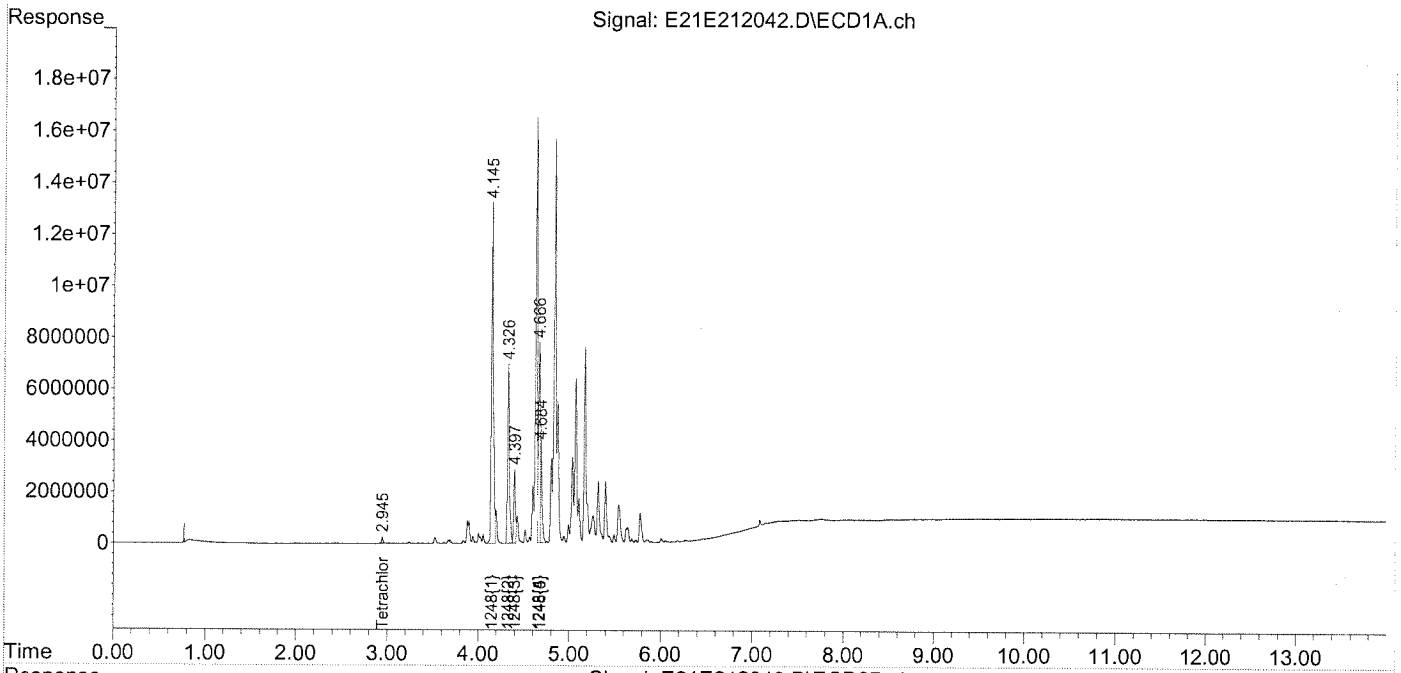


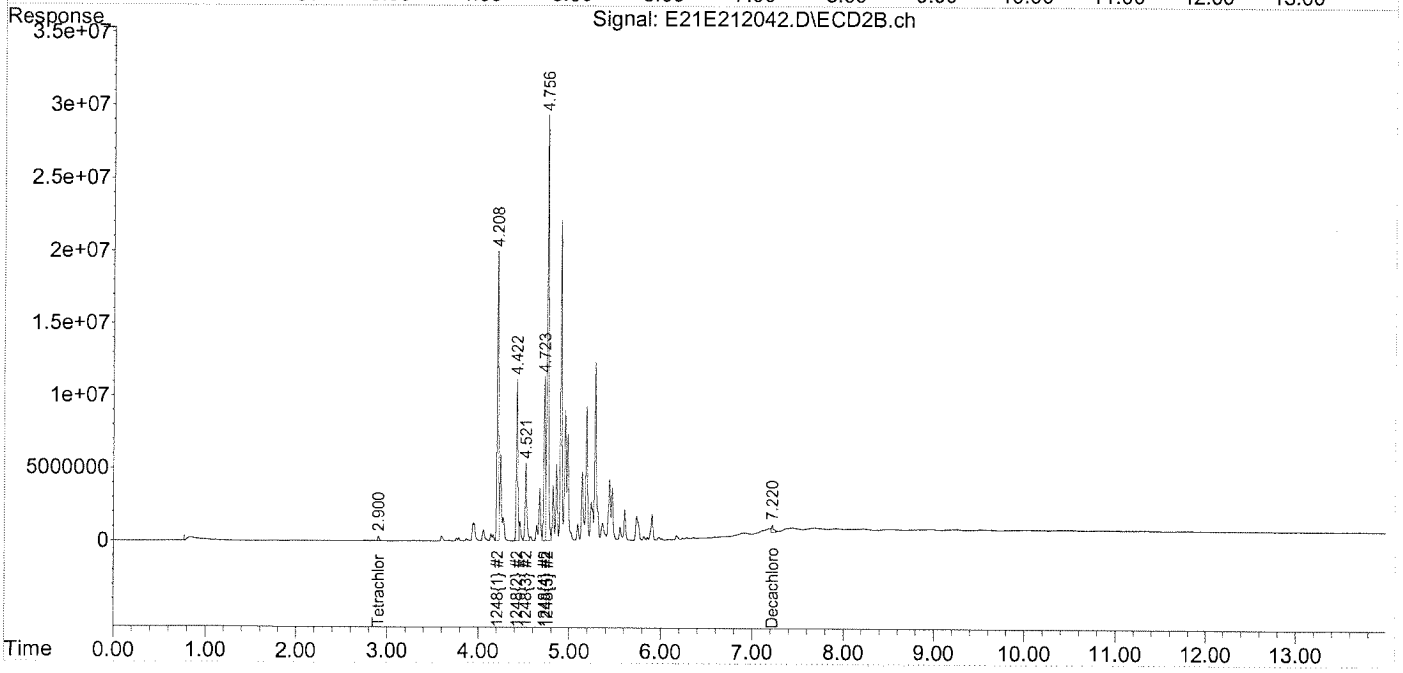
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 10:35 pm
Operator : JMB
Sample : 21G1517-02@1000X TBA Inst : ECD 5
Misc :
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Aug 02 07:53:06 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



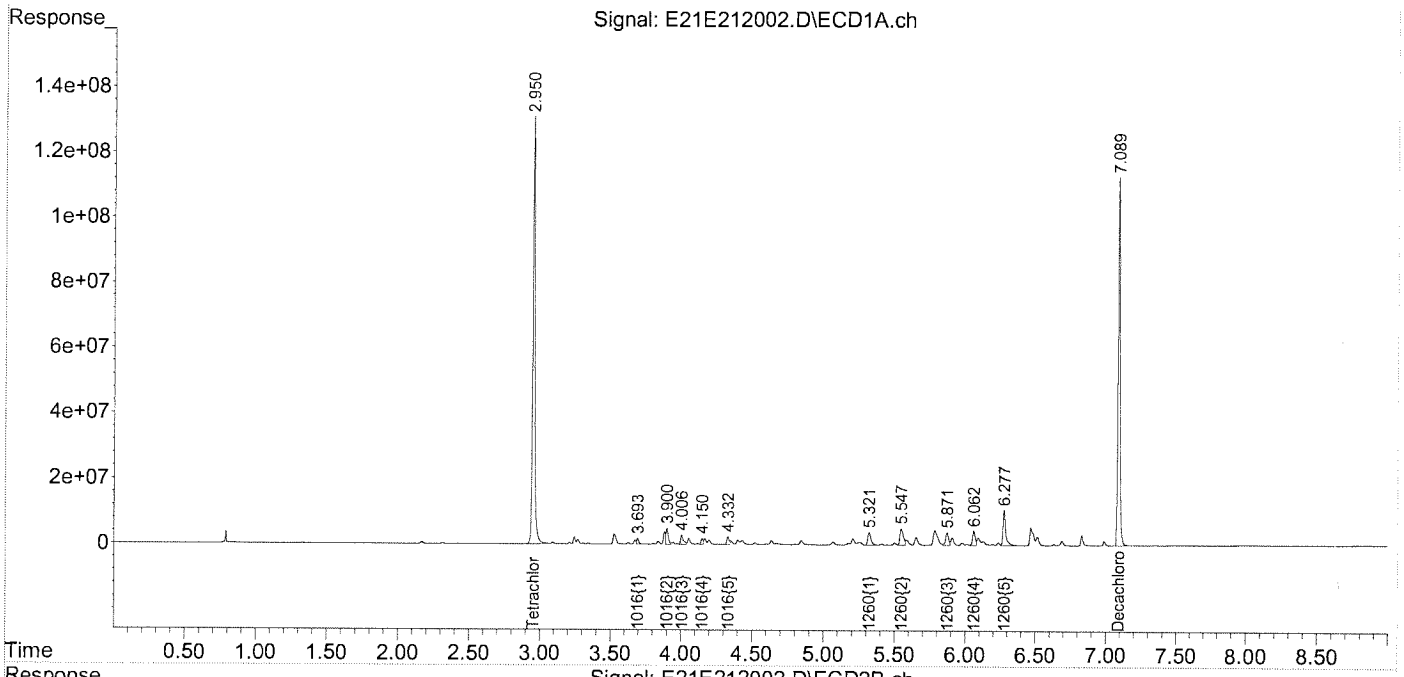


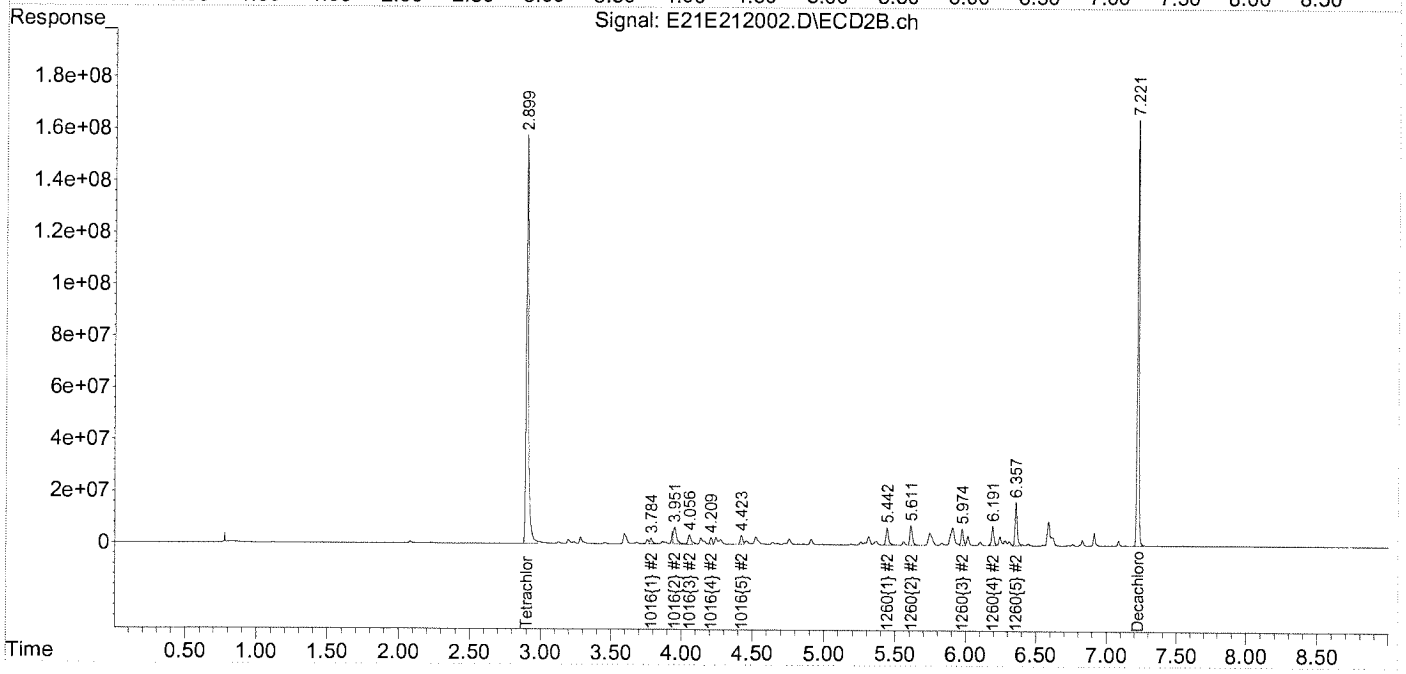
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 12:20 pm
Operator : JMB
Sample : 1260/1016 100 2105380 Inst : ECD 5
Misc : mix[s,l1,l7]
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 31 13:00:24 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



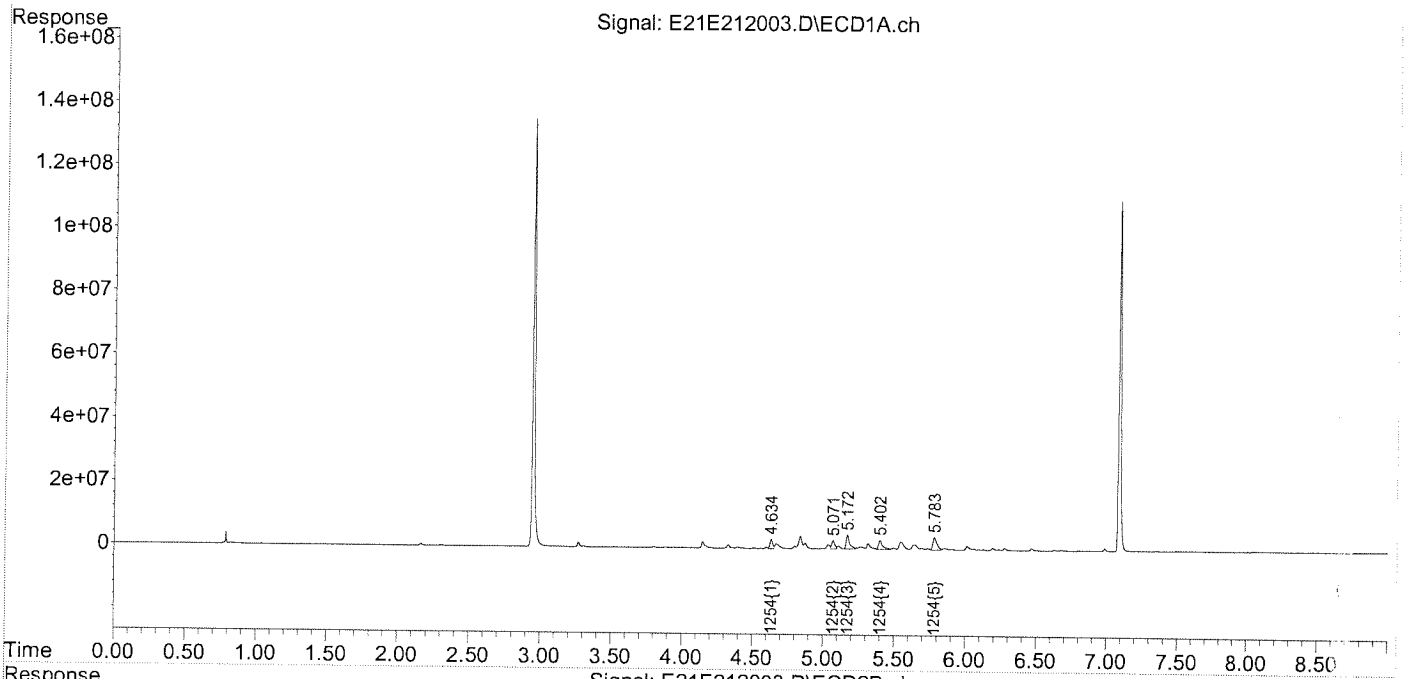


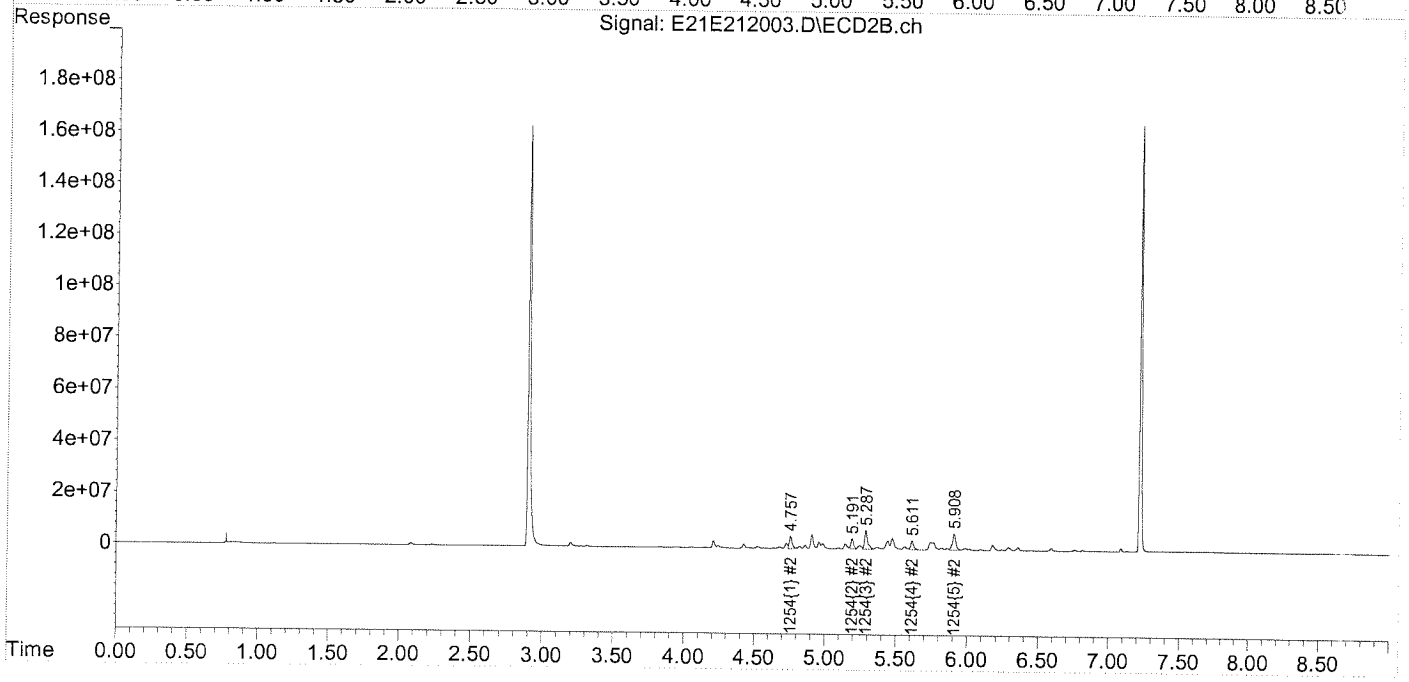
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 12:32 pm
Operator : JMB
Sample : 1254 100 2104278 Inst : ECD 5
Misc : mix[16]
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 31 13:00:28 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



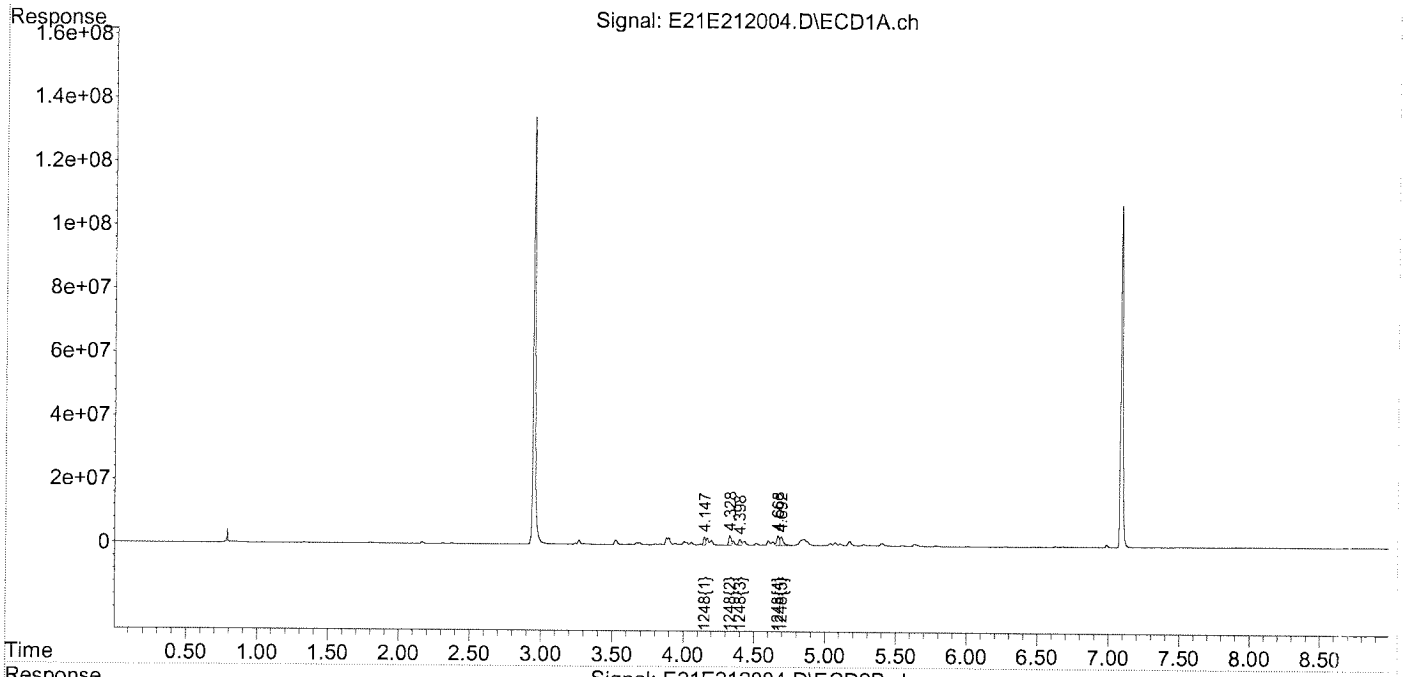


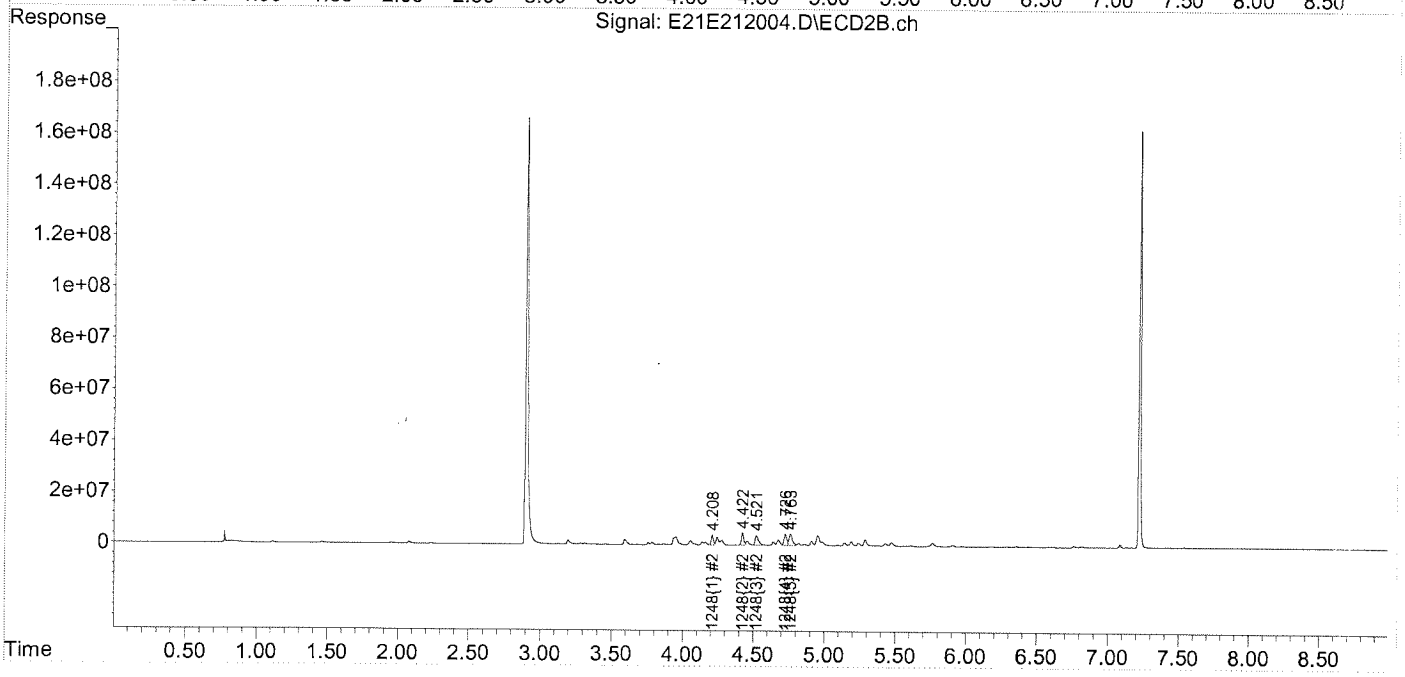
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 12:45 pm
Operator : JMB
Sample : 1248 100 2104239 Inst : ECD 5
Misc : mix[15]
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 31 13:00:31 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



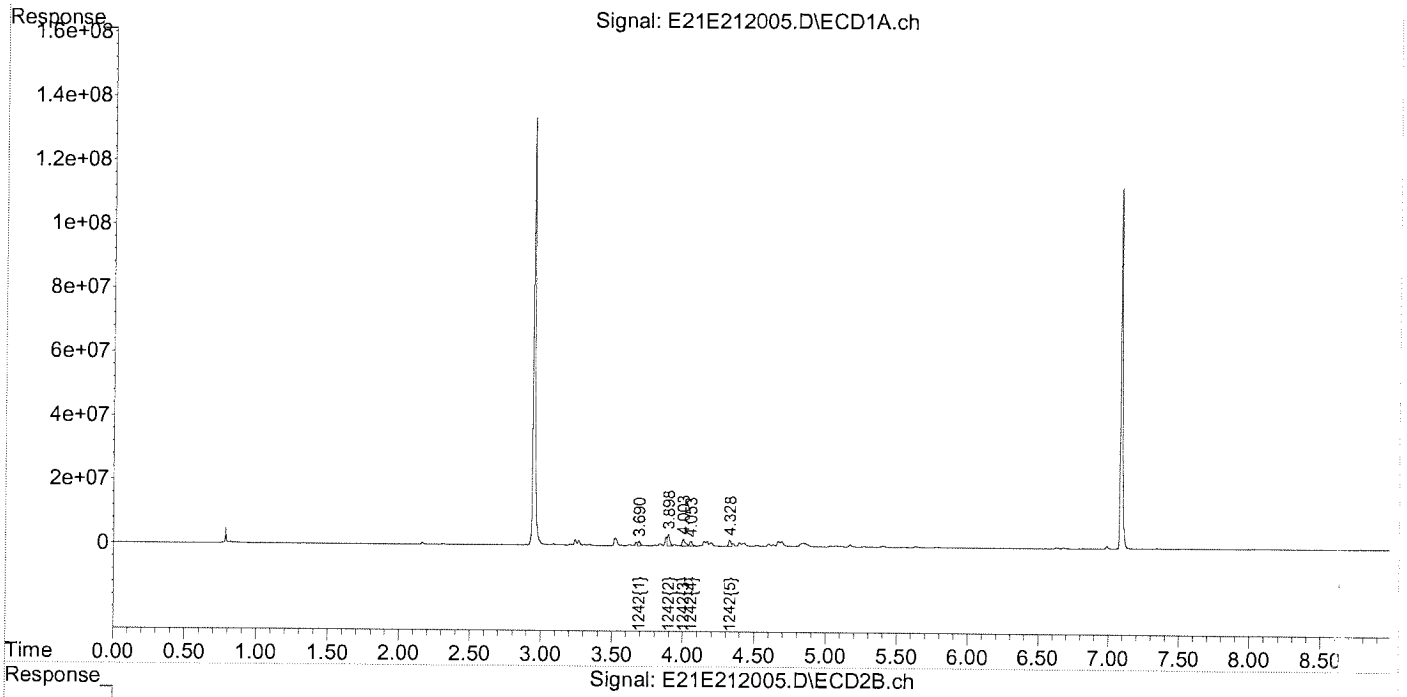


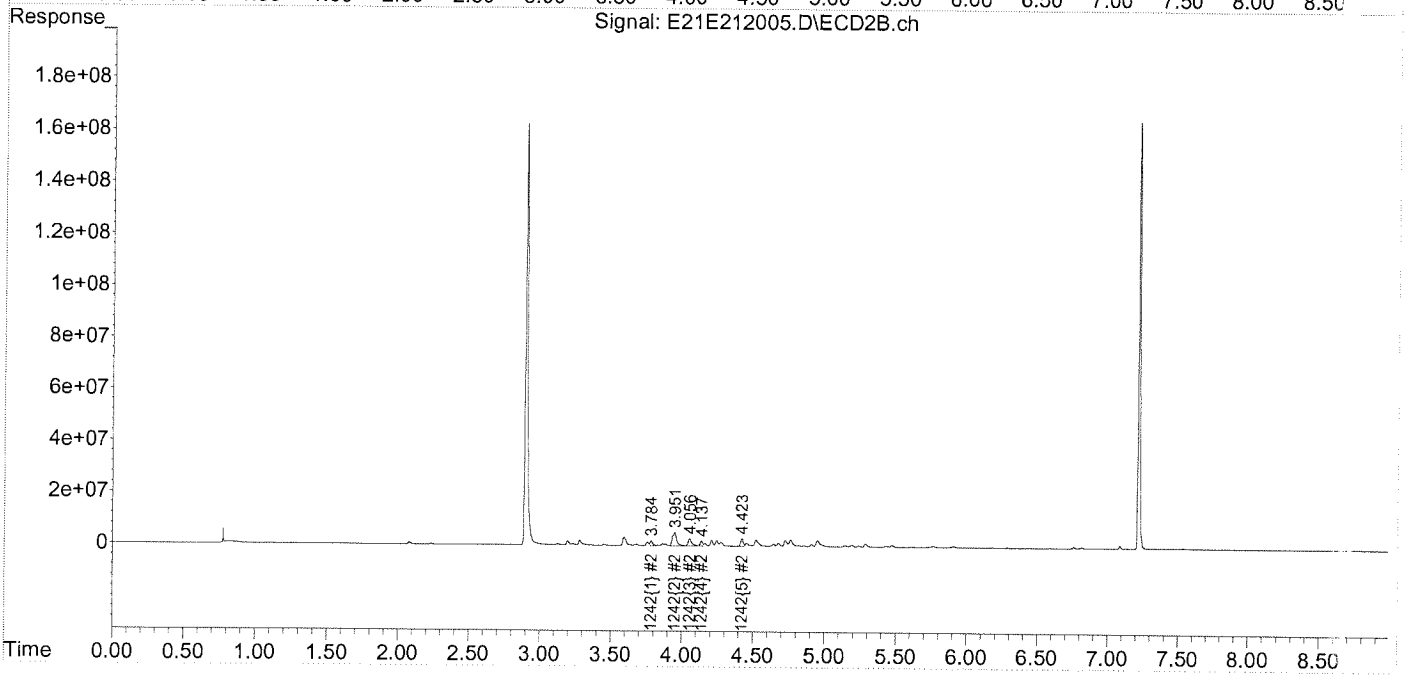
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 12:57 pm
Operator : JMB
Sample : 1242 100 2103459 Inst : ECD 5
Misc : mix[l4]
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 31 13:08:29 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



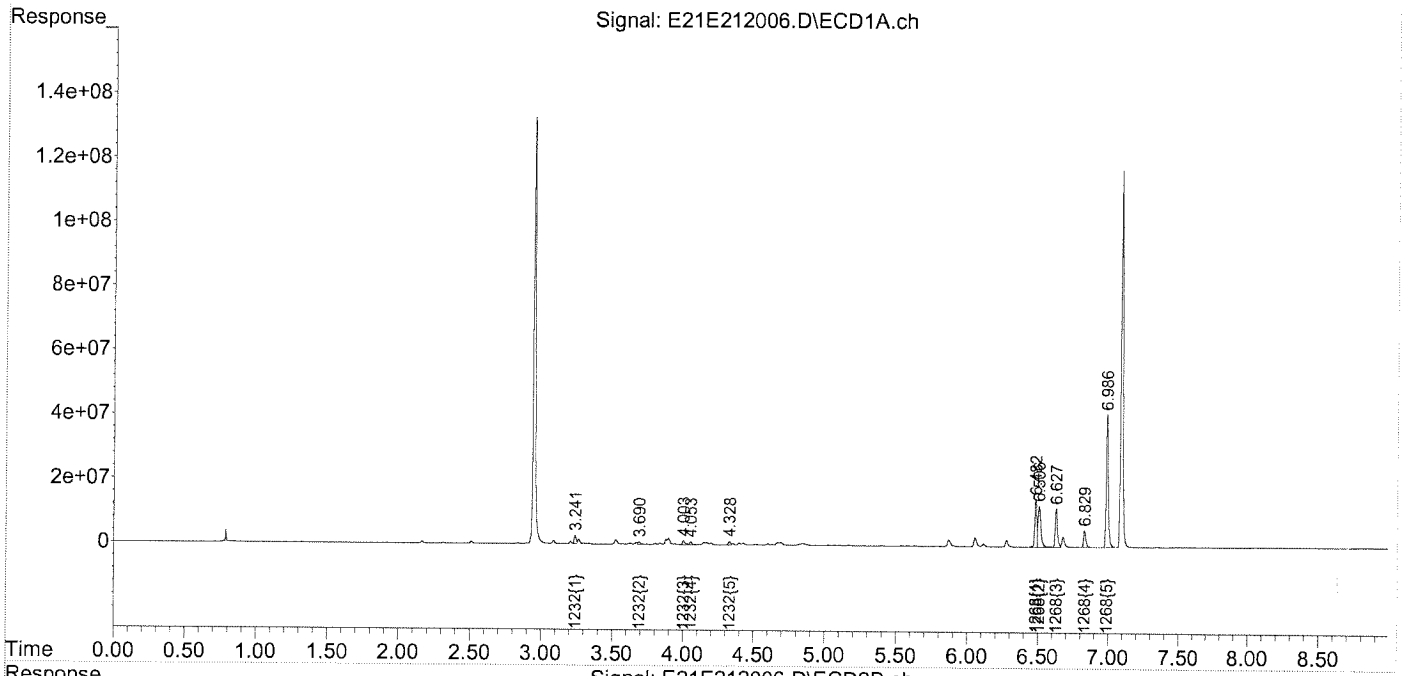


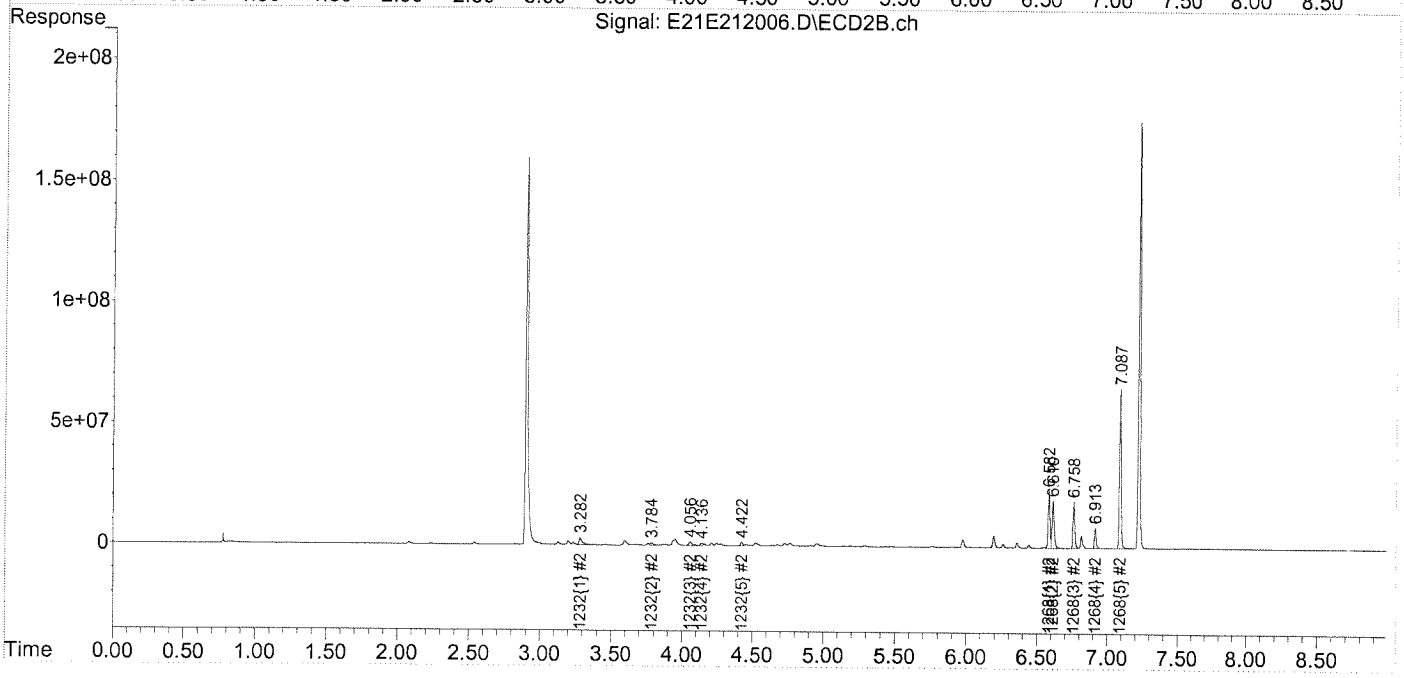
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 1:10 pm
Operator : JMB
Sample : 1232/1268 100 2106535 Inst : ECD 5
Misc : mix[l3,l9]
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 31 13:44:39 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



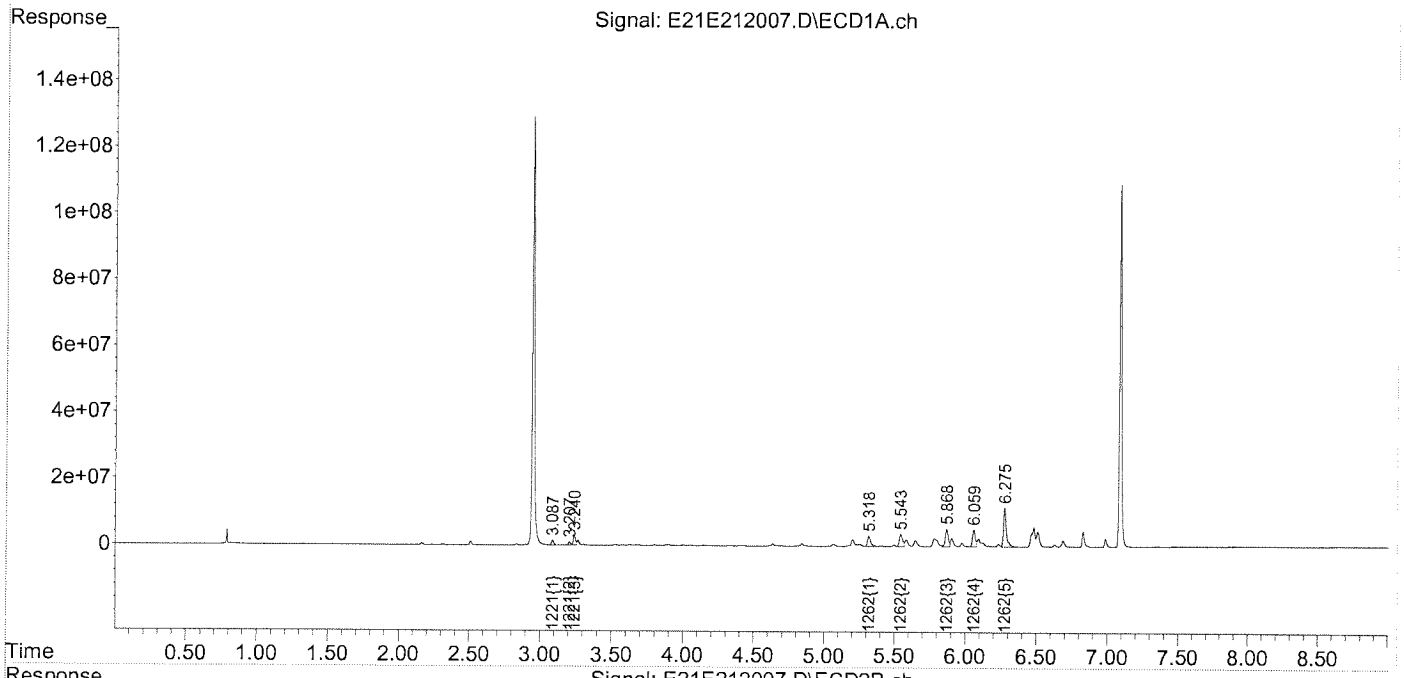


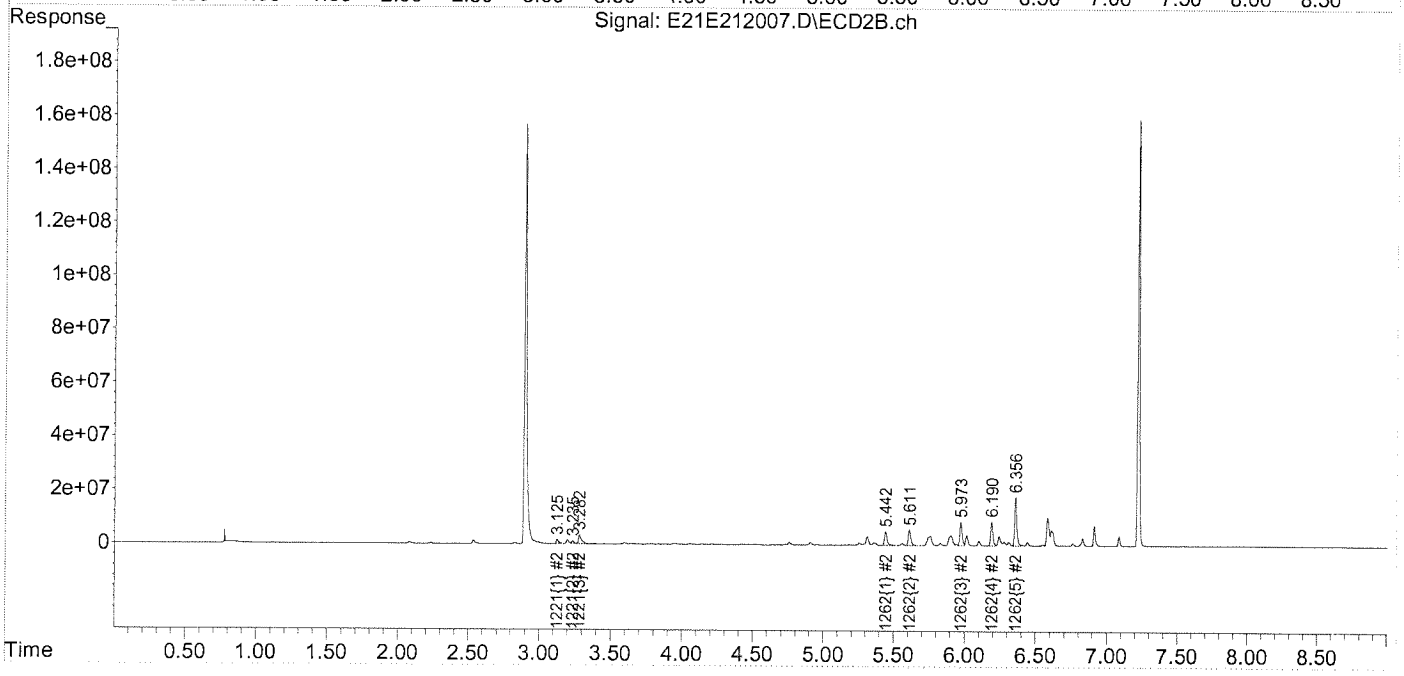
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\073121\
Data File : E21E212007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2021 1:22 pm
Operator : JMB
Sample : 1221/1262 100 2106673 Inst : ECD 5
Misc : mix[l2,l8]
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PCB-F.E
Integration File signal 2: PCB-B.E
Quant Time: Jul 31 13:44:43 2021
Quant Method : C:\msdchem\1\methods\PCB methods\5-PCB-072621.M
Quant Title : 60/16-062821, 54-062821, 48-062821, 42-062821, 32/68-062821, 21/62-062821 210026
QLast Update : Thu Jul 01 14:40:49 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



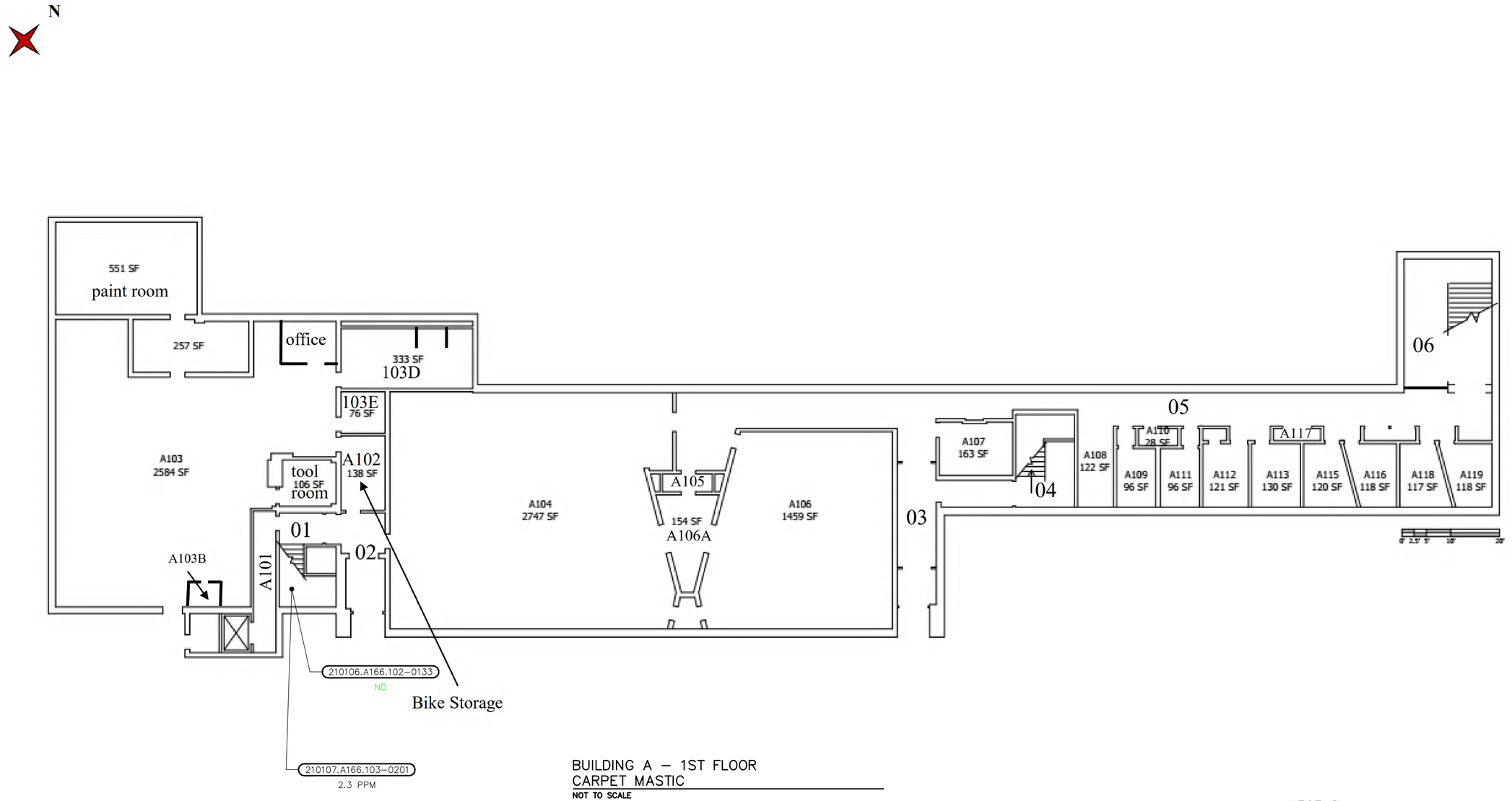


Appendix D

PCB Bulk and Substrate Sampling Plans

Building A

Bulk and Substrate Plans



BUILDING A – 1ST FLOOR
CARPET MASTIC
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

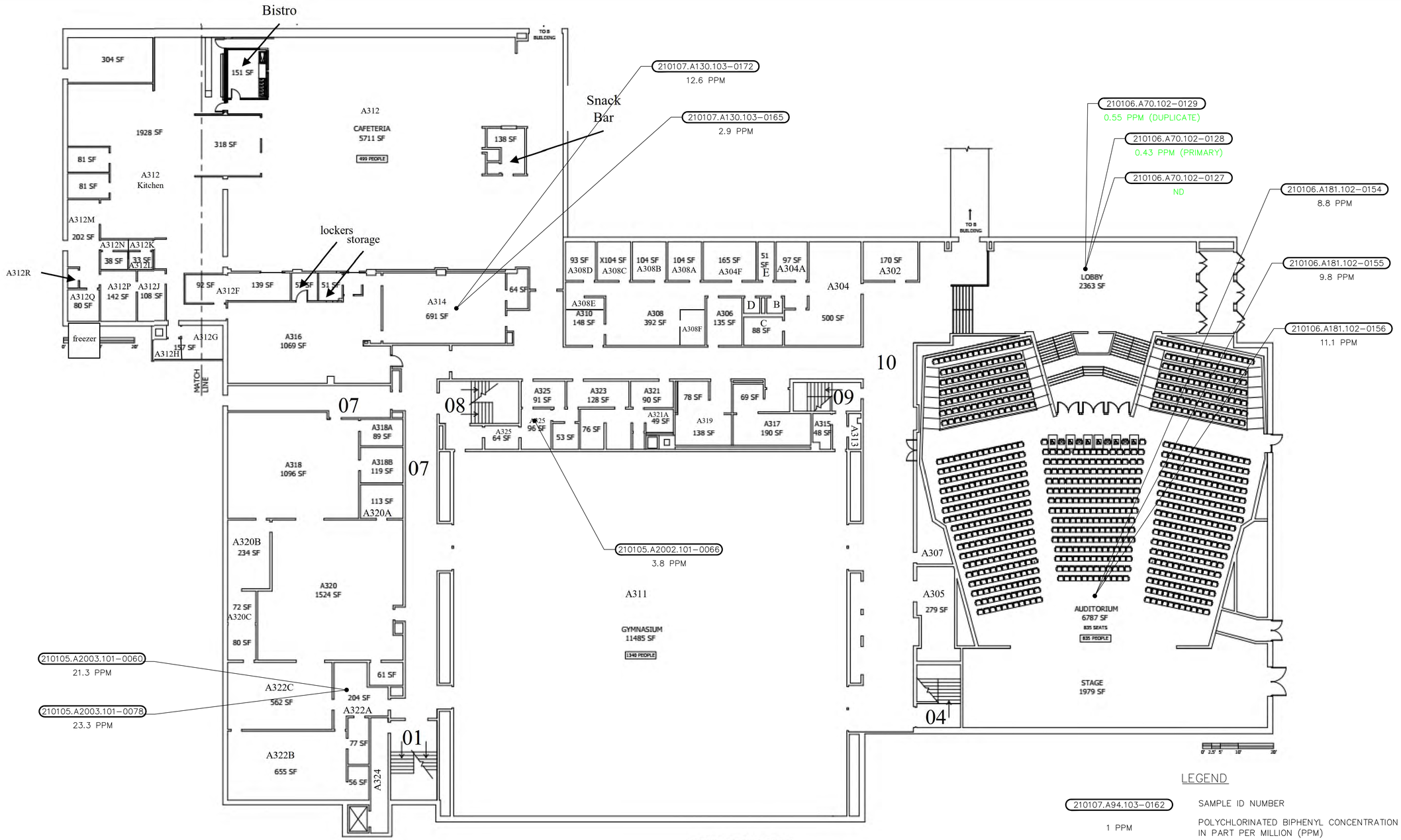
FUSS & O'NEILL
205 BILLINGS FARMS ROAD, SUITE 6B
WHITE RIVER JUNCTION, VT 05001
802.698.0370
www.fando.com

BURLINGTON SCHOOL DISTRICT
BUILDING A - 1ST FLOOR
CARPET MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A1-1

File: \\private\dfs\CadProj\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM01_BLDG_A.dwg Layout: HM-A1-1 Plotted: 2021-12-22 4:02 PM Saved: 2021-12-22 1:04 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 3RD FLOOR
CARPET MASTIC

NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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WHITE RIVER JUNCTION, VT 05001
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BURLINGTON SCHOOL DISTRICT

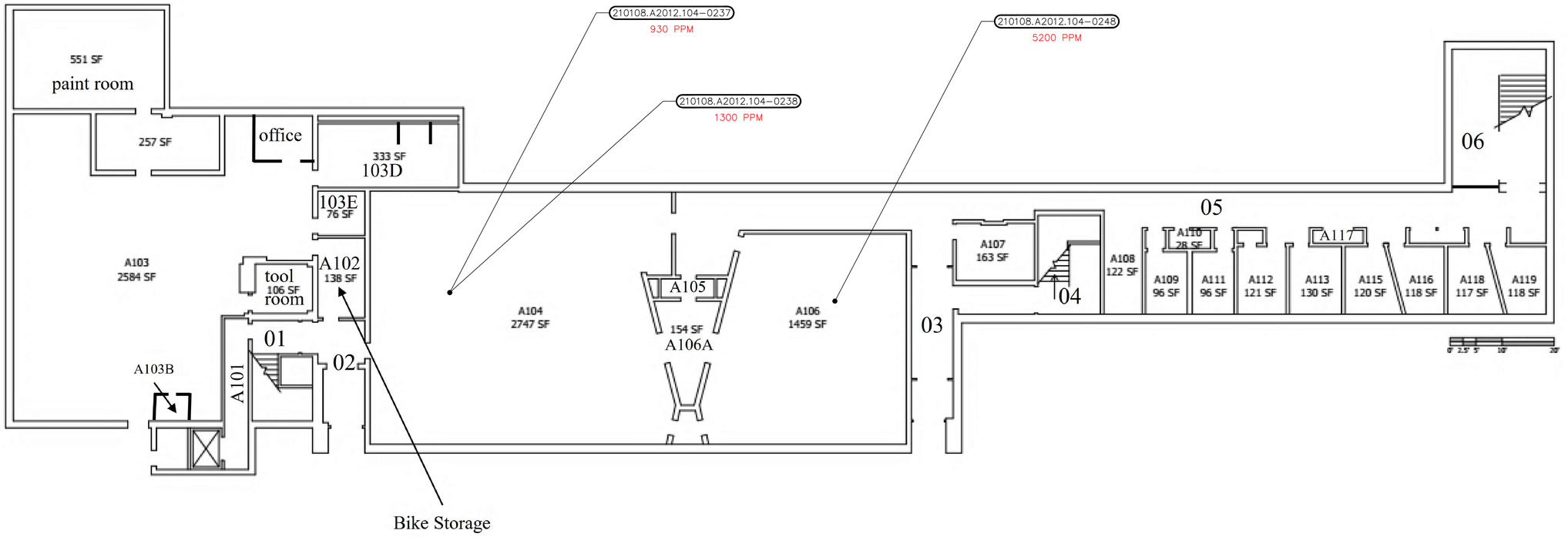
BUILDING A - 3RD FLOOR
CARPET MASTIC PLAN

BHS PCB SITE INVESTIGATION

BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A3-1



BUILDING A – 1ST FLOOR
CONCRETE FLOOR SEALANT
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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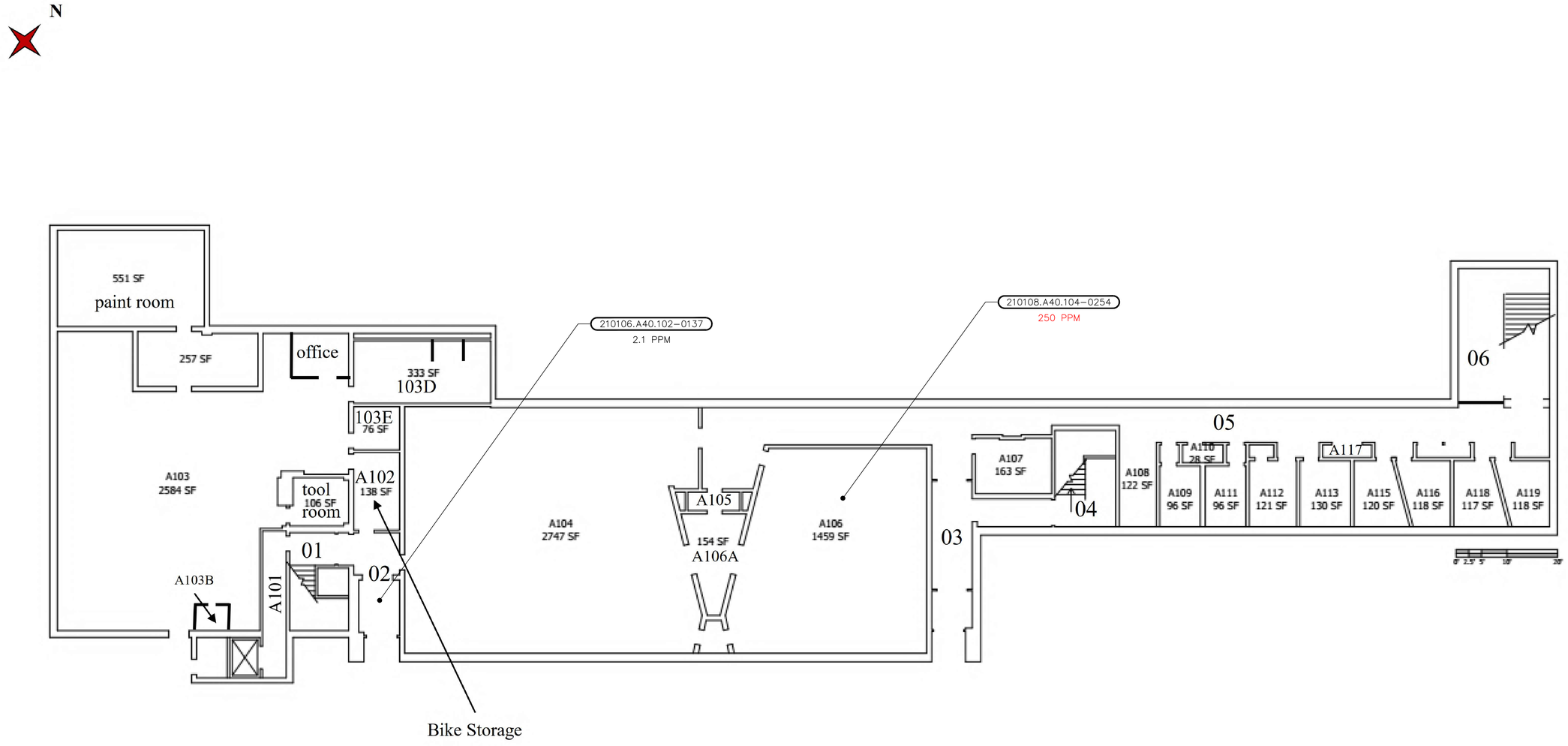
BUILDING A - 1ST FLOOR
CONCRETE FLOOR SEALANT PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A1-2

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM01_BLDG_A.dwg Layout: HM-A1-2 Plotted: 2021-10-14 10:53 AM Saved: 2021-10-14 10:45 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 1ST FLOOR
COVE BASE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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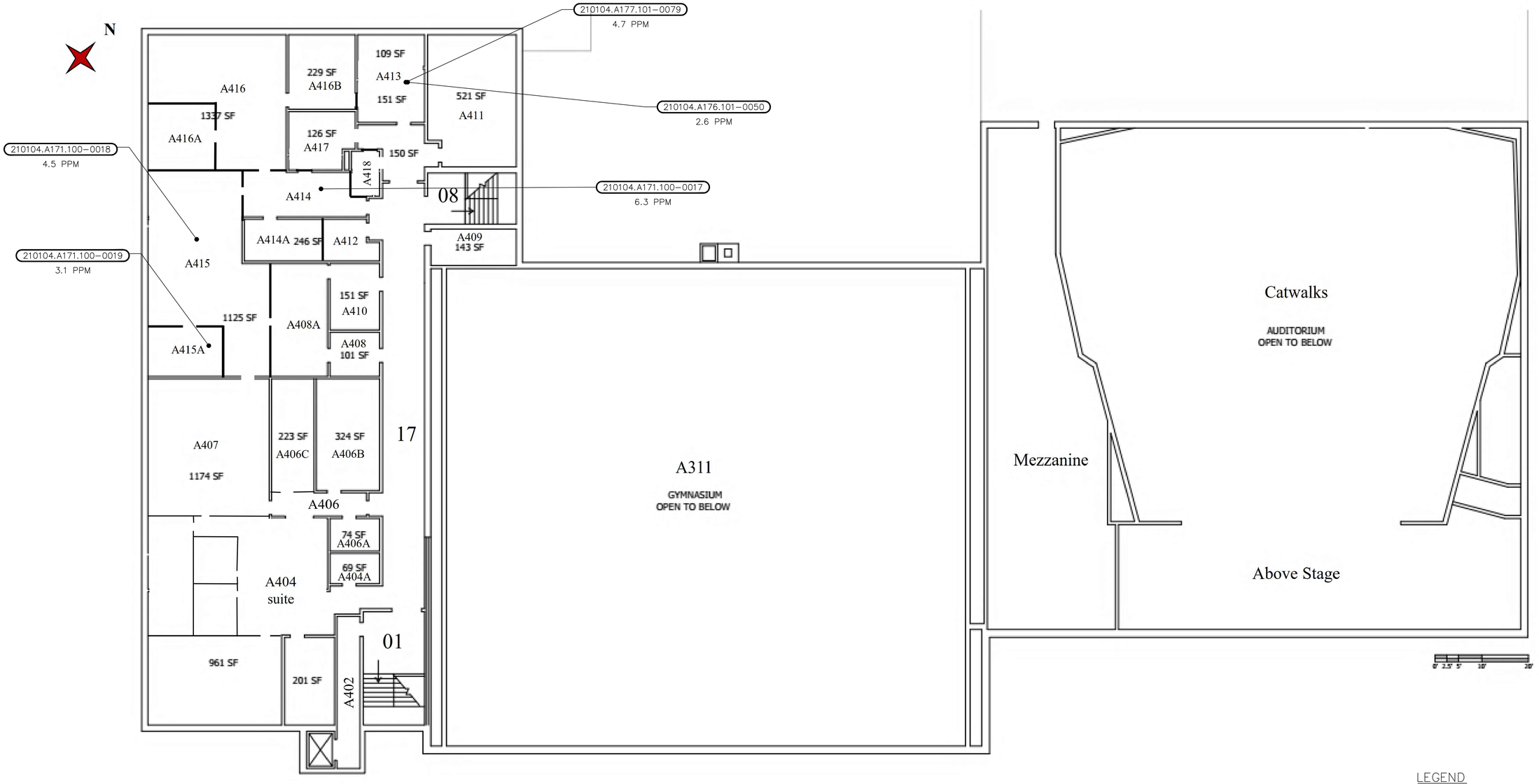
BURLINGTON SCHOOL DISTRICT
BUILDING A - 1ST FLOOR
COVE BASE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A1-3



BUILDING A – 4TH FLOOR
CARPET MASTIC
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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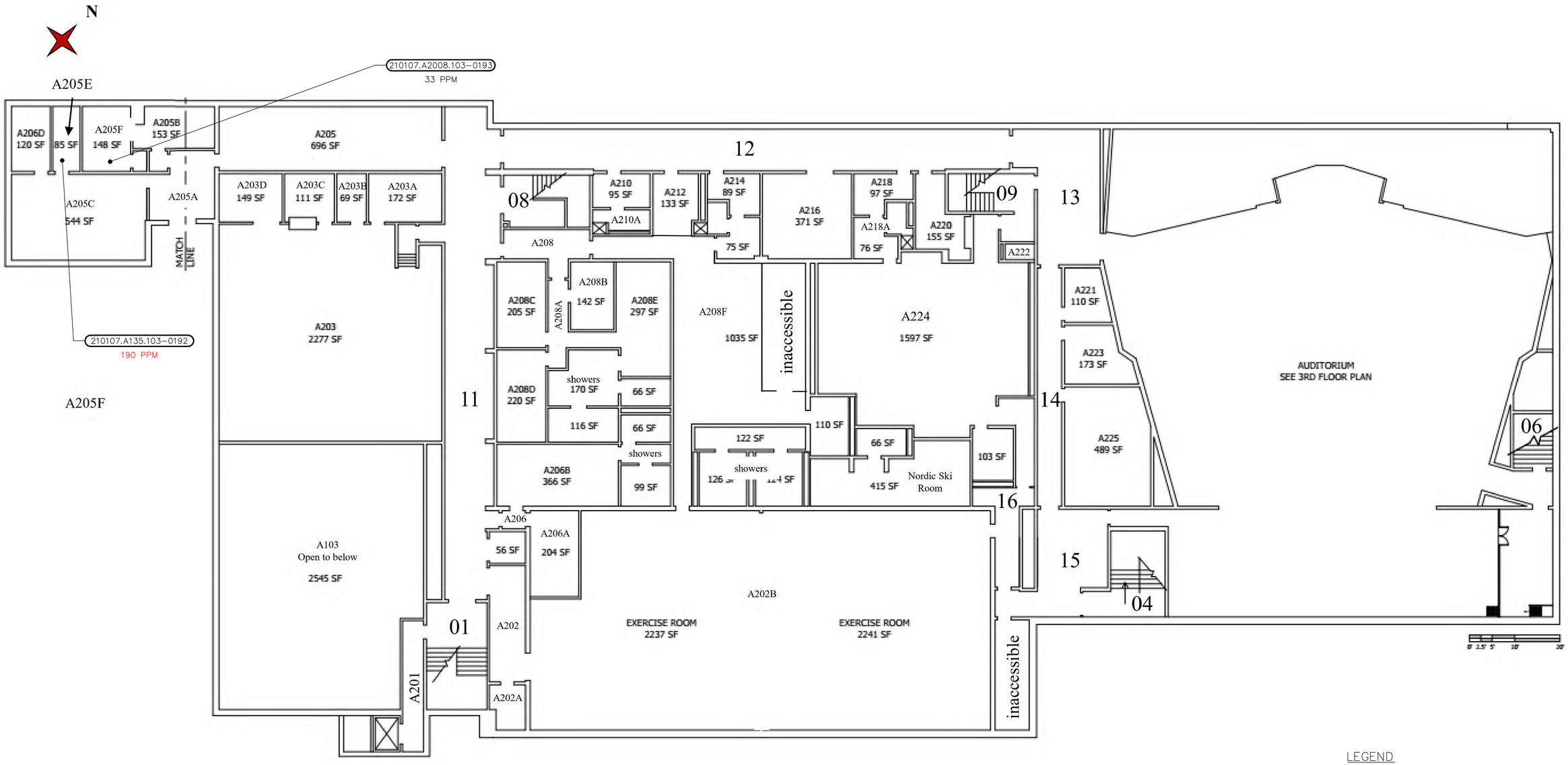
BURLINGTON SCHOOL DISTRICT
BUILDING A - 4TH FLOOR
CARPET MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A4-1

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM01_BLDG_A.dwg Layout: HM-A4-1 Plotted: 2021-10-14 10:52 AM Saved: 2021-10-14 10:45 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 2ND FLOOR
COVE BASE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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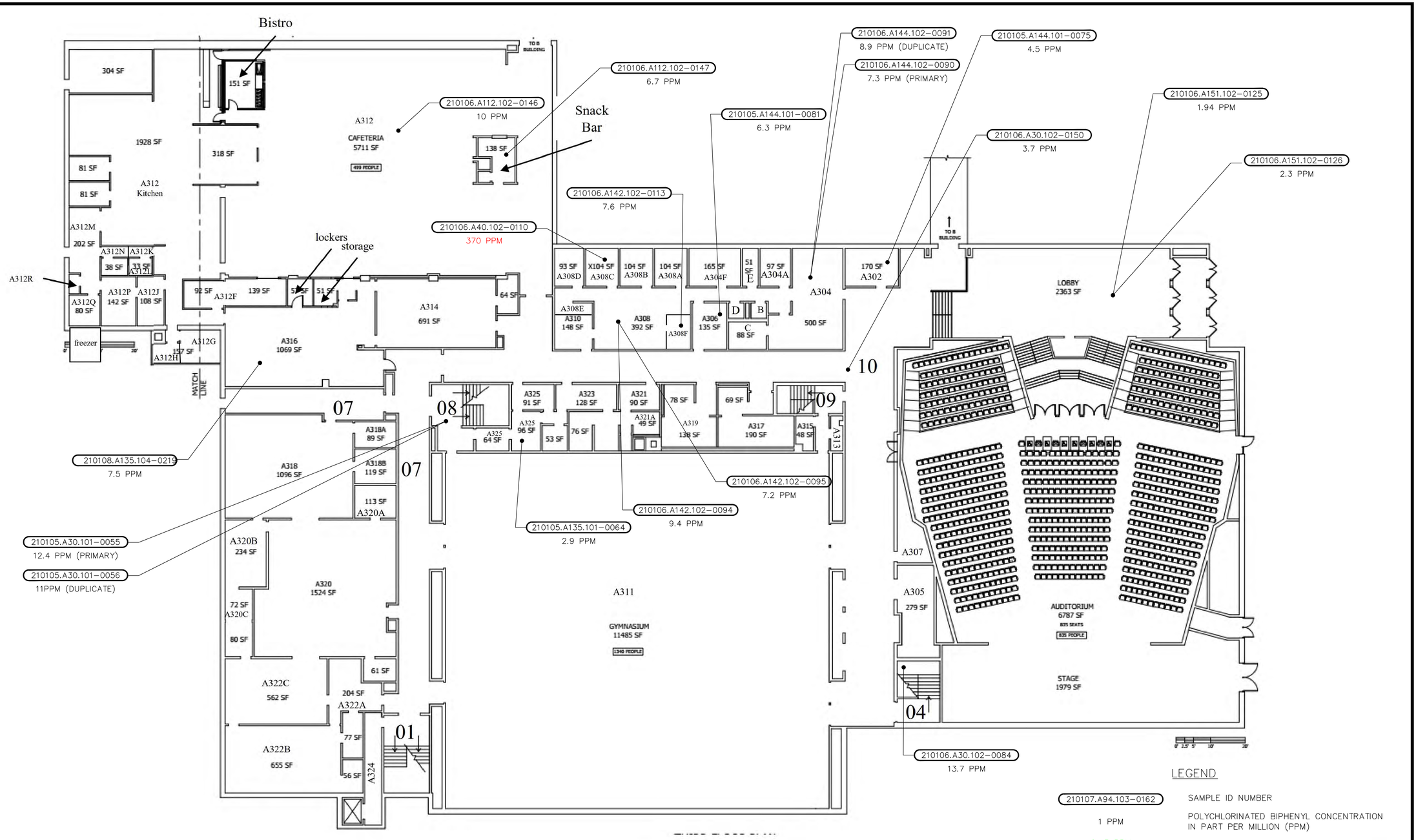
BUILDING A - 2ND FLOOR
COVE BASE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A2-3

File: J:\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM01_BLDG_A.dwg Layout: HM-A2-3 Plotted: 2021-10-14 10:55 AM Saved: 2021-10-14 10:45 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 3RD FLOOR
COVE BASE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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BUILDING A - 3RD FLOOR
COVE BASE ADHESIVE PLAN
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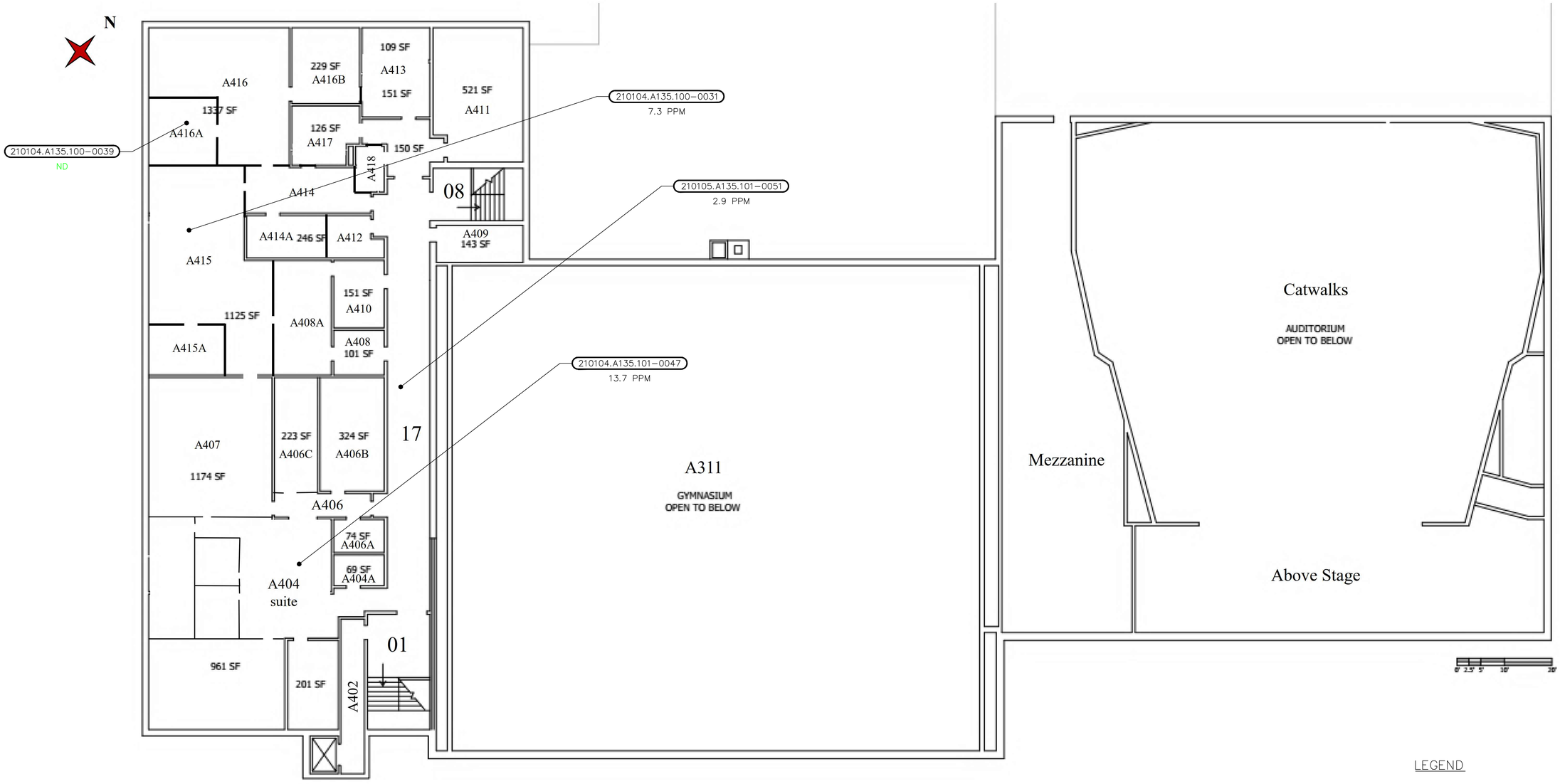
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A3-3

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM01_BLDG_A.dwg Layout: HM-A3-3 Plotted: 2021-10-14 10:57 AM Saved: 2021-10-14 10:45 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 4TH FLOOR
COVE BASE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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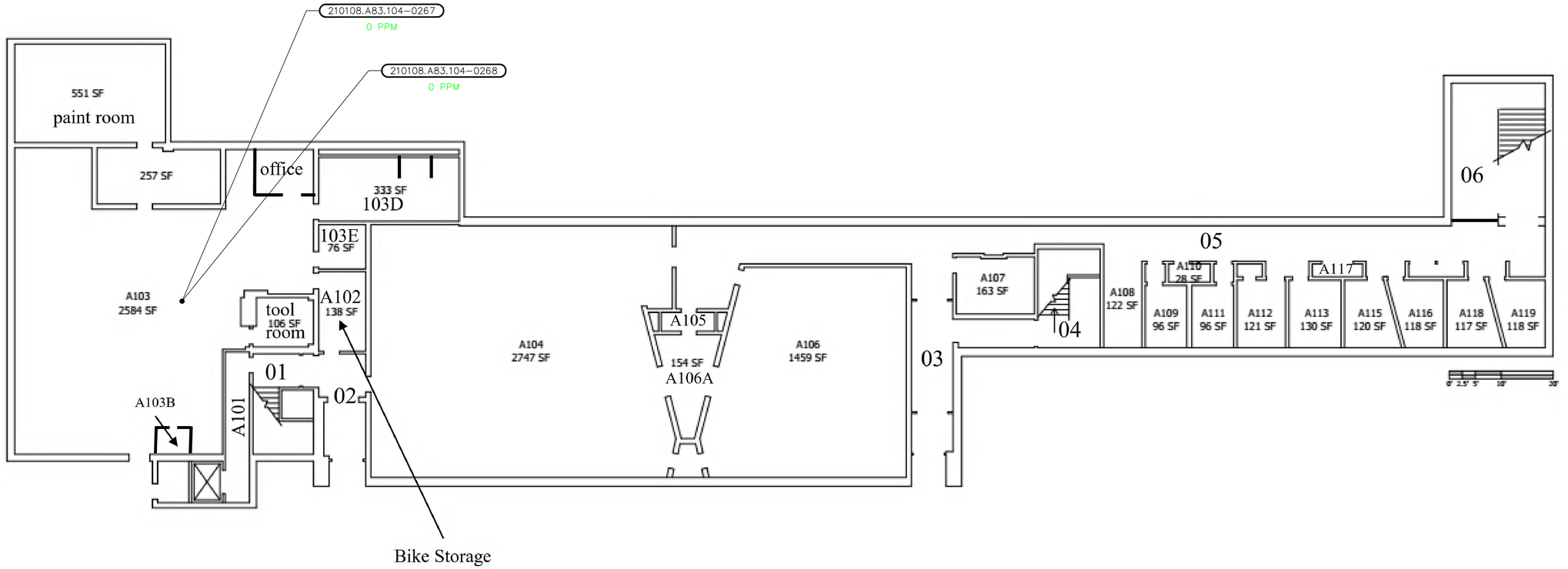
WHITE RIVER JUNCTION, VT 05001
802.698.0370
www.fando.com

BURLINGTON SCHOOL DISTRICT
BUILDING A - 4TH FLOOR
COVE BASE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A4-3

File: \\private\dfs\CadProj\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM01_BLDG_A.dwg Layout: HM-A4-3 Plotted: 2021-12-22 4:05 PM Saved: 2021-12-22 1:04 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 1ST FLOOR
DUCT SEAM SEALANT

NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

FUSS & O'NEILL
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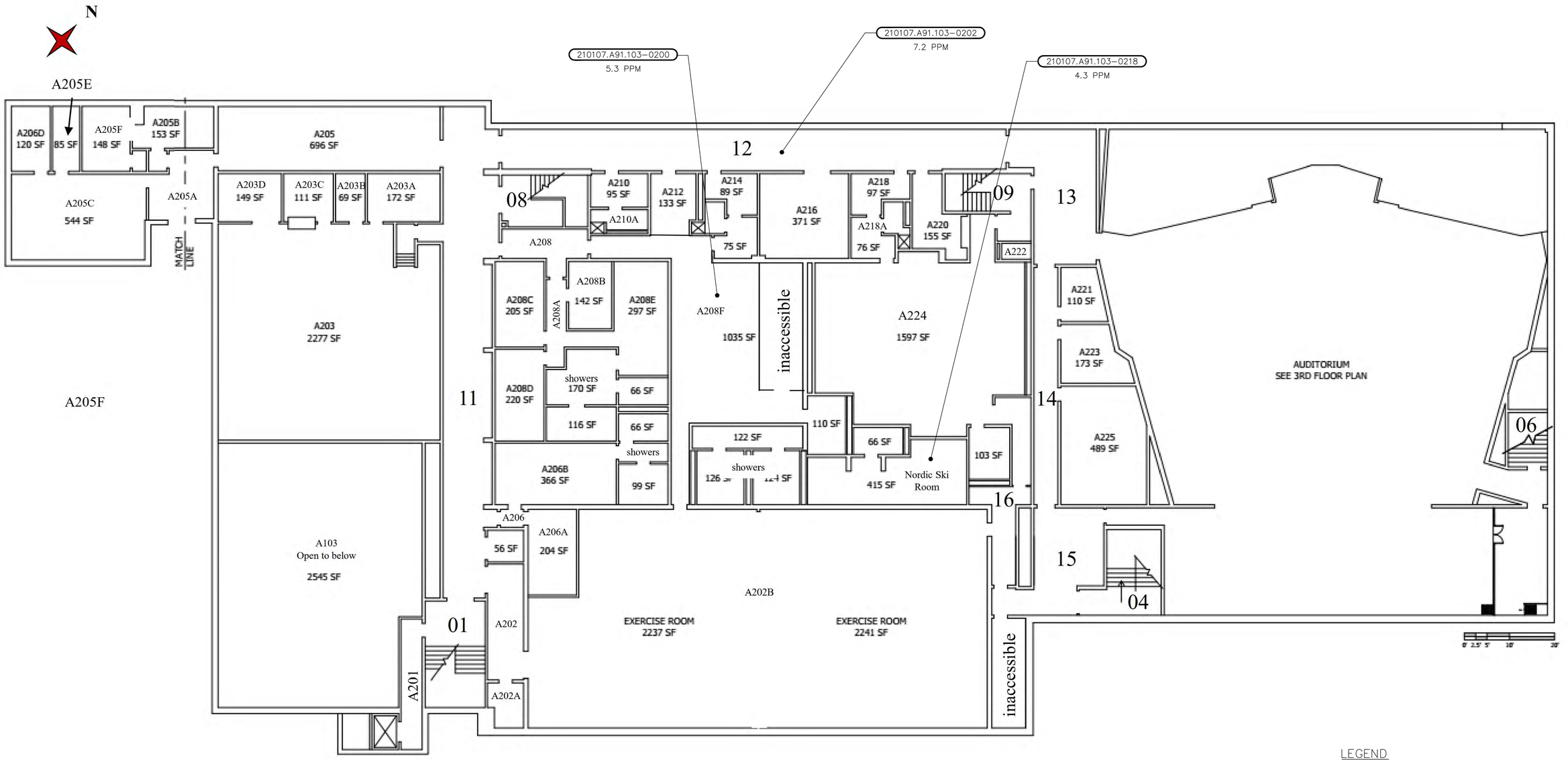
BURLINGTON SCHOOL DISTRICT
BUILDING A - 1ST FLOOR
DUCT SEAM SEALANT PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A1-4

File: J:\DWG\P2019\14000A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM01_BLDG_A.dwg Layout: HM-A1-4 Plotted: 2021-10-14 11:00 AM Saved: 2021-10-14 10:45 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 2ND FLOOR
DUCT SEAM SEALANT

NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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BUILDING A - 2ND FLOOR
DUCT SEAM SEALANT PLAN

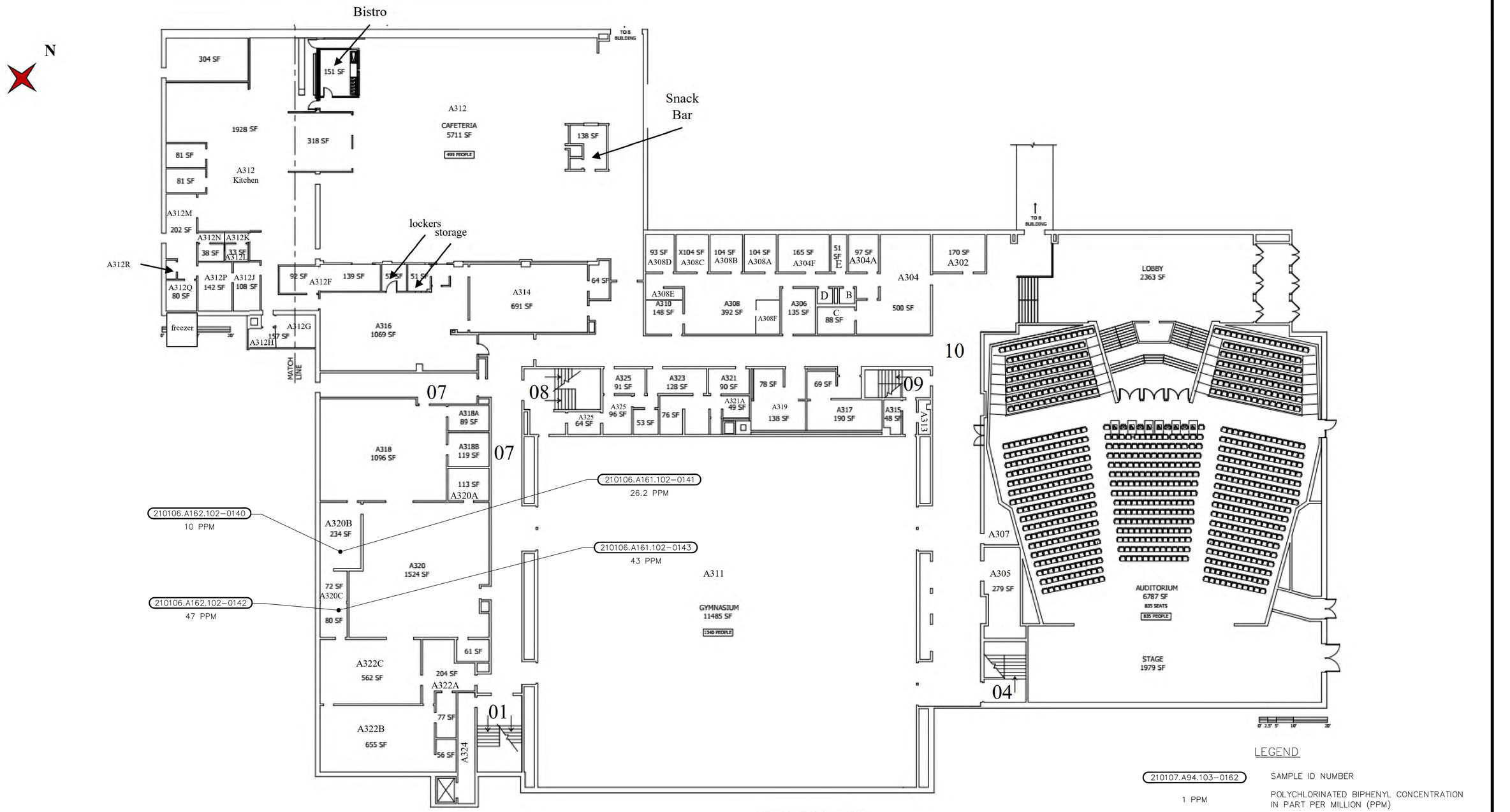
BHS PCB SITE INVESTIGATION

BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A2-4

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM01_BLDG_A.dwg Layout: HM-A2-4 Plotted: 2021-10-14 11:01 AM Saved: 2021-10-14 10:45 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 3RD FLOOR
DUCT SEAM SEALANT

NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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BUILDING A - 3RD FLOOR
DUCT SEAM SEALANT PLAN

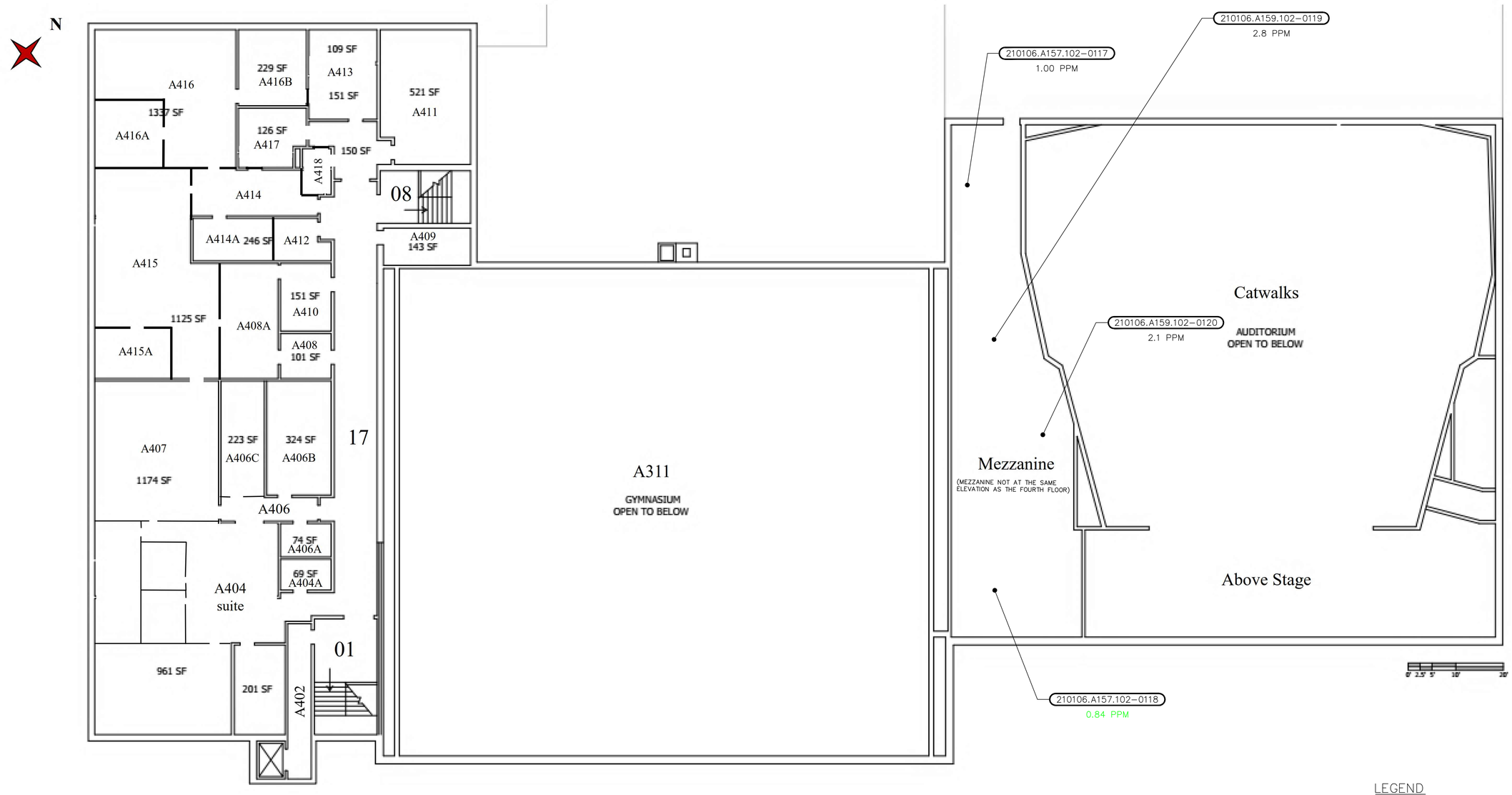
BHS PCB SITE INVESTIGATION

BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A3-4

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM01_BLDG_A.dwg Layout: HM-A3-4 Plotted: 2021-10-14 11:02 AM Saved: 2021-10-14 10:45 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 4TH FLOOR
DUCT SEAM SEALANT
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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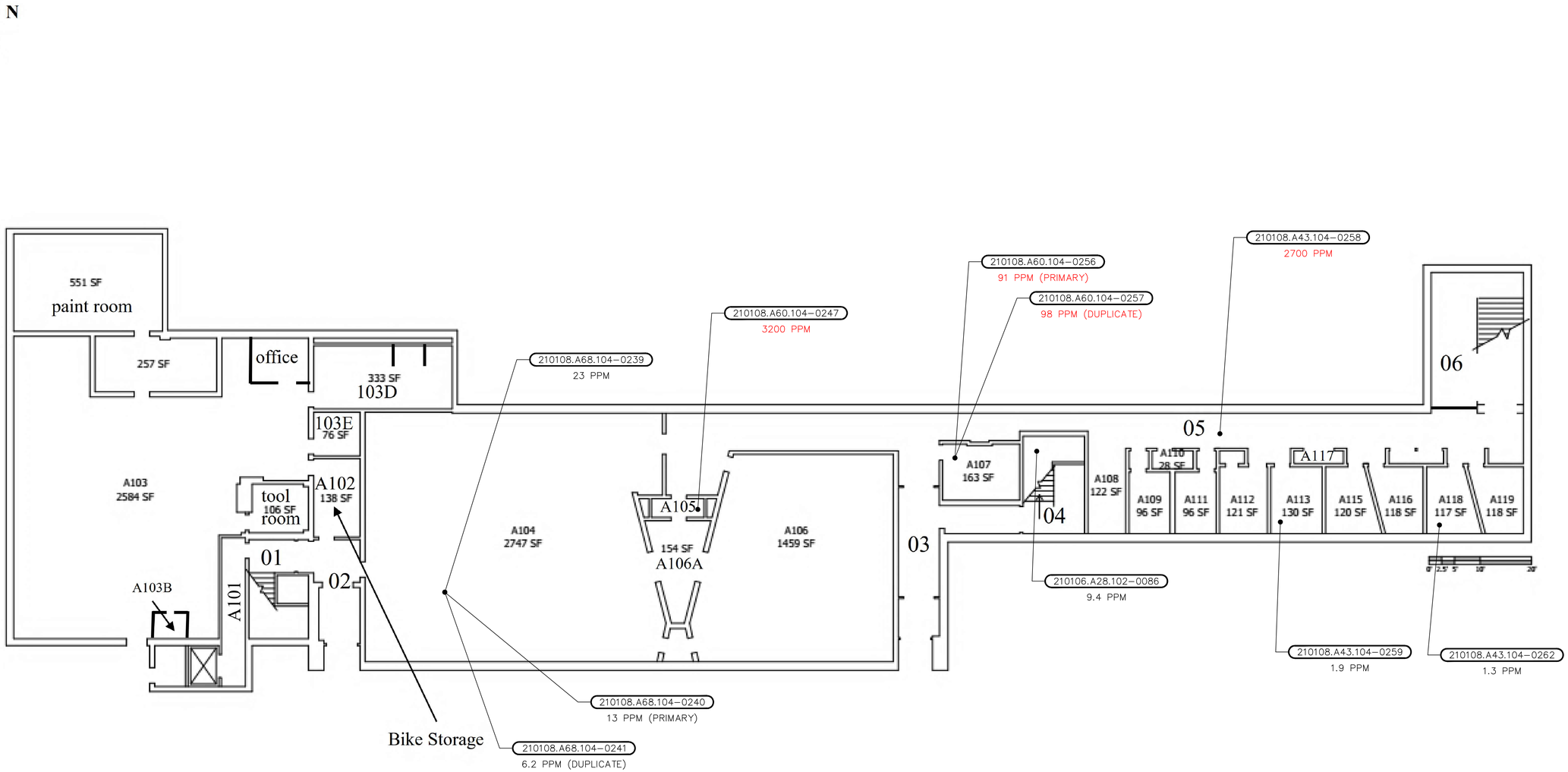
BURLINGTON SCHOOL DISTRICT
BUILDING A - 4TH FLOOR
DUCT SEAM SEALANT PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A4-4



BUILDING A – 1ST FLOOR
FLOOR TILE MASTIC
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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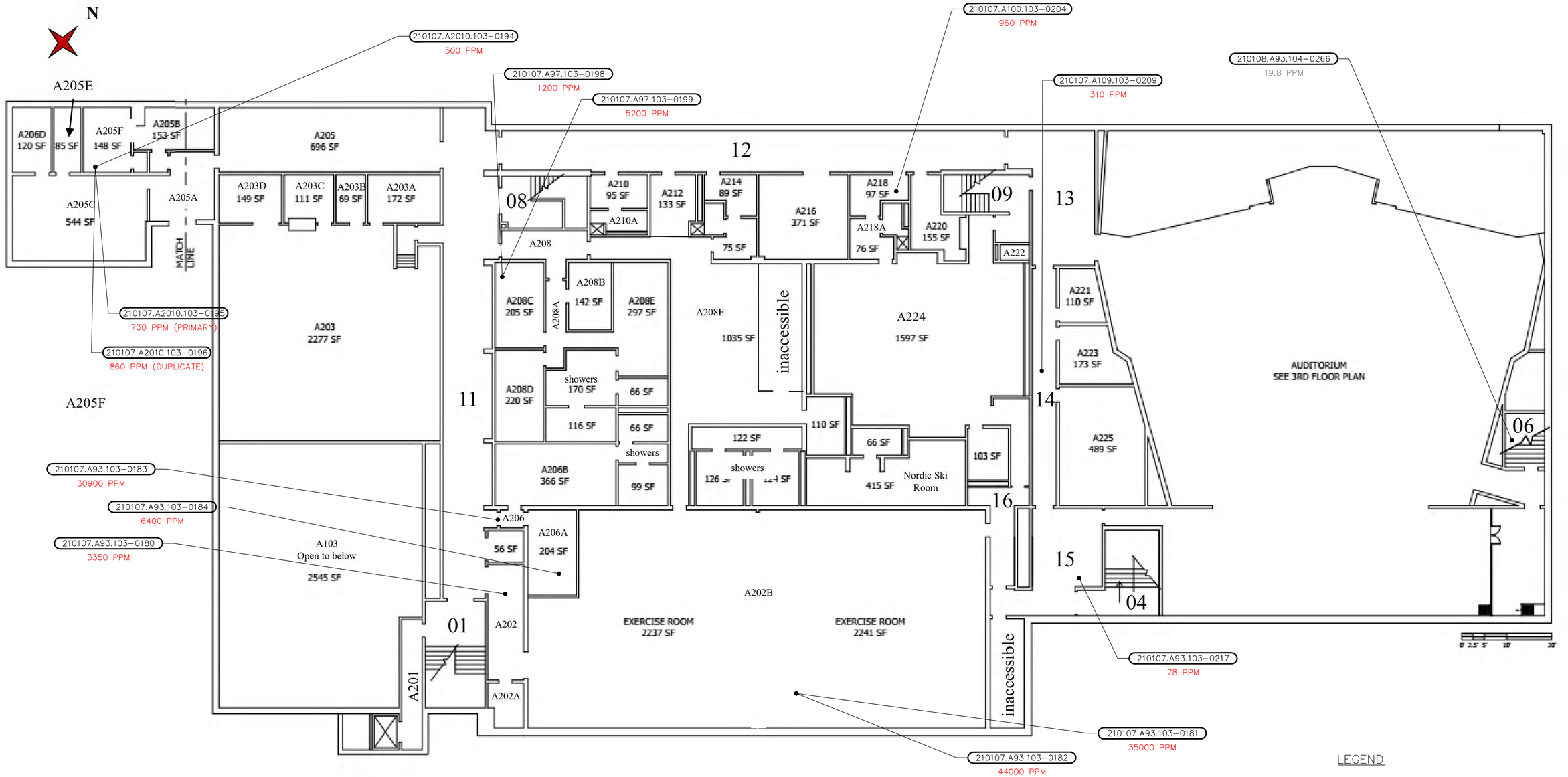
BURLINGTON SCHOOL DISTRICT
BUILDING A - 1ST FLOOR
FLOOR TILE MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A1-5



BUILDING A – 2ND FLOOR
FLOOR TILE MASTIC
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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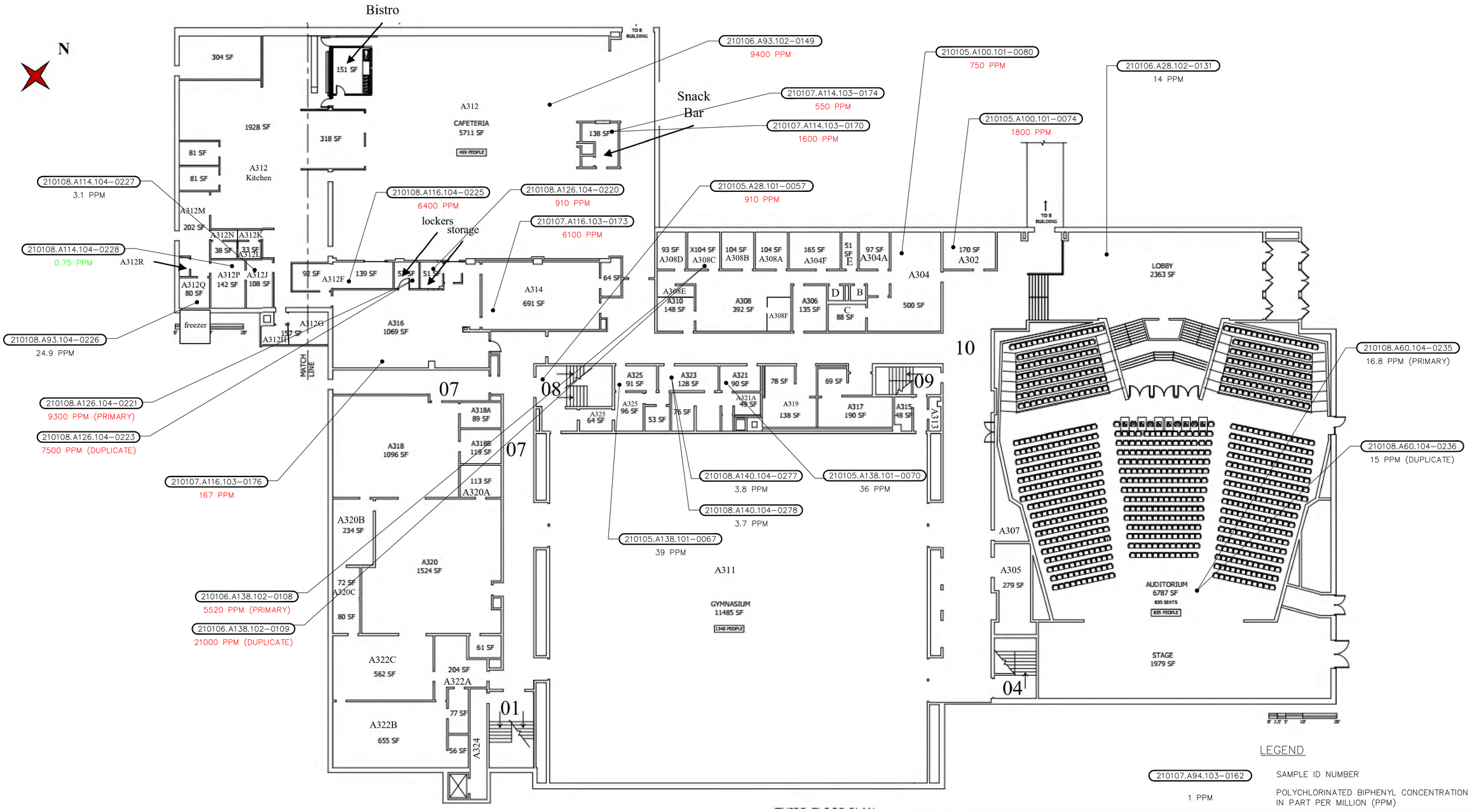
BURLINGTON SCHOOL DISTRICT
BUILDING A - 2ND FLOOR
FLOOR TILE MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A2-5



BUILDING A – 3RD FLOOR
FLOOR TILE MASTIC

NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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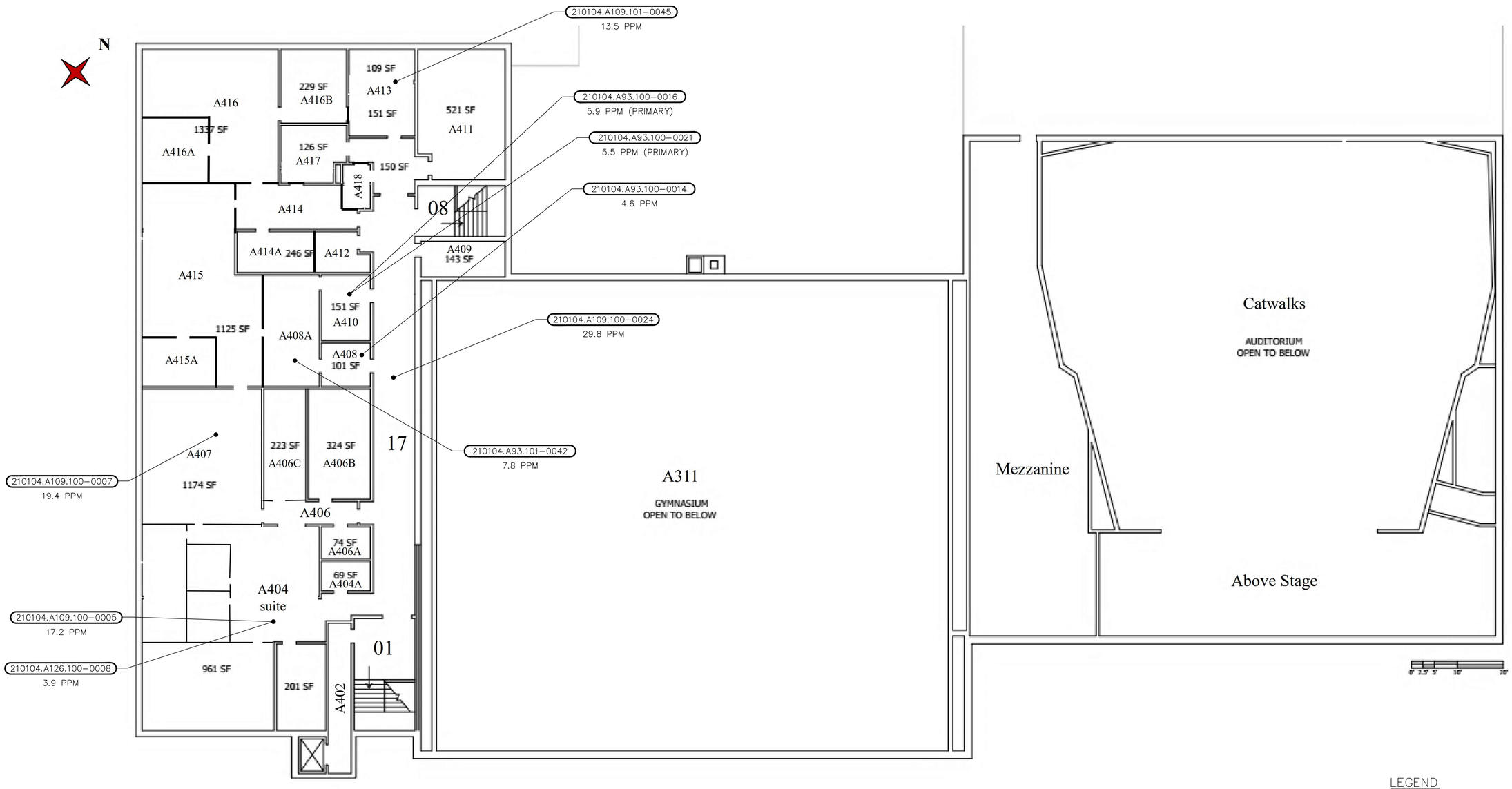
BURLINGTON SCHOOL DISTRICT
BUILDING A - 3RD FLOOR
FLOOR TILE MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A3-5

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM01_BLDG_A.dwg Layout: HM-A3-5 Plotted: 2021-10-14 11:11 AM Saved: 2021-10-14 10:45 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 4TH FLOOR
FLOOR TILE MASTIC
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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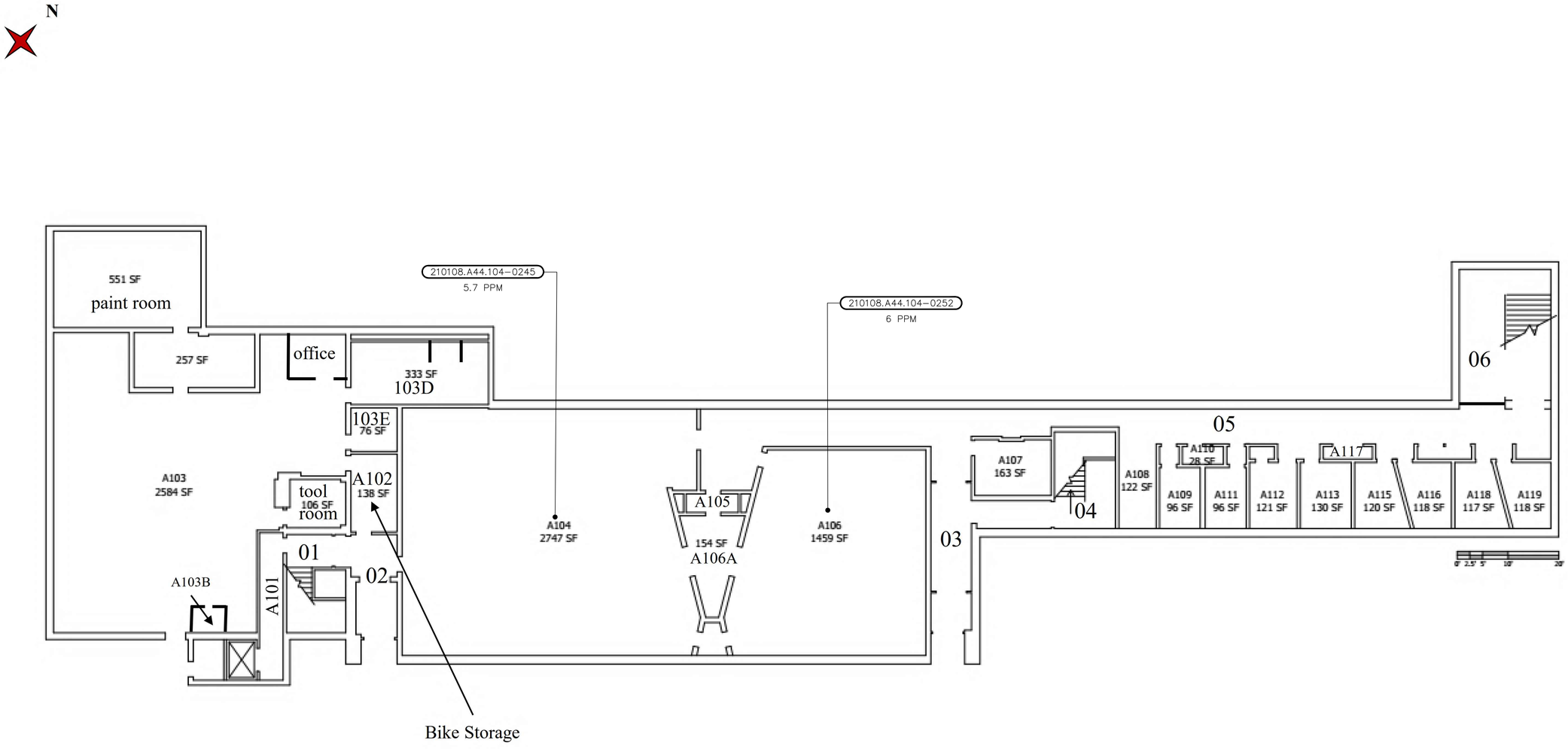
BURLINGTON SCHOOL DISTRICT
BUILDING A - 4TH FLOOR
FLOOR TILE MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A4-5

File: J:\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM01_BLDG_A.dwg Layout: HM-A4-5 Plotted: 2021-10-14 11:12 AM Saved: 2021-10-14 10:45 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 1ST FLOOR
GLUE DAUBS
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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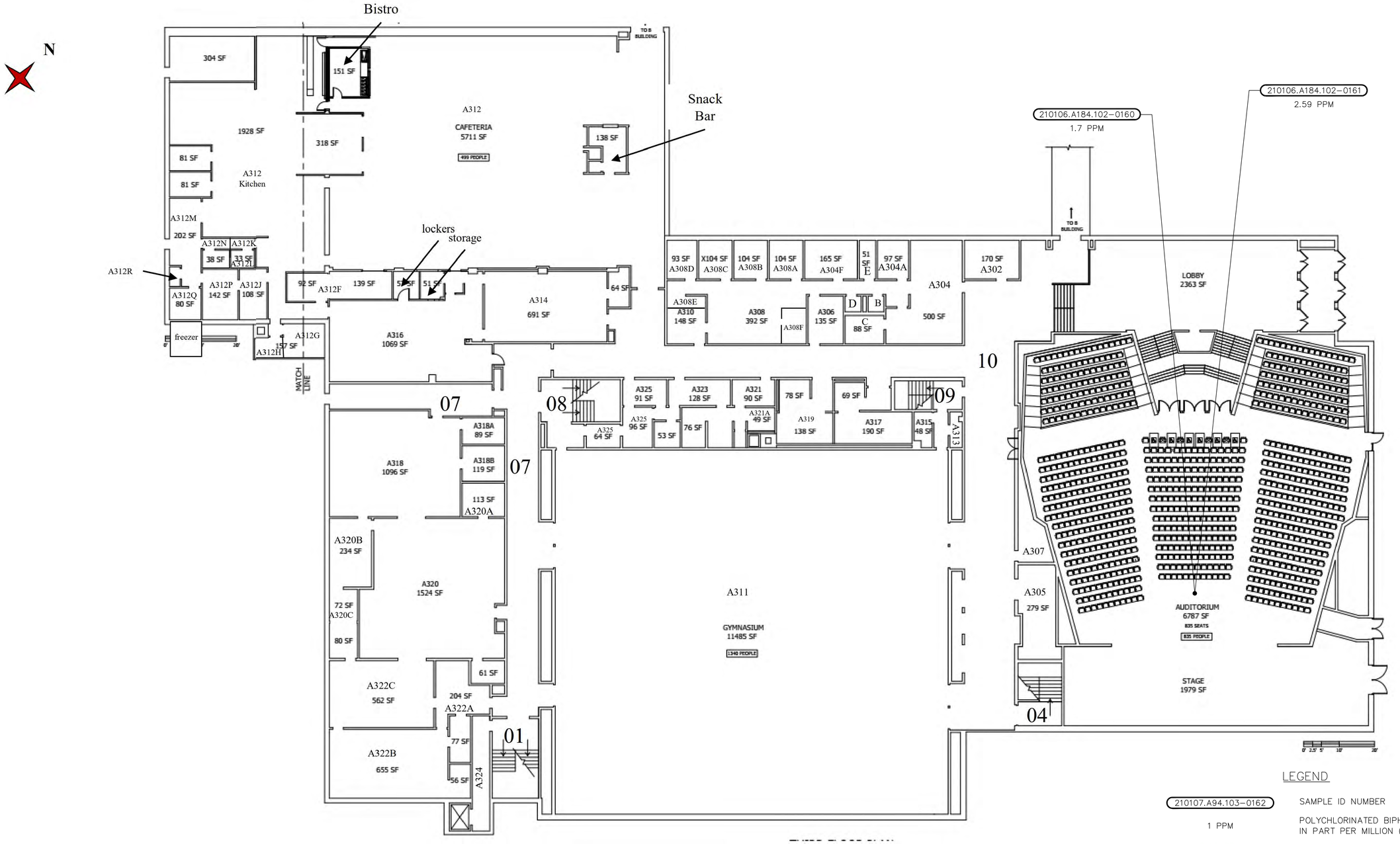
BURLINGTON SCHOOL DISTRICT
BUILDING A - 1ST FLOOR
GLUE DAUBS PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A1-6



BUILDING A – 3RD FLOOR
GLUE DAUBS
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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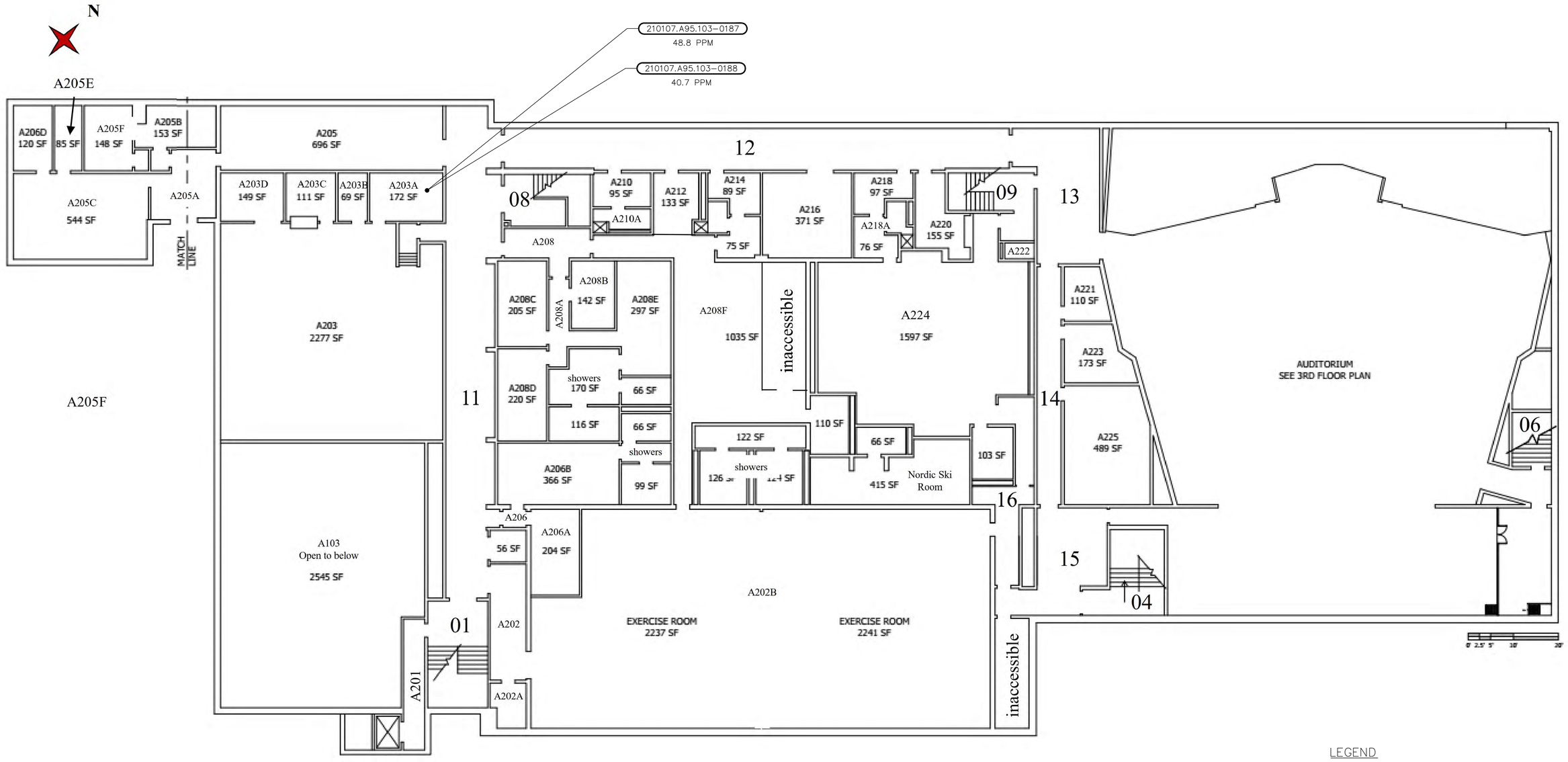
BURLINGTON SCHOOL DISTRICT
BUILDING A - 3RD FLOOR
GLUE DAUBS PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A3-6

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM02_BLDG_A.dwg Layout: HM-A3-6 Plotted: 2021-10-14 11:25 AM Saved: 2021-10-13 11:48 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 2ND FLOOR
SILVER COATING
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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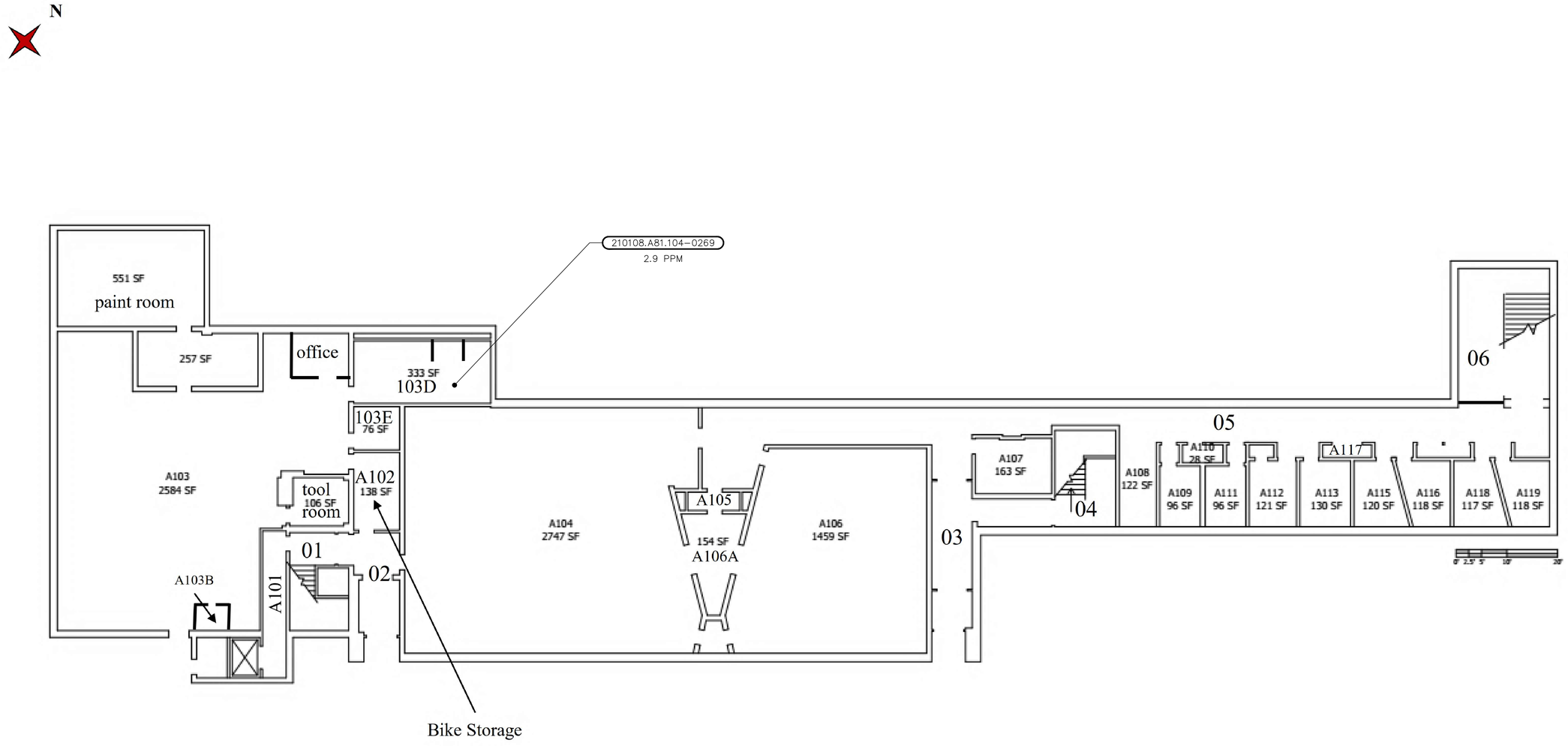
BURLINGTON SCHOOL DISTRICT
BUILDING A - 2ND FLOOR
SILVER COATING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A2-7

File: J:\DWG\P2019\14000A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM02_BLDG_A.dwg Layout: HM-A2-7 Plotted: 2021-10-14 11:27 AM Saved: 2021-10-13 11:48 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 1ST FLOOR
SINK UNDERCOATING
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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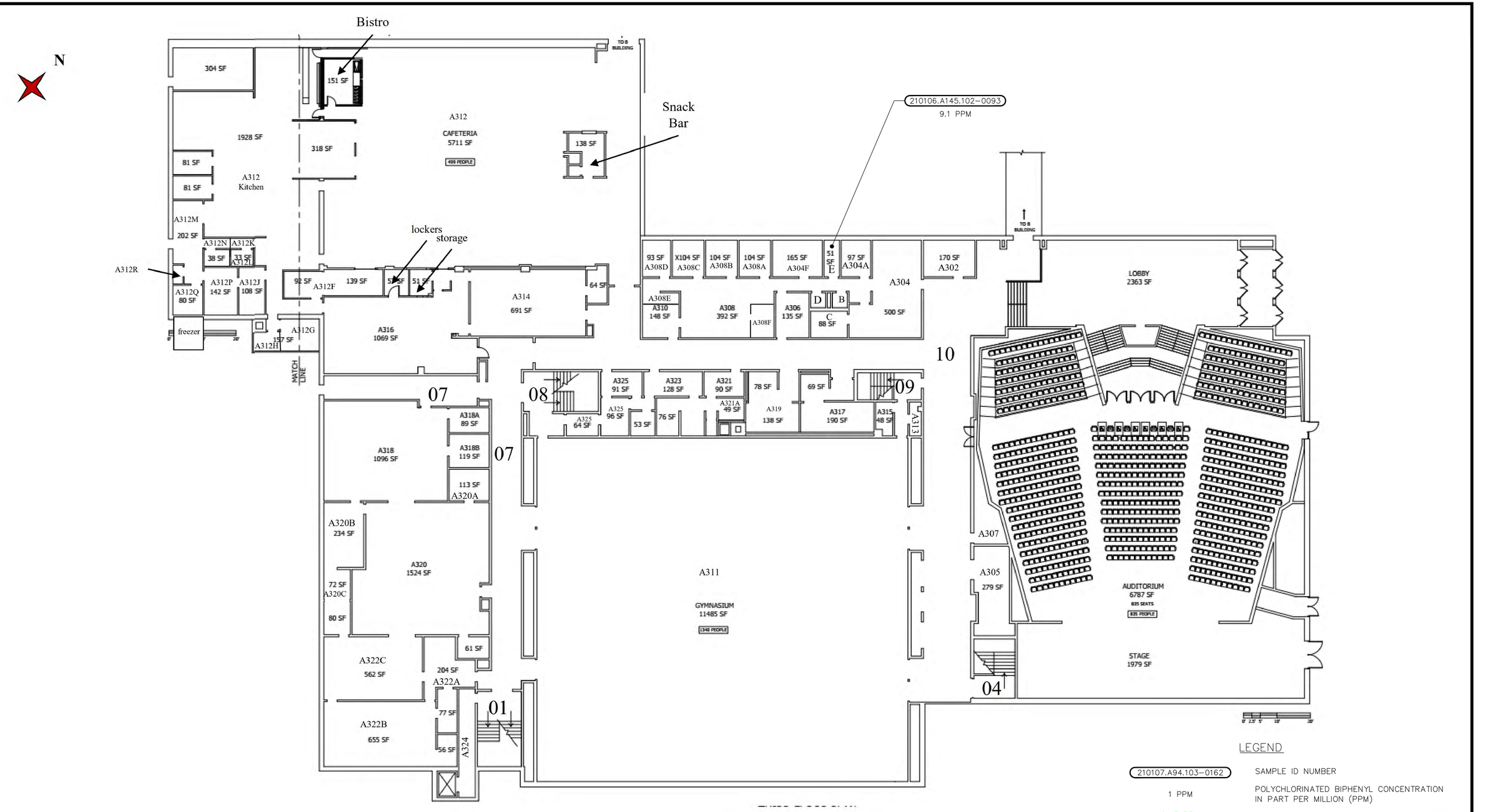
BURLINGTON SCHOOL DISTRICT
BUILDING A - 1ST FLOOR
SINK UNDERCOATING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A1-8



BUILDING A – 3RD FLOOR
SINK UNDERCOATING
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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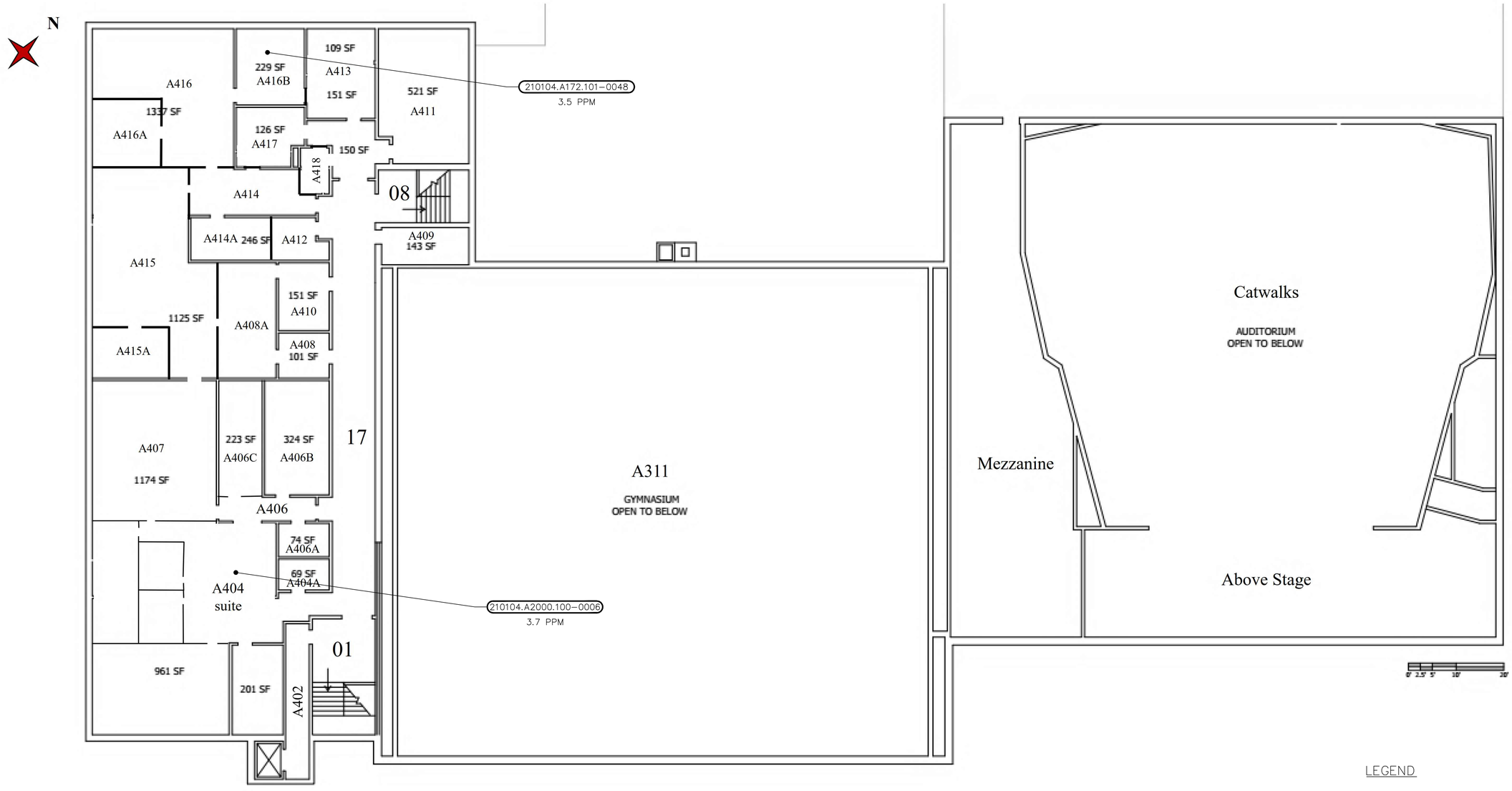
BURLINGTON SCHOOL DISTRICT
BUILDING A - 3RD FLOOR
SINK UNDERCOATING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A3-8

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM02_BLDG_A.dwg Layout: HM-A3-8 Plotted: 2021-10-14 11:30 AM Saved: 2021-10-13 11:48 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 4TH FLOOR
SINK UNDERCOATING
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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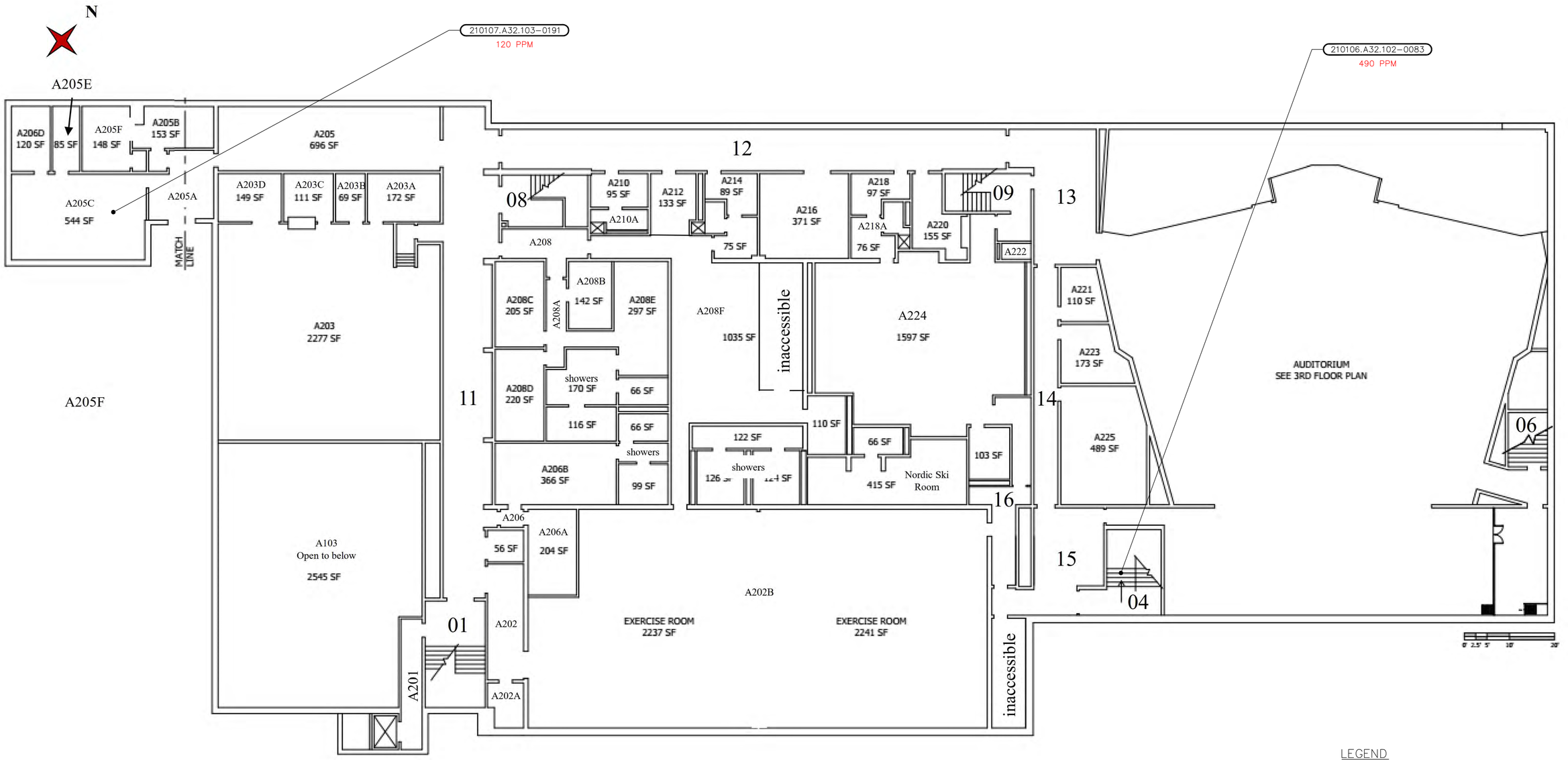
BURLINGTON SCHOOL DISTRICT
BUILDING A - 4TH FLOOR
SINK UNDERCOATING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A4-8

File: J:\DWG\P2019\19400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM02_BLDG_A.dwg Layout: HM-A4-8 Plotted: 2021-10-14 11:31 AM Saved: 2021-10-13 11:48 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 2ND FLOOR
STAIR TREAD ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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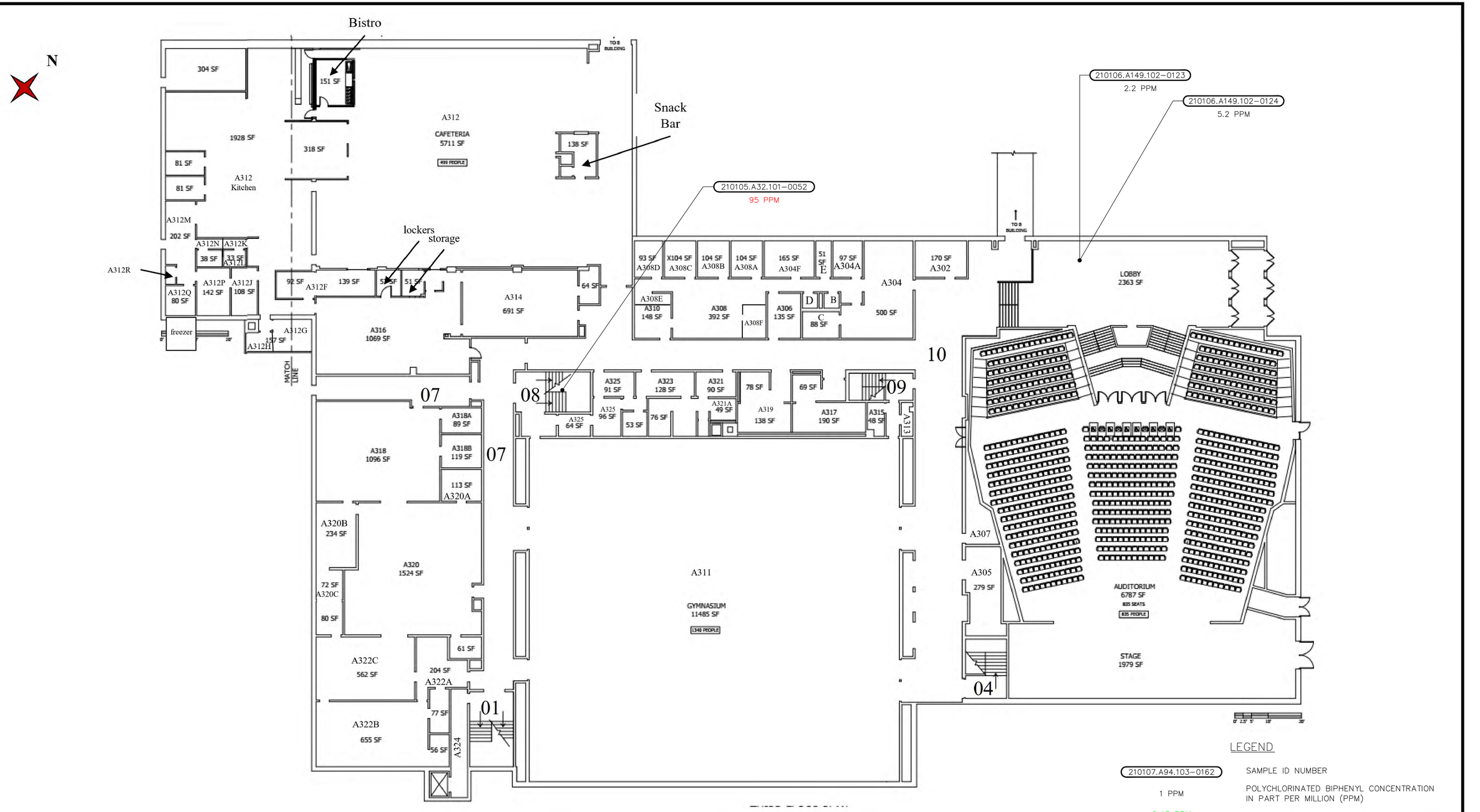
www.fando.com

BURLINGTON SCHOOL DISTRICT
BUILDING A - 2ND FLOOR
STAIR TREAD ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A2-9

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM02_BLDG_A.dwg Layout: HM-A2-9 Plotted: 2021-10-14 11:32 AM Saved: 2021-10-13 11:48 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 3RD FLOOR
STAIR TREAD ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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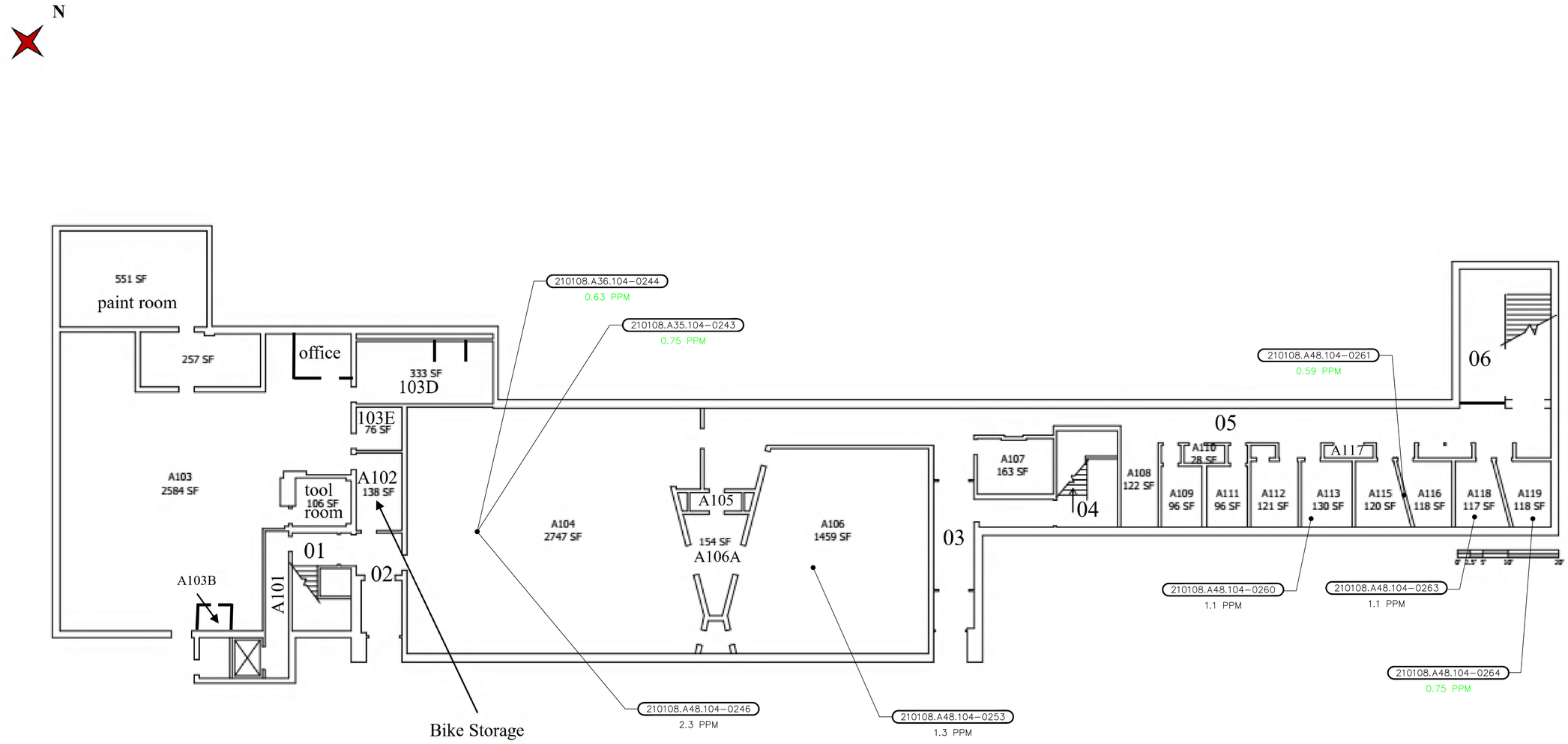
BURLINGTON SCHOOL DISTRICT
BUILDING A - 3RD FLOOR
STAIR TREAD ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A3-9

File: J:\DWG\P2019\14\00A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM02_BLDG_A.dwg Layout: HM-A3-9 Plotted: 2021-10-14 11:34 AM Saved: 2021-10-13 11:48 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 1ST FLOOR
SUSPENDED CEILING TILE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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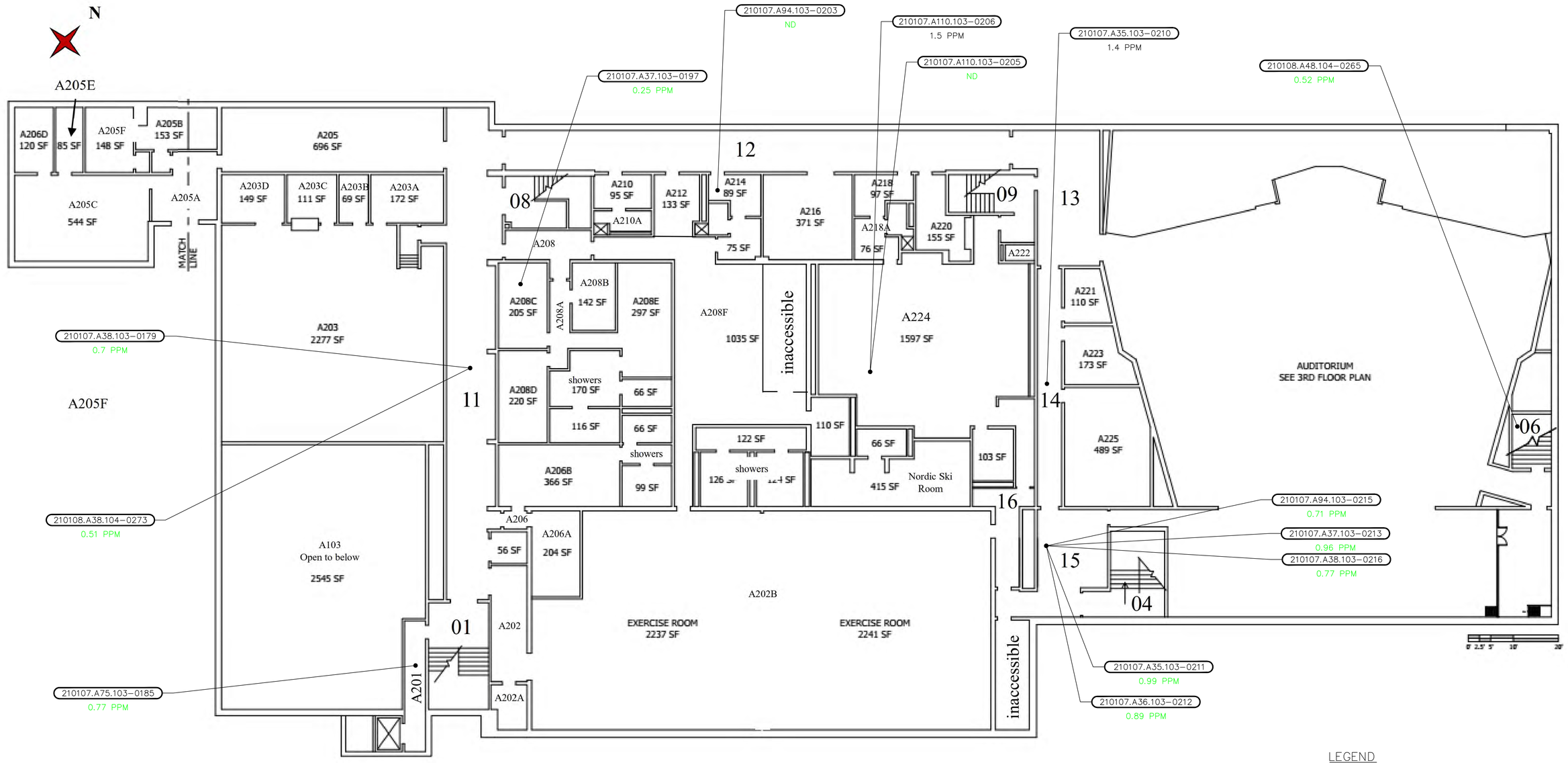
BURLINGTON SCHOOL DISTRICT
BUILDING A - 1ST FLOOR
SUSPENDED CEILING TILE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A1-12

File: J:\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM03_BLDG_A.dwg Layout: HM-A1-12 Plotted: 2021-10-14 11:44 AM Saved: 2021-10-13 12:11 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 2ND FLOOR
SUSPENDED CEILING TILE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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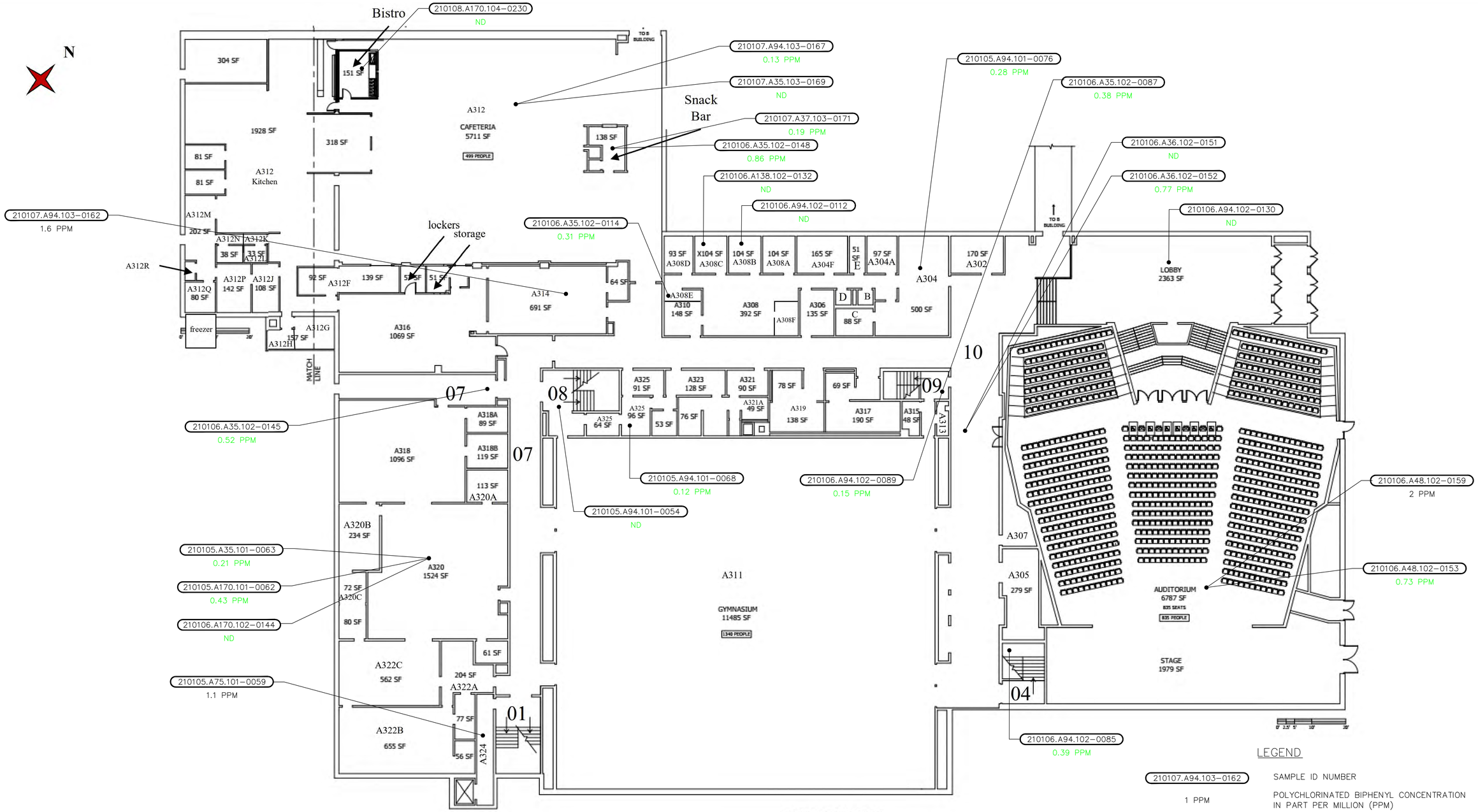
BURLINGTON SCHOOL DISTRICT
BUILDING A - 2ND FLOOR
SUSPENDED CEILING TILE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A2-12



BUILDING A – 3RD FLOOR
SUSPENDED CEILING TILE

NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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BUILDING A - 3RD FLOOR
SUSPENDED CEILING TILE PLAN

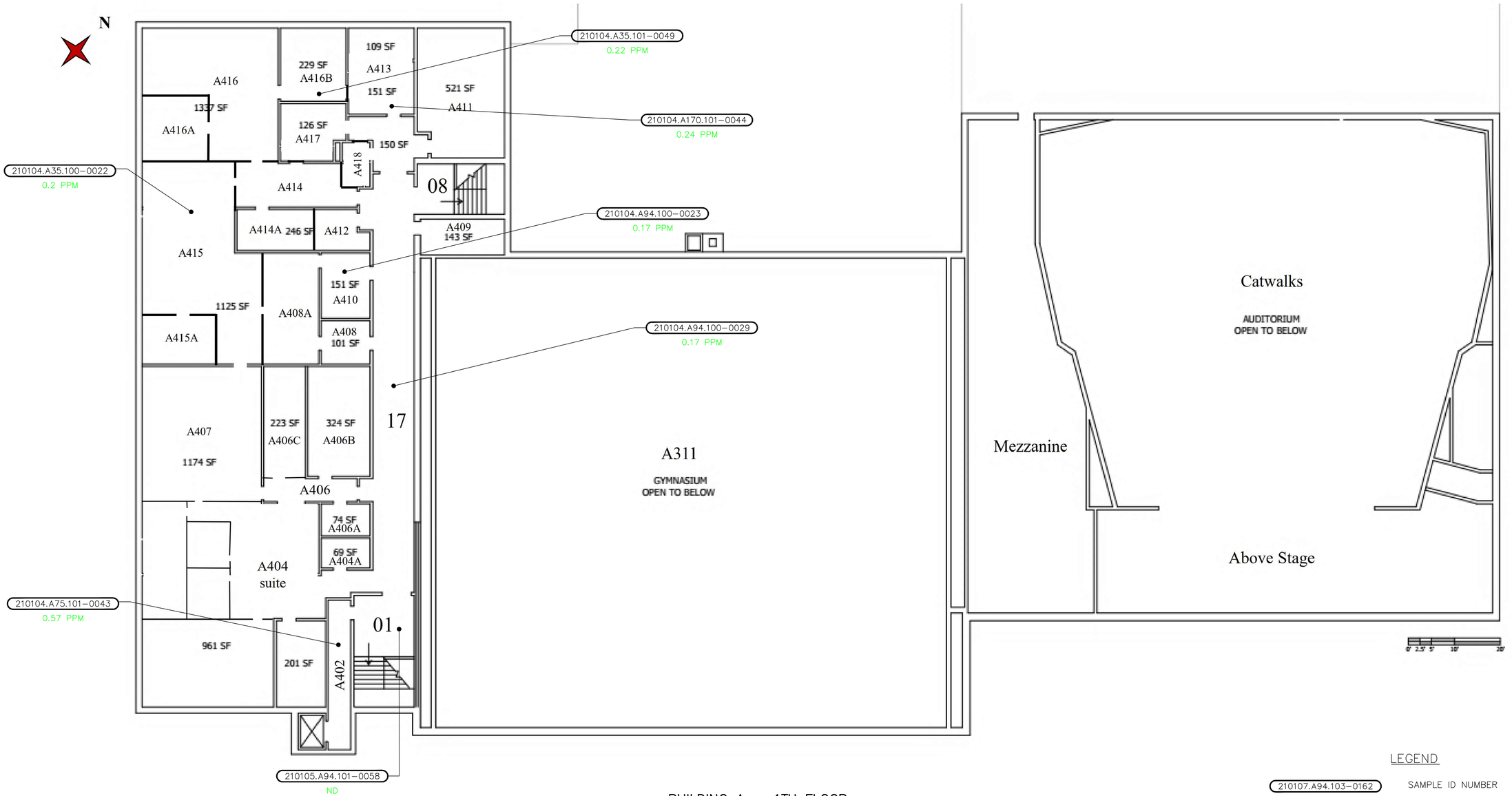
BHS PCB SITE INVESTIGATION

BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A3-12

File: \\private\dfs\CadProj\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM03_BLDG_A.dwg Layout: HM-A3-12 Plotted: 2021-12-22 4:11 PM Saved: 2021-12-22 1:33 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 4TH FLOOR
SUSPENDED CEILING TILE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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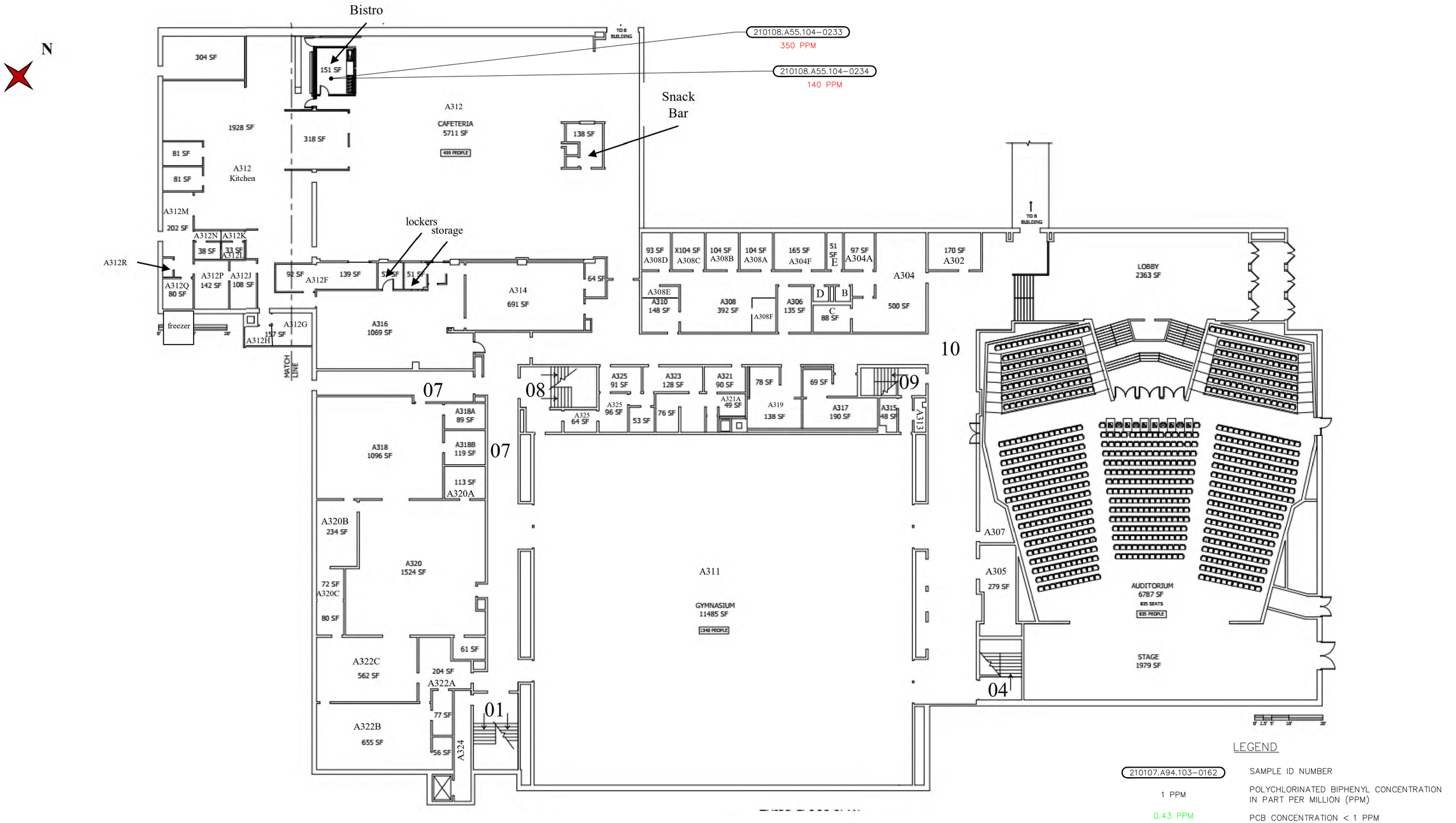
BURLINGTON SCHOOL DISTRICT
BUILDING A - 4TH FLOOR
SUSPENDED CEILING TILE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A4-12

File: \\private\dfs\CadProj\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM03_BLDG_A.dwg Layout: HM-A4-12 Plotted: 2021-12-22 4:11 PM Saved: 2021-12-22 1:33 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 3RD FLOOR
TILE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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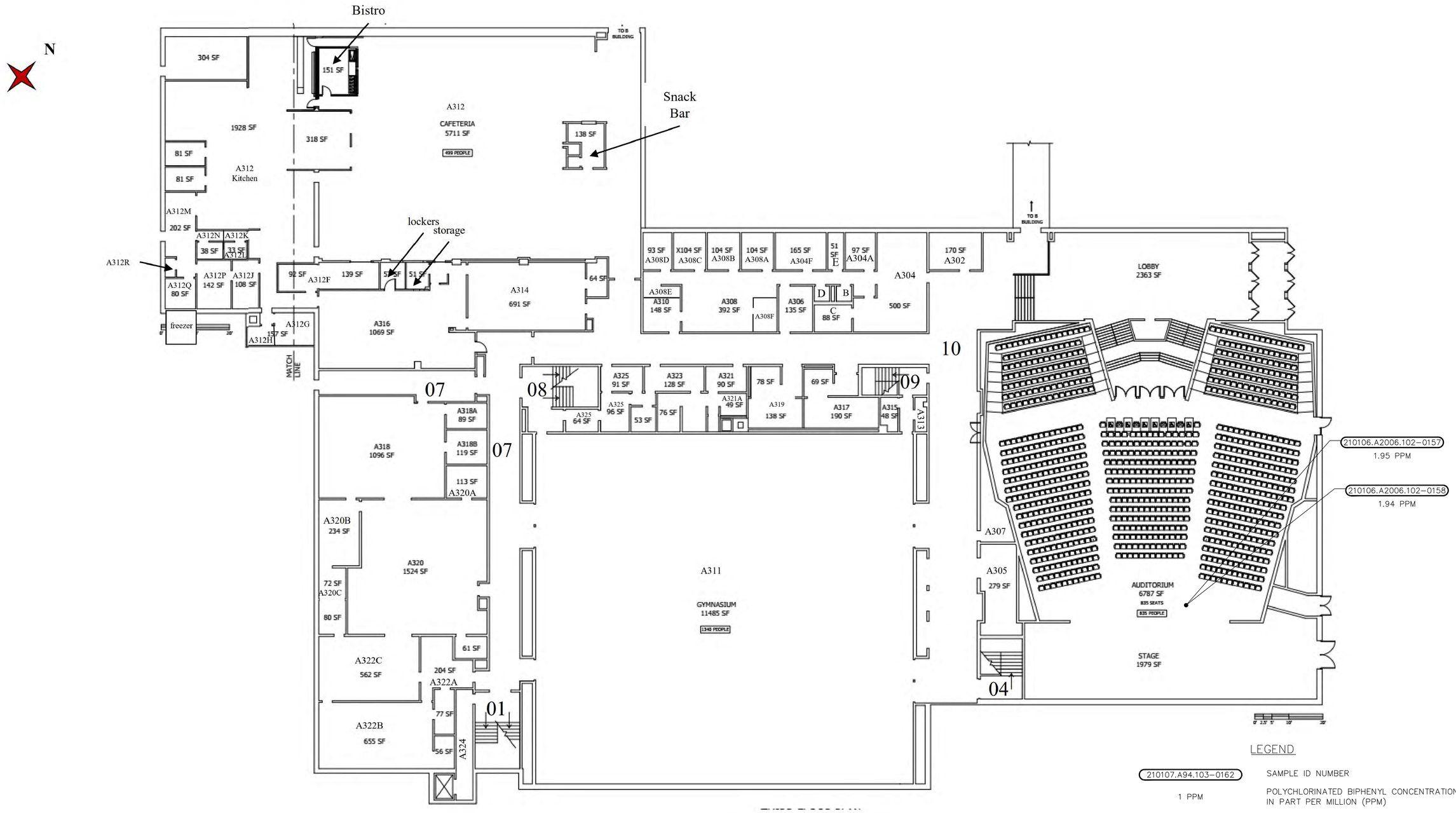
BURLINGTON SCHOOL DISTRICT
BUILDING A - 3RD FLOOR
TILE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A3-13

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM03_BLDG_A.dwg Layout: HM-A3-13 Plotted: 2021-10-14 11:49 AM Saved: 2021-10-13 12:11 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 3RD FLOOR
WALL PANELING ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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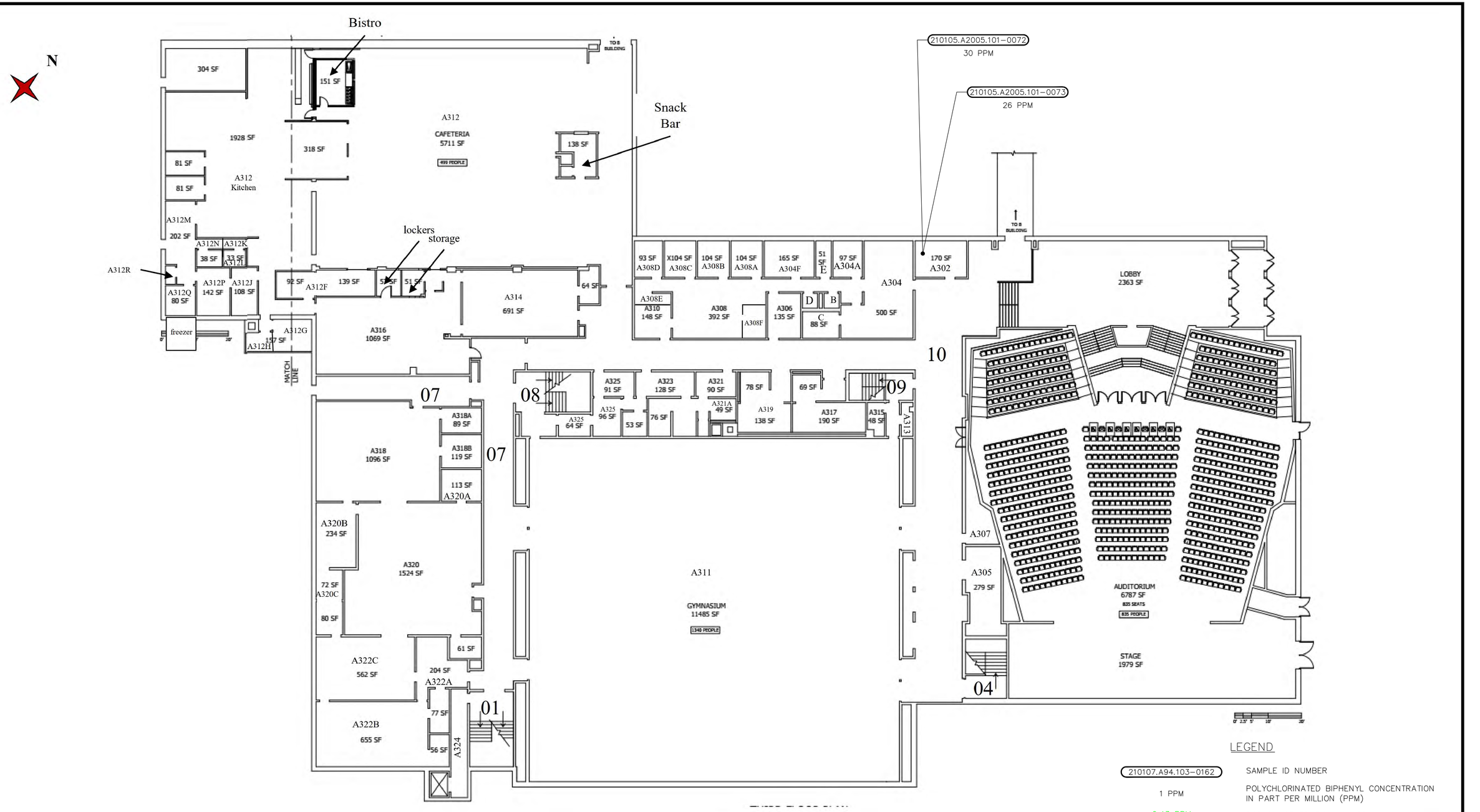
BURLINGTON SCHOOL DISTRICT
BUILDING A - 3RD FLOOR
WALL PANELING ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A3-15

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM03_BLDG_A.dwg Layout: HM-A3-15 Plotted: 2021-10-14 11:50 AM Saved: 2021-10-13 12:11 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

BUILDING A – 3RD FLOOR
WALL PAPER ADHESIVE
NOT TO SCALE

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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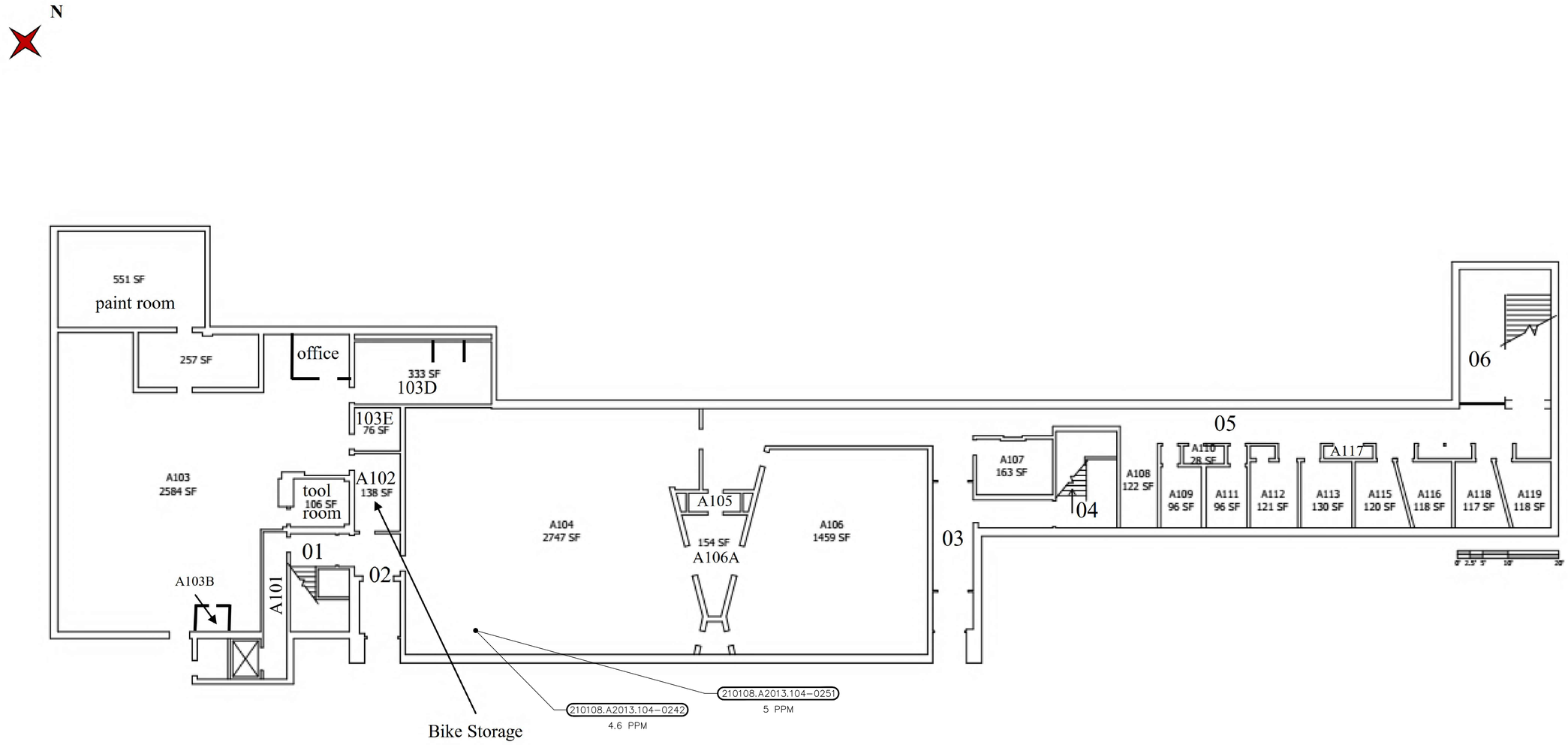
BURLINGTON SCHOOL DISTRICT
BUILDING A - 3RD FLOOR
WALL PAPER ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A3-16



BUILDING A – 1ST FLOOR
EXPANSION JOINT CAULKING
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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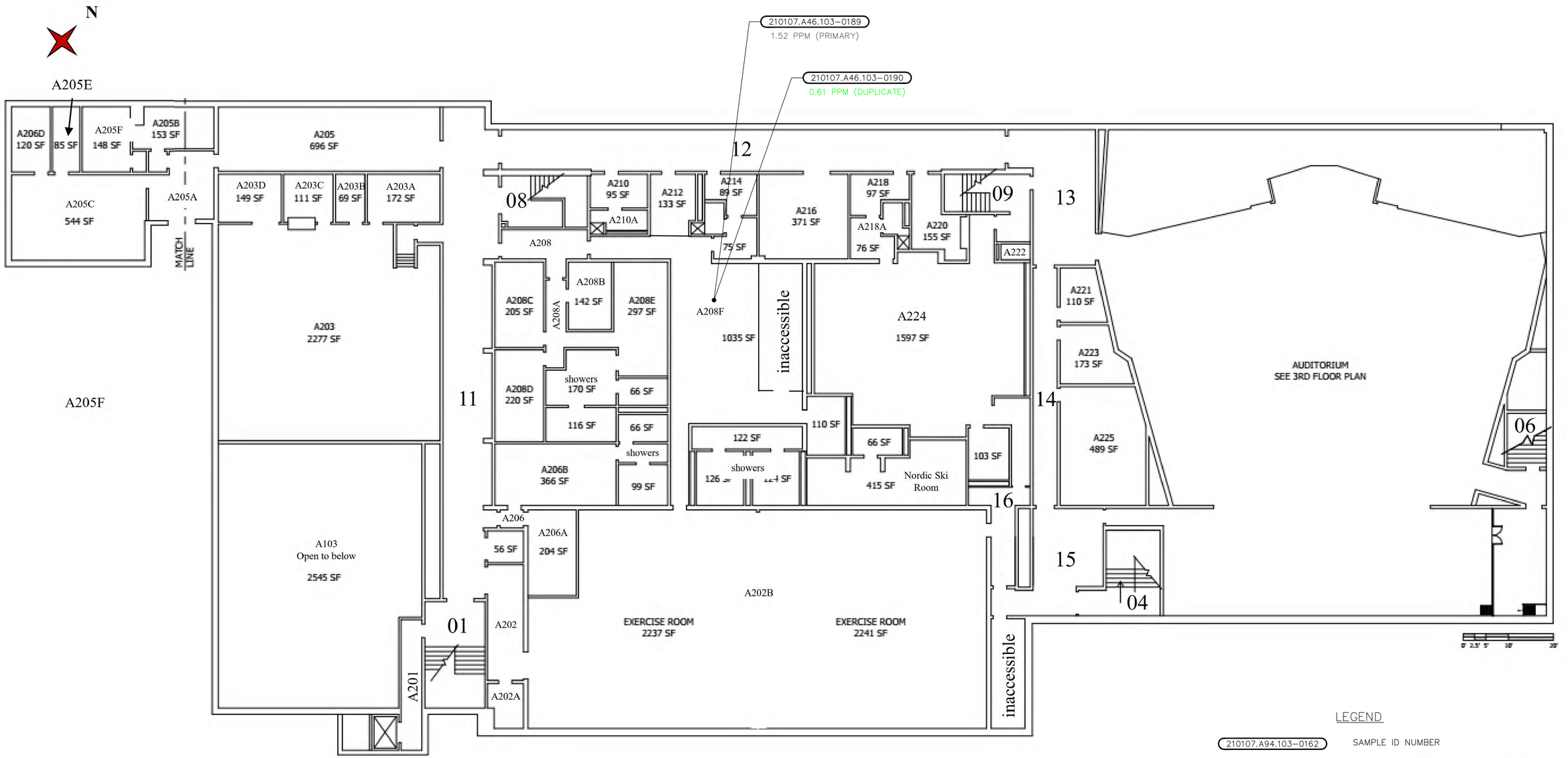
BURLINGTON SCHOOL DISTRICT
BUILDING A - 1ST FLOOR
EXPANSION JOINT CAULKING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A1-19

File: J:\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM03_BLDG_A.dwg Layout: HM-A1-19 Plotted: 2021-12-29 3:13 PM Saved: 2021-12-29 3:12 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 2ND FLOOR
SHOWER ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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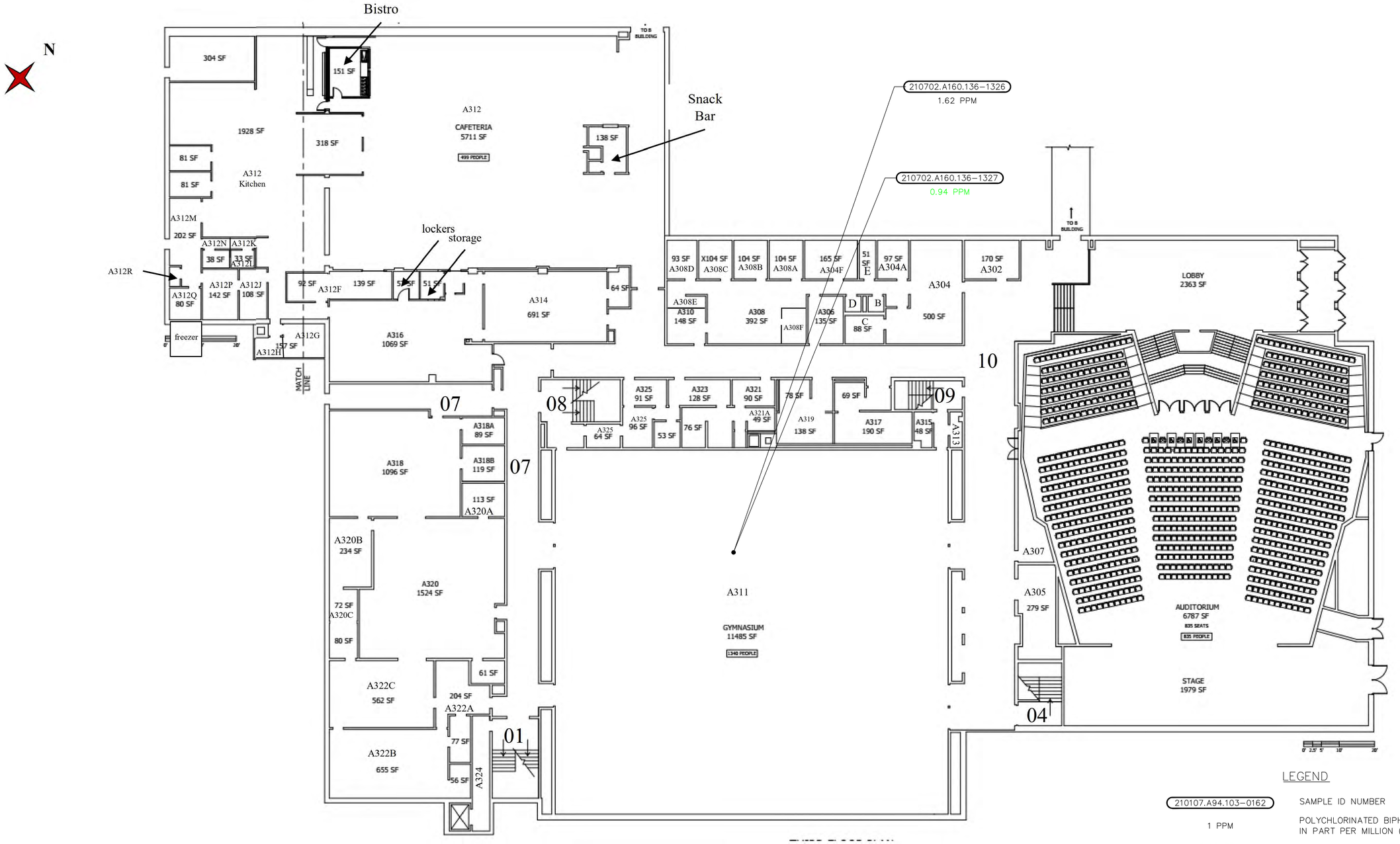
BURLINGTON SCHOOL DISTRICT
BUILDING A - 2ND FLOOR
SHOWER ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021
HM-A2-29



BUILDING A – 3RD FLOOR
VAPOR BARRIER MASTIC
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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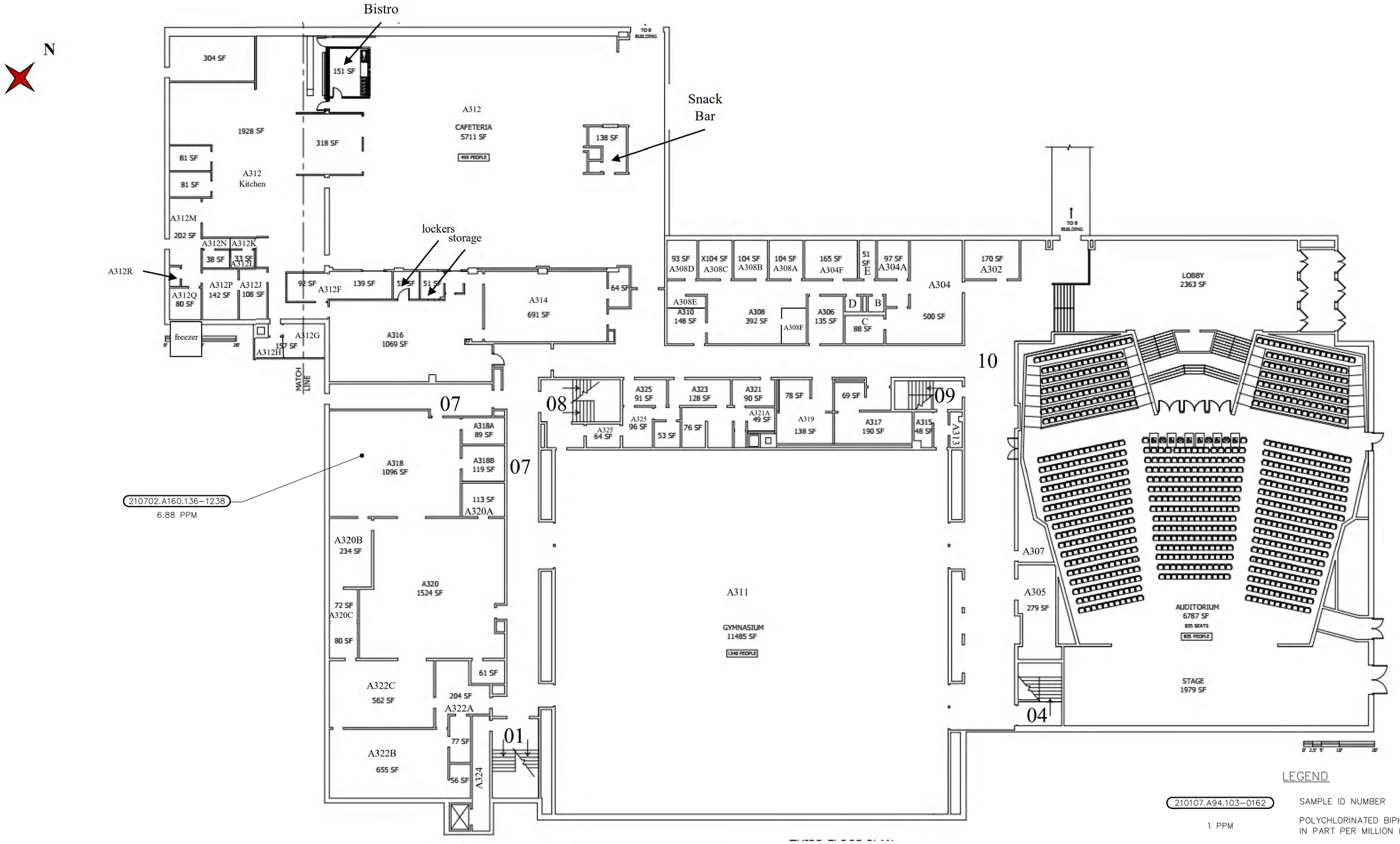
BUILDING A - 3RD FLOOR
VAPOR BARRIER MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A3-30

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM03_BLDG_A.dwg Layout: HM-A3-30 Plotted: 2021-12-29 2:35 PM Saved: 2021-12-29 2:34 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

BUILDING A – 3RD FLOOR
WOOD VARNISH SEALANT
NOT TO SCALE

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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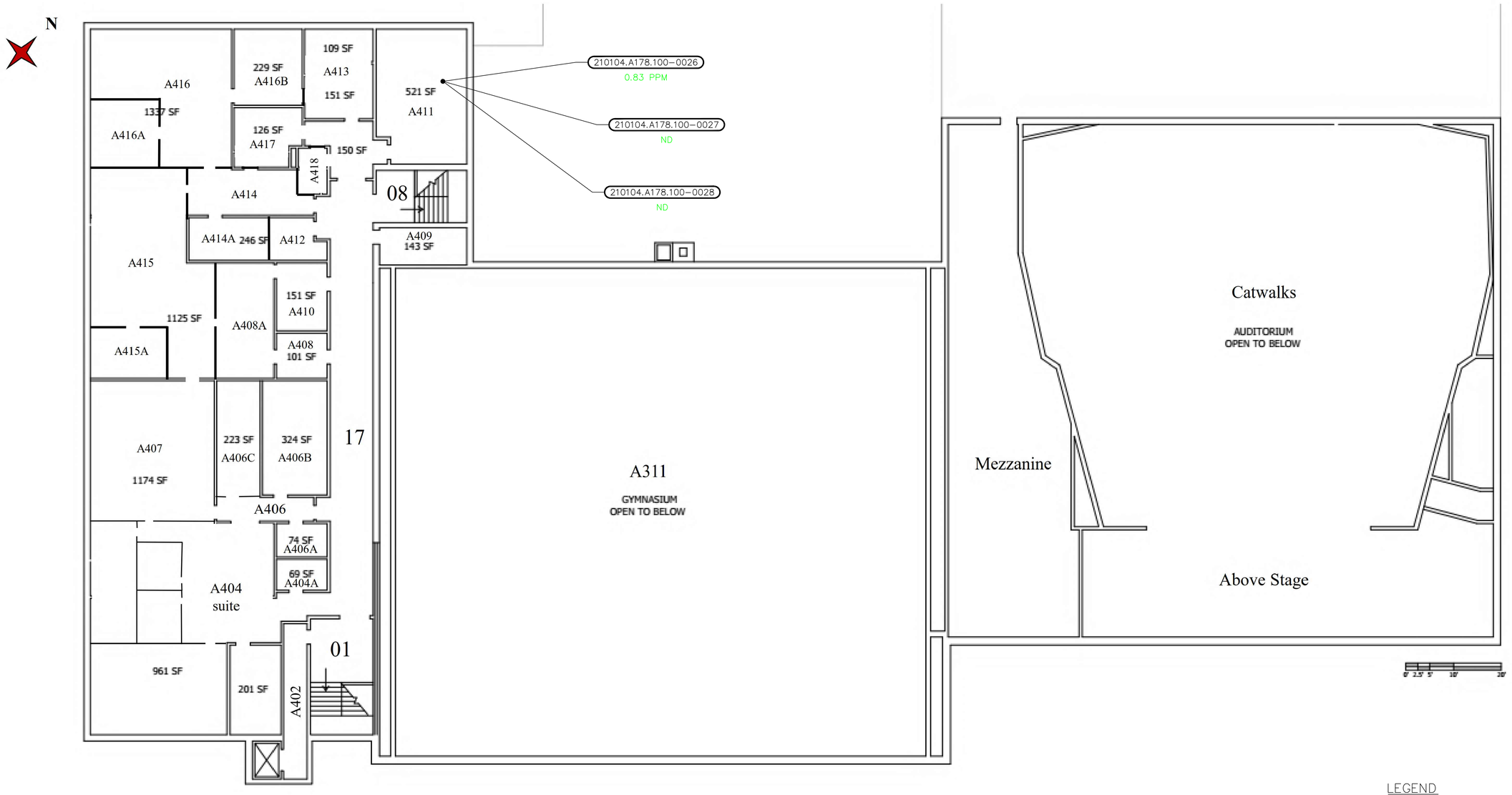
BURLINGTON SCHOOL DISTRICT
BUILDING A - 3RD FLOOR
WOOD VARNISH SEALANT PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A3-31

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM03_BLDG_A.dwg Layout: HM-A3-31 Plotted: 2021-12-29 2:44 PM Saved: 2021-12-29 2:43 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 4TH FLOOR
EPOXY FLOORING
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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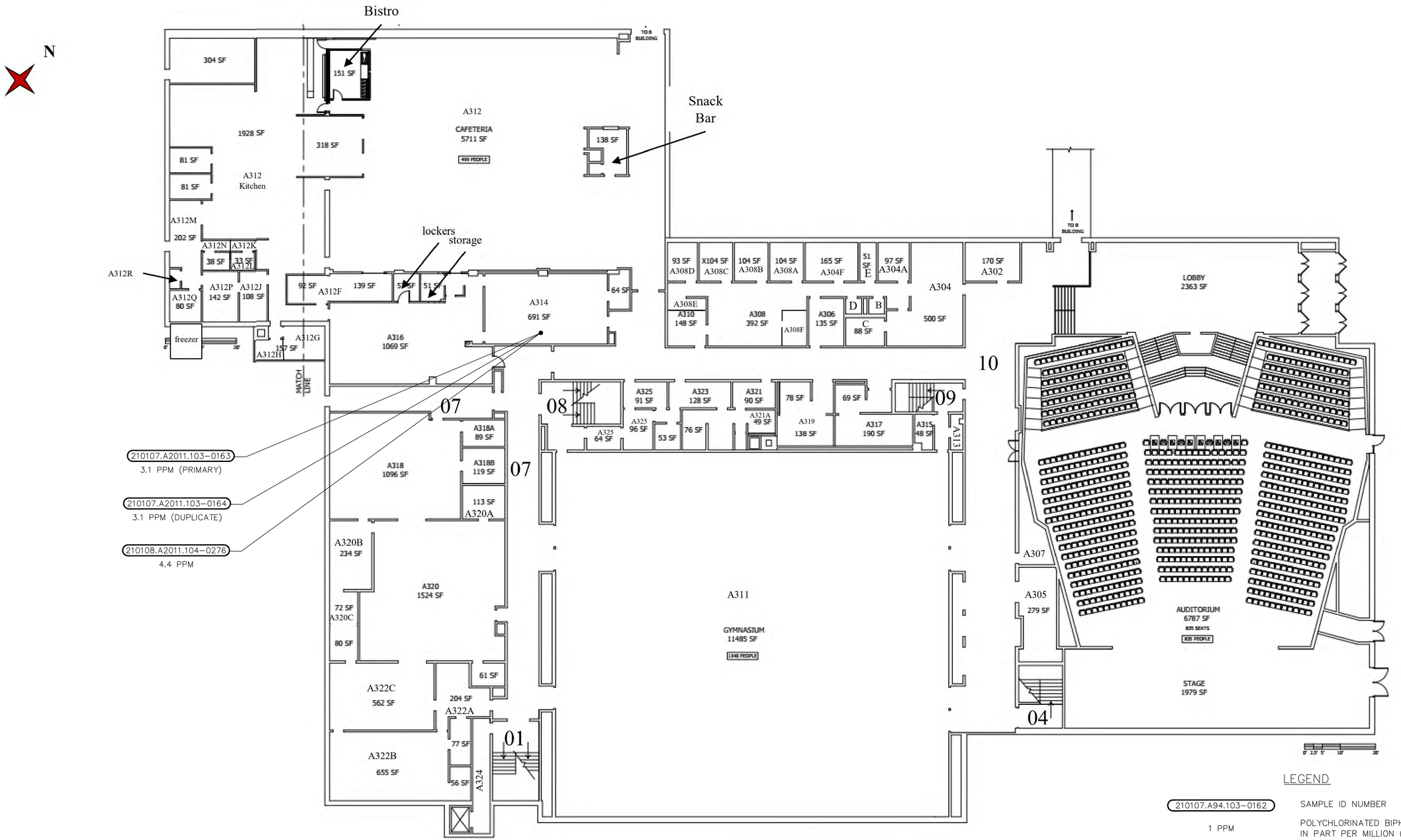
BUILDING A - 4TH FLOOR
EPOXY FLOORING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A4-32

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM03_BLDG_A.dwg Layout: HM-A4-32 Plotted: 2021-12-29 2:53 PM Saved: 2021-12-29 2:52 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 3RD FLOOR
WOOD WAINSCOTING ADHESIVE

NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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BUILDING A - 3RD FLOOR
WOOD WAINSCOTING ADHESIVE PLAN

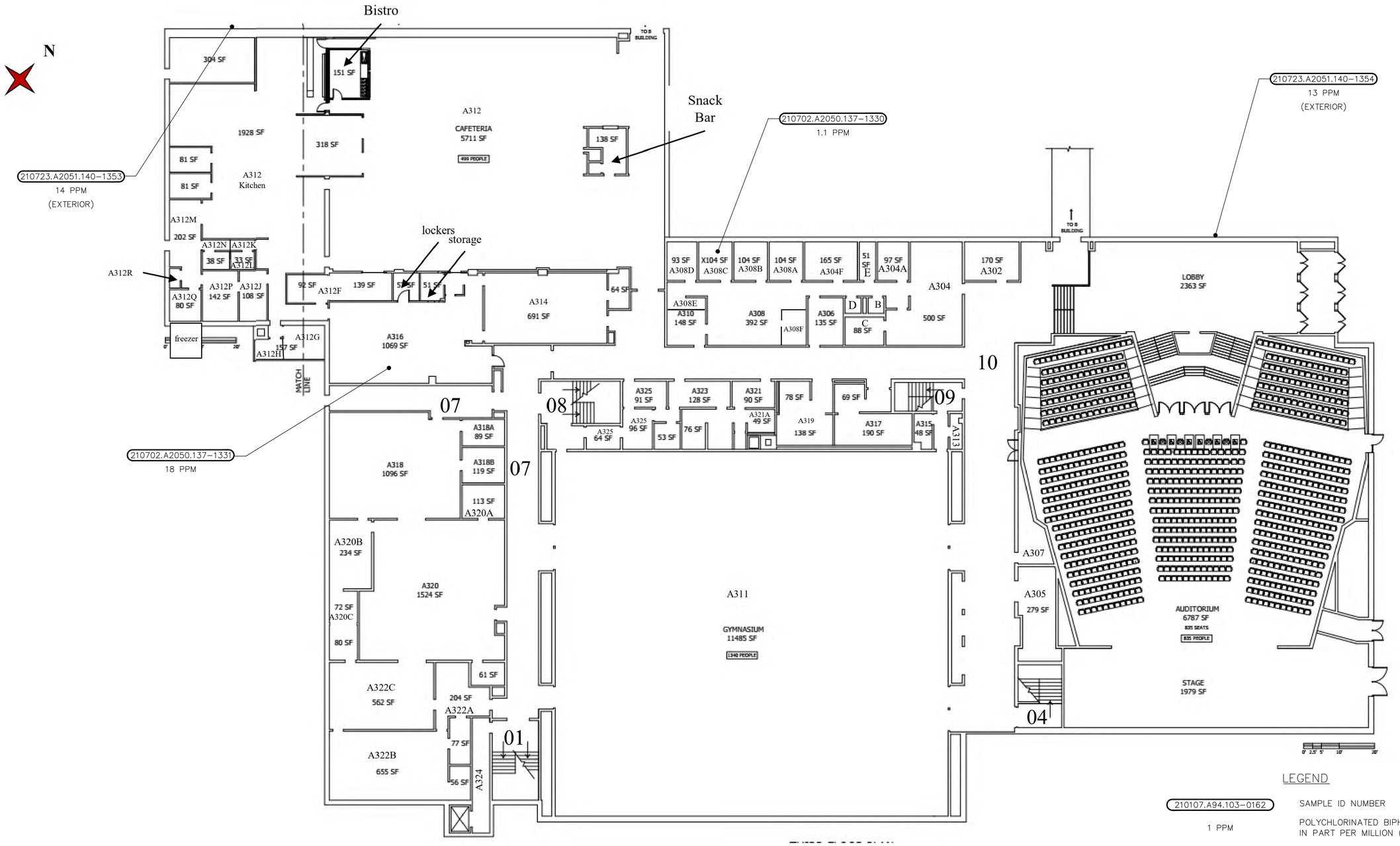
BHS PCB SITE INVESTIGATION

BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A3-33

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM03_BLDG_A.dwg Layout: HM-A3-33 Plotted: 2021-12-29 3:02 PM Saved: 2021-12-29 3:01 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING A – 3RD FLOOR
VAPOR BARRIER
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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BURLINGTON SCHOOL DISTRICT
BUILDING A - 3RD FLOOR
VAPOR BARRIER PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

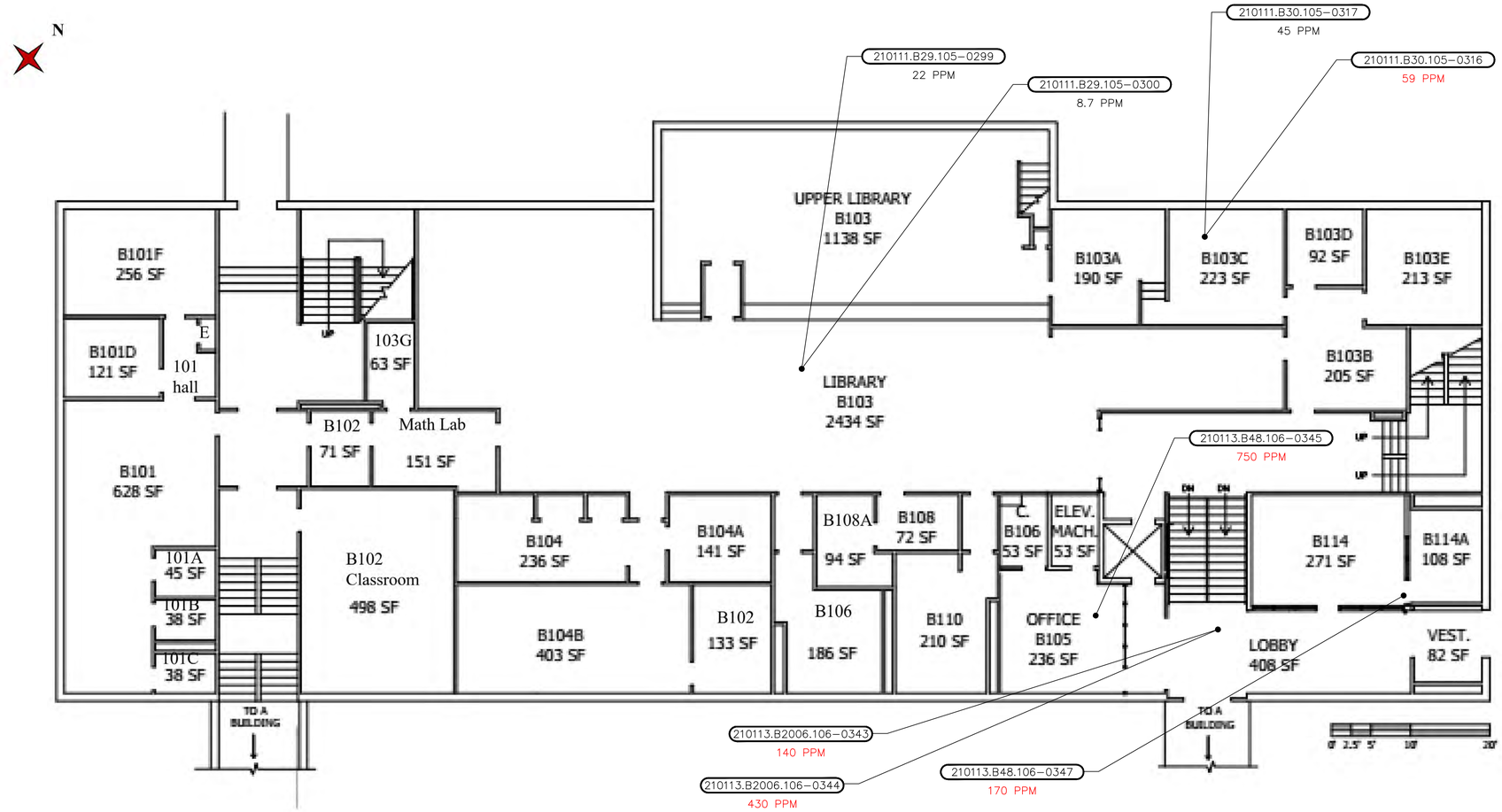
PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-A3-34

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM03_BLDG_A.dwg Layout: HM-A3-34 Plotted: 2021-12-30 9:54 AM Saved: 2021-12-30 9:51 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:

Building B

Bulk and Substrate Plans



BUILDING B – 1ST FLOOR
CARPET MASTIC
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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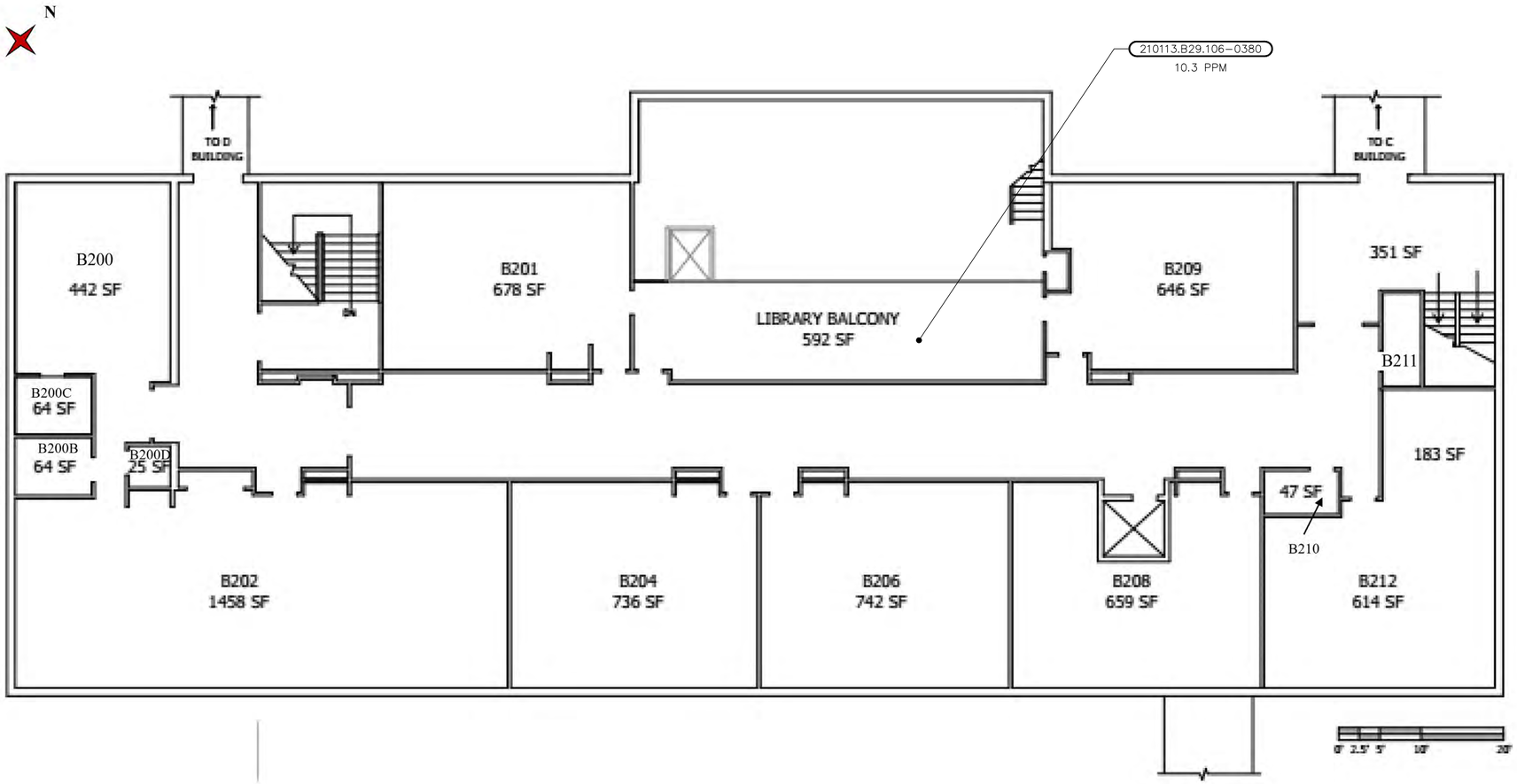
BURLINGTON SCHOOL DISTRICT
BUILDING B - 1ST FLOOR
CARPET MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-B1-1

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM04_BLDG_B.dwg Layout: HM-B1-1 Plotted: 2021-10-14 12:40 PM Saved: 2021-10-13 12:45 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING B – 2ND FLOOR
CARPET MASTIC

NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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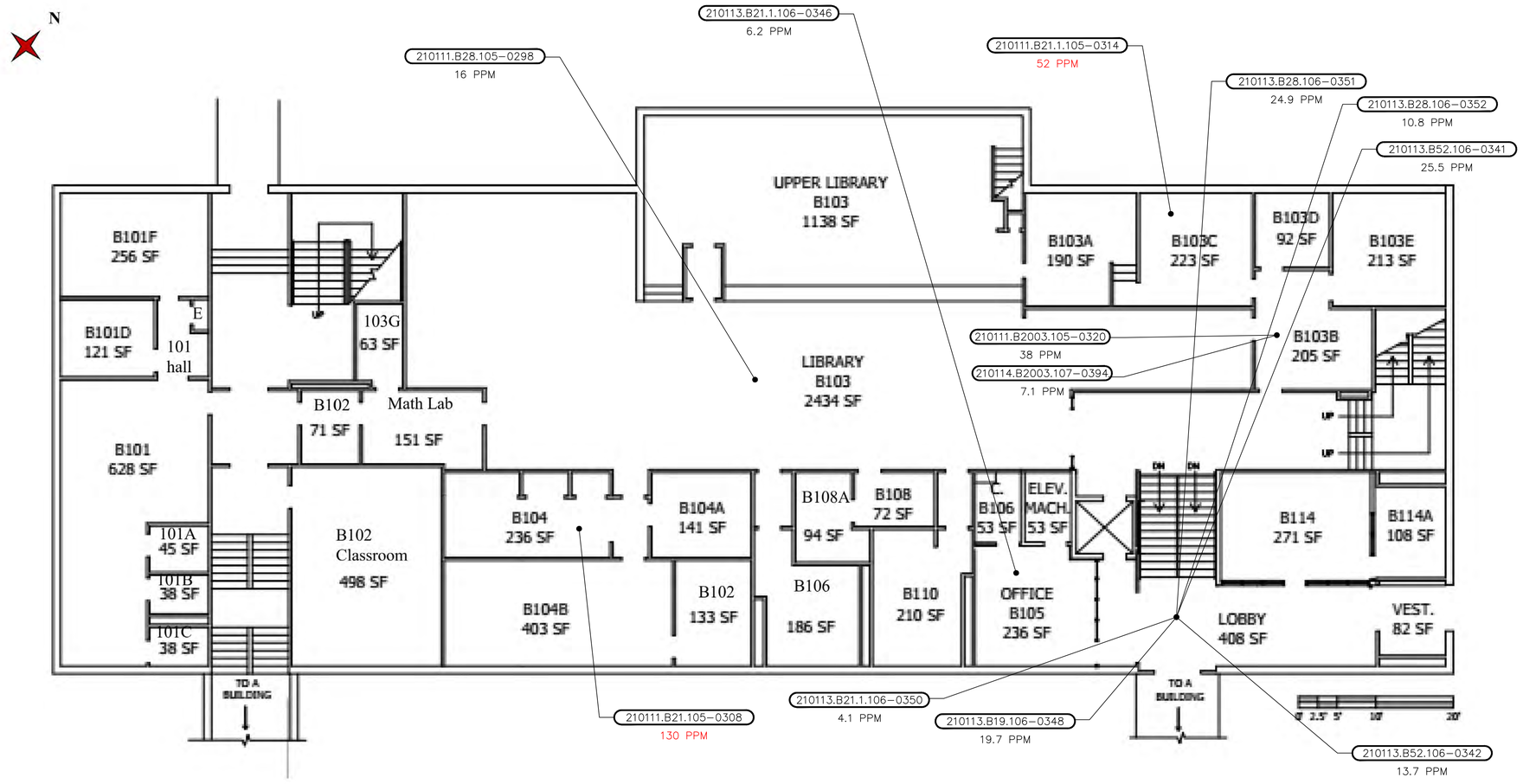
BURLINGTON SCHOOL DISTRICT
BUILDING B - 2ND FLOOR
CARPET MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-B2-1

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM04_BLDG_B.dwg Layout: HM-B2-1 Plotted: 2021-10-14 12:44 PM Saved: 2021-10-13 12:45 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING B – 1ST FLOOR
COVE BASE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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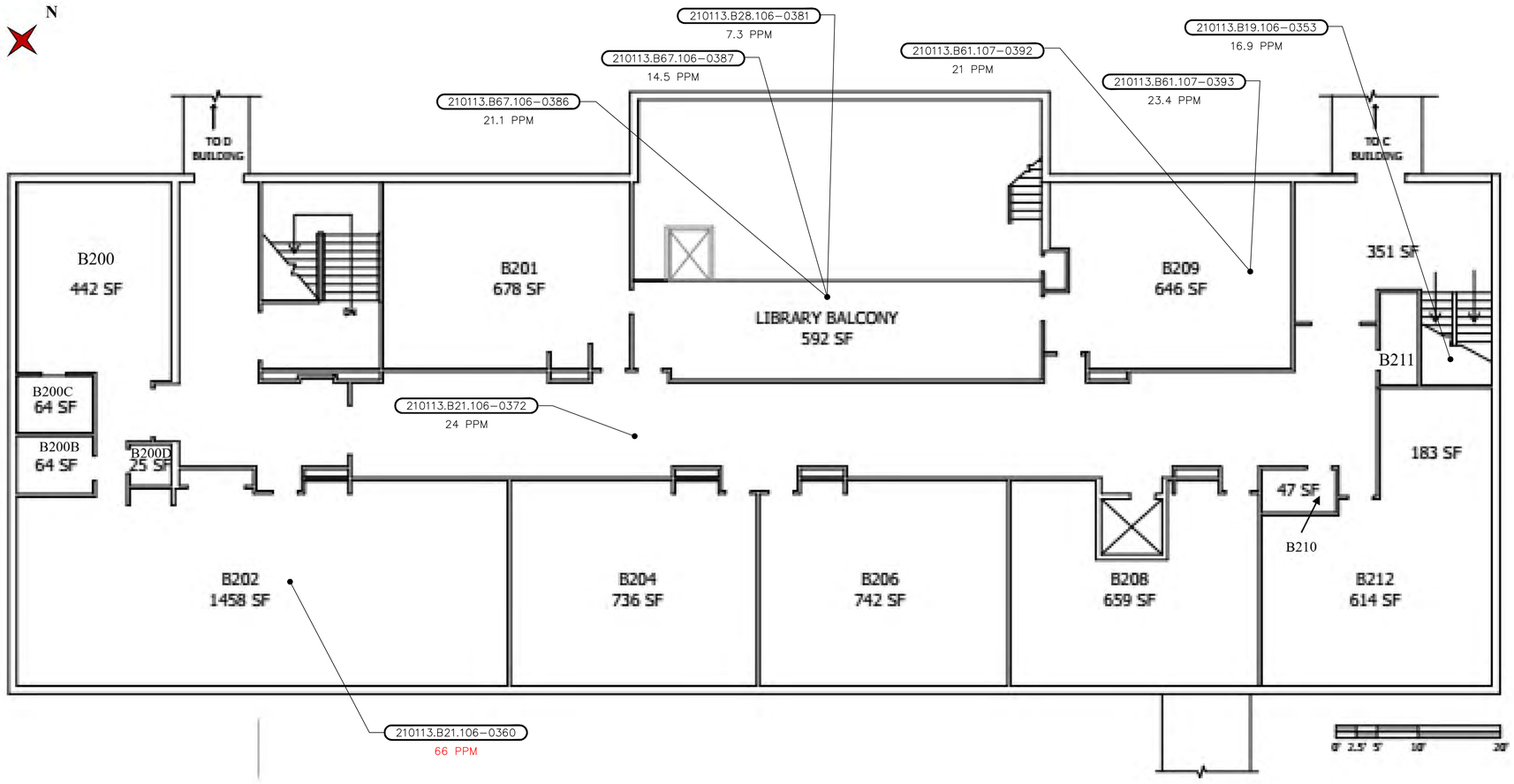
BURLINGTON SCHOOL DISTRICT
BUILDING B - 1ST FLOOR
COVE BASE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-B1-3

File: J:\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM04_BLDG_B.dwg Layout: HM-B1-3 Plotted: 2021-10-14 12:46 PM Saved: 2021-10-13 12:45 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING B – 2ND FLOOR
COVE BASE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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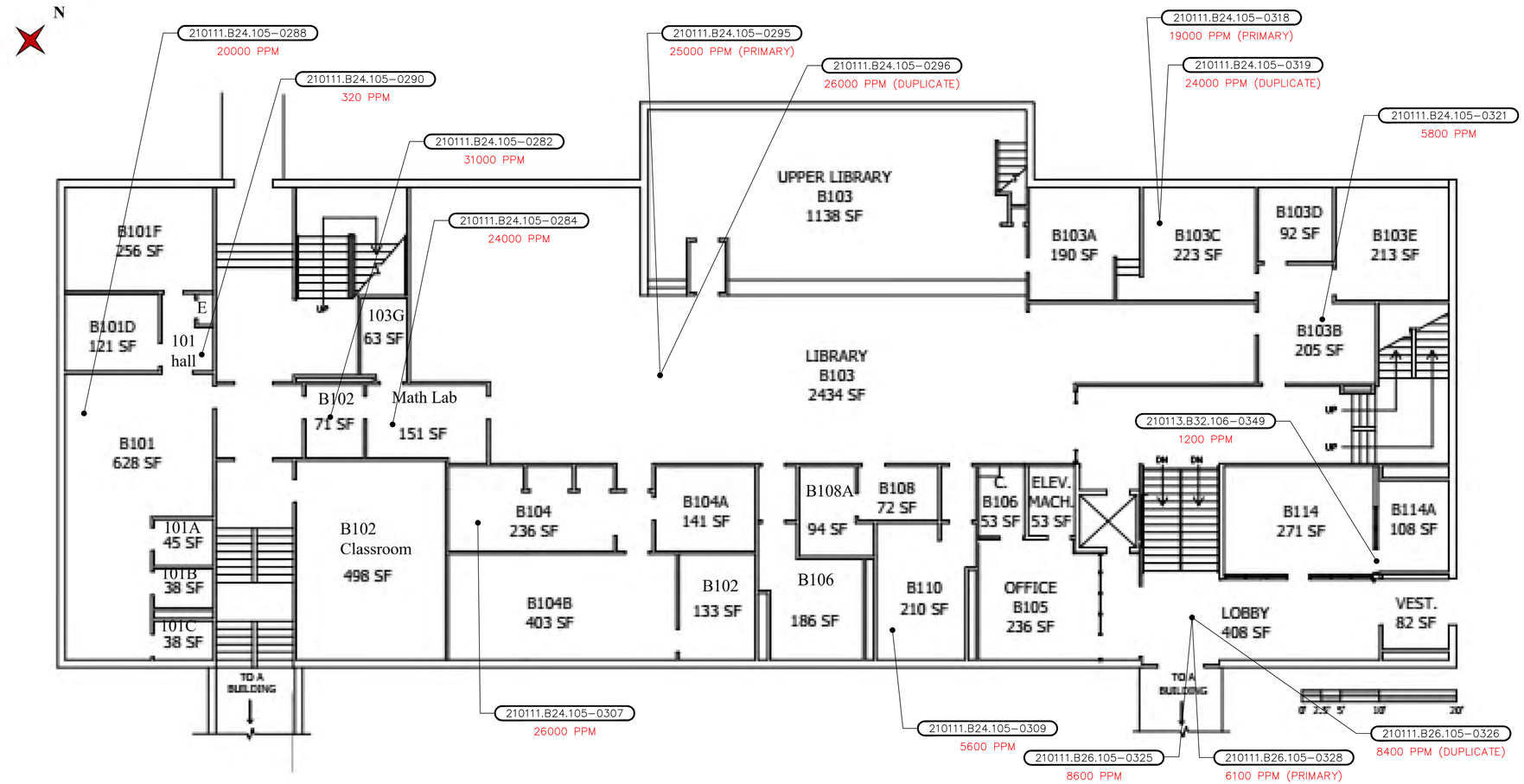
BURLINGTON SCHOOL DISTRICT
BUILDING B - 2ND FLOOR
COVE BASE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-B2-3

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM04_BLDG_B.dwg Layout: HM-B2-3 Plotted: 2021-10-14 12:47 PM Saved: 2021-10-13 12:45 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING B – 1ST FLOOR
FLOOR TILE MASTIC
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM04_BLDG_B.dwg Layout: HM-B1-5 Plotted: 2021-10-14 12:48 PM Saved: 2021-10-13 12:45 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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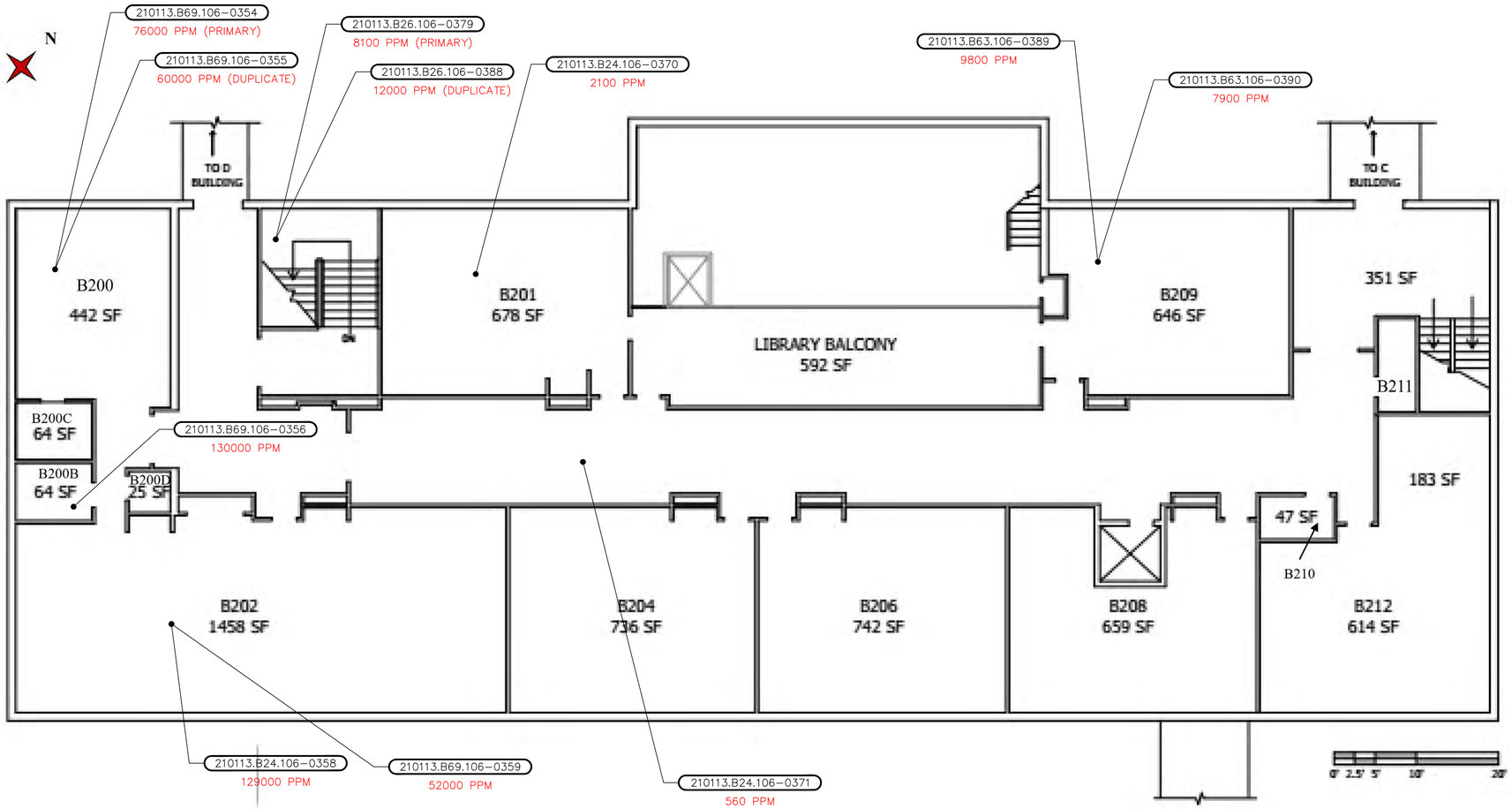
BURLINGTON SCHOOL DISTRICT
BUILDING B - 1ST FLOOR
FLOOR TILE MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-B1-5



BUILDING B – 2ND FLOOR
FLOOR TILE MASTIC

NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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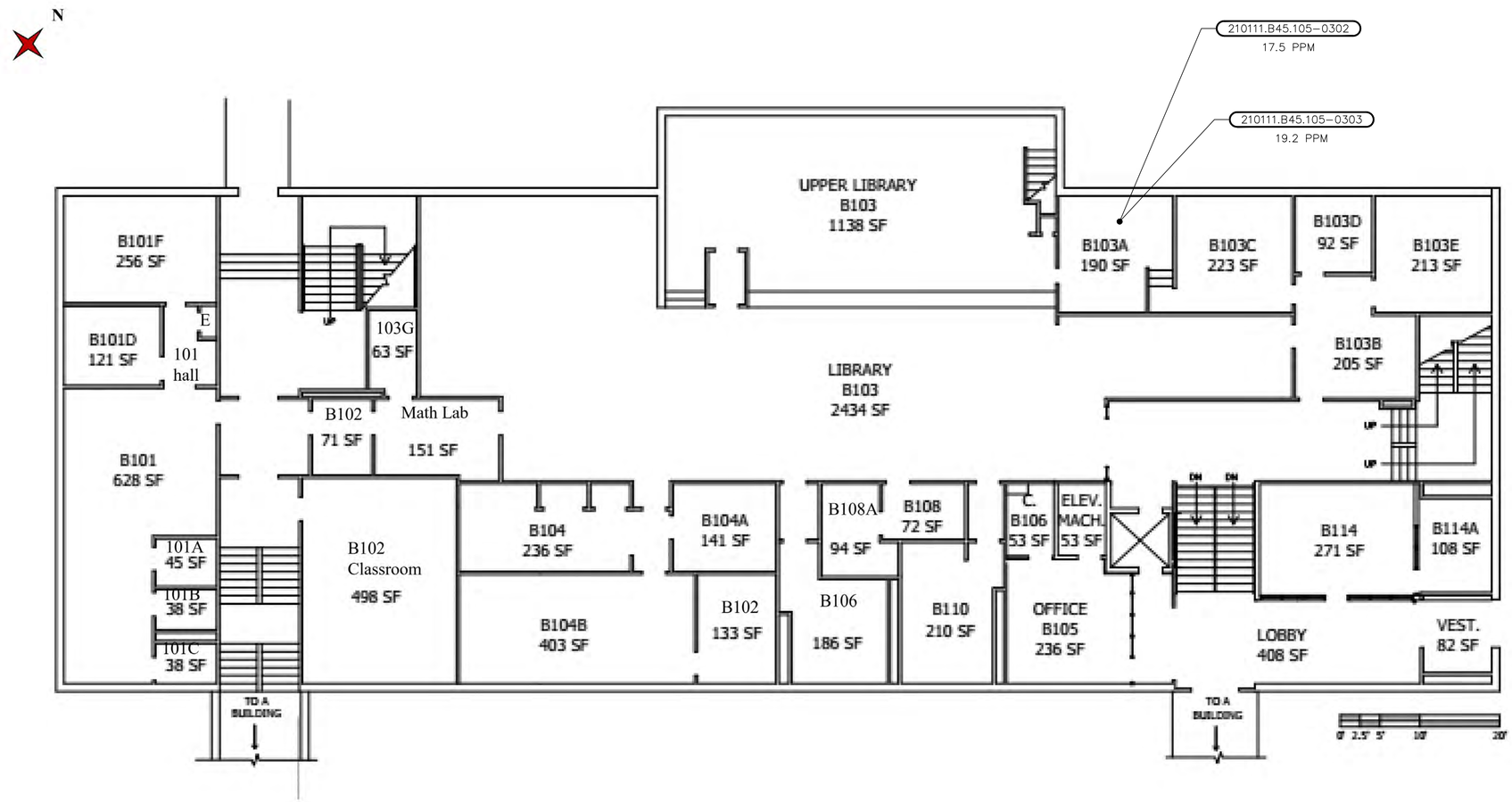
BURLINGTON SCHOOL DISTRICT
BUILDING B - 2ND FLOOR
FLOOR TILE MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-B2-5

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM04_BLDG_B.dwg Layout: HM-B2-5 Plotted: 2021-10-14 12:50 PM Saved: 2021-10-13 12:45 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING B – 1ST FLOOR
SINK UNDERCOATING
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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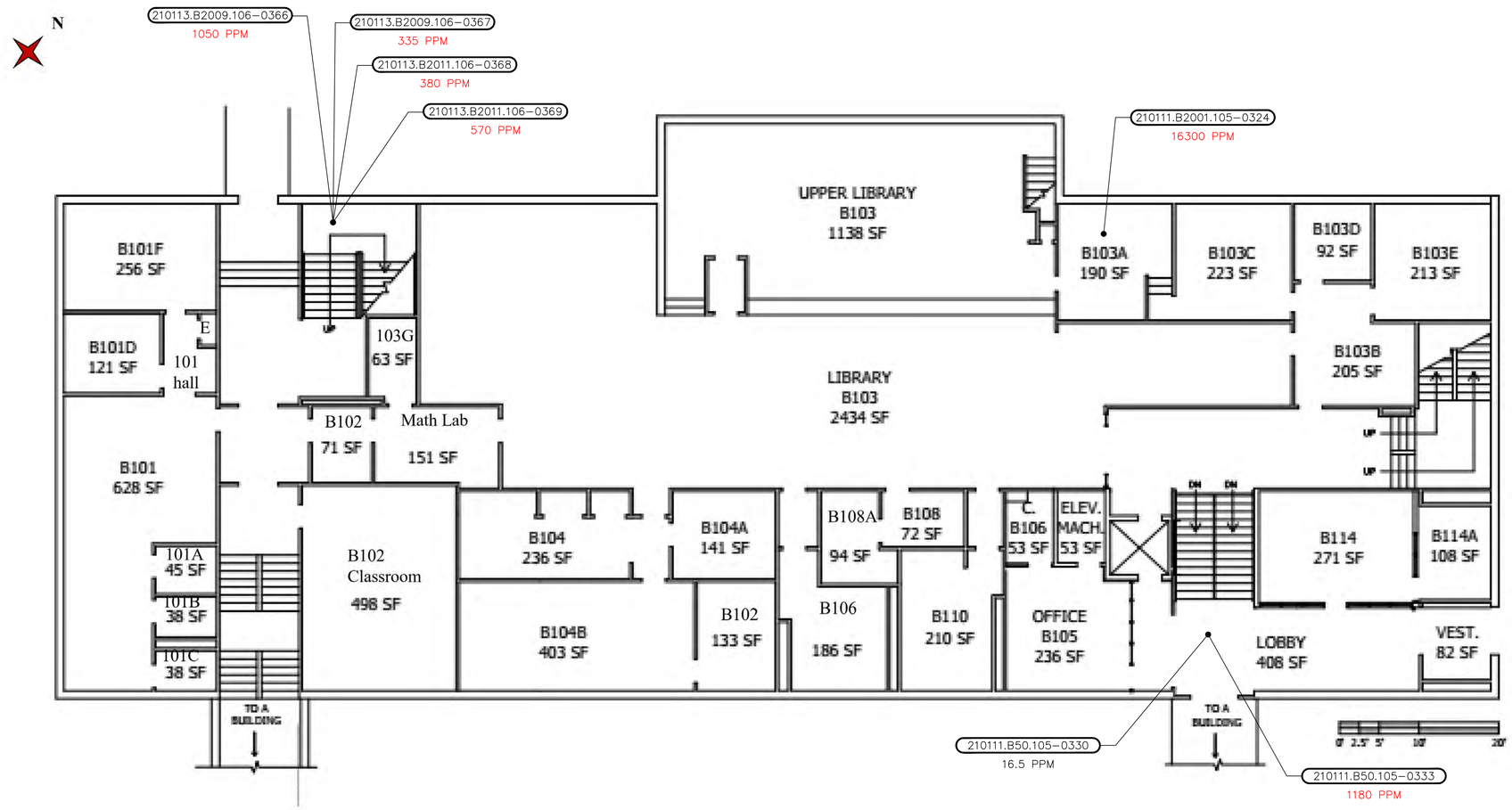
BURLINGTON SCHOOL DISTRICT
BUILDING B - 1ST FLOOR
SINK UNDERCOATING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-B1-8



BUILDING B – 1ST FLOOR
STAIR TREAD ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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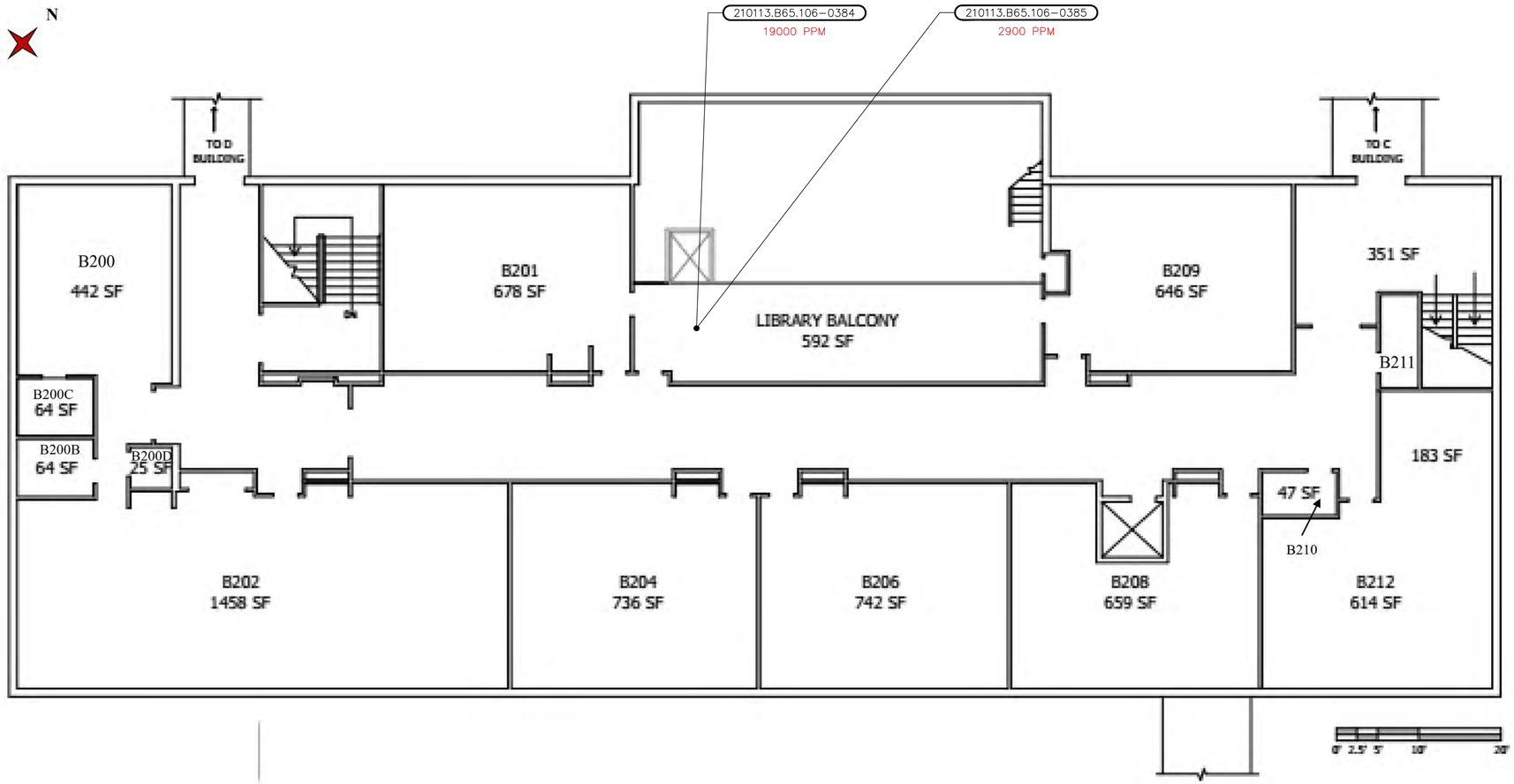
BURLINGTON SCHOOL DISTRICT
BUILDING B - 1ST FLOOR
STAIR TREAD ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-B1-9



BUILDING B – 2ND FLOOR
STAIR TREAD ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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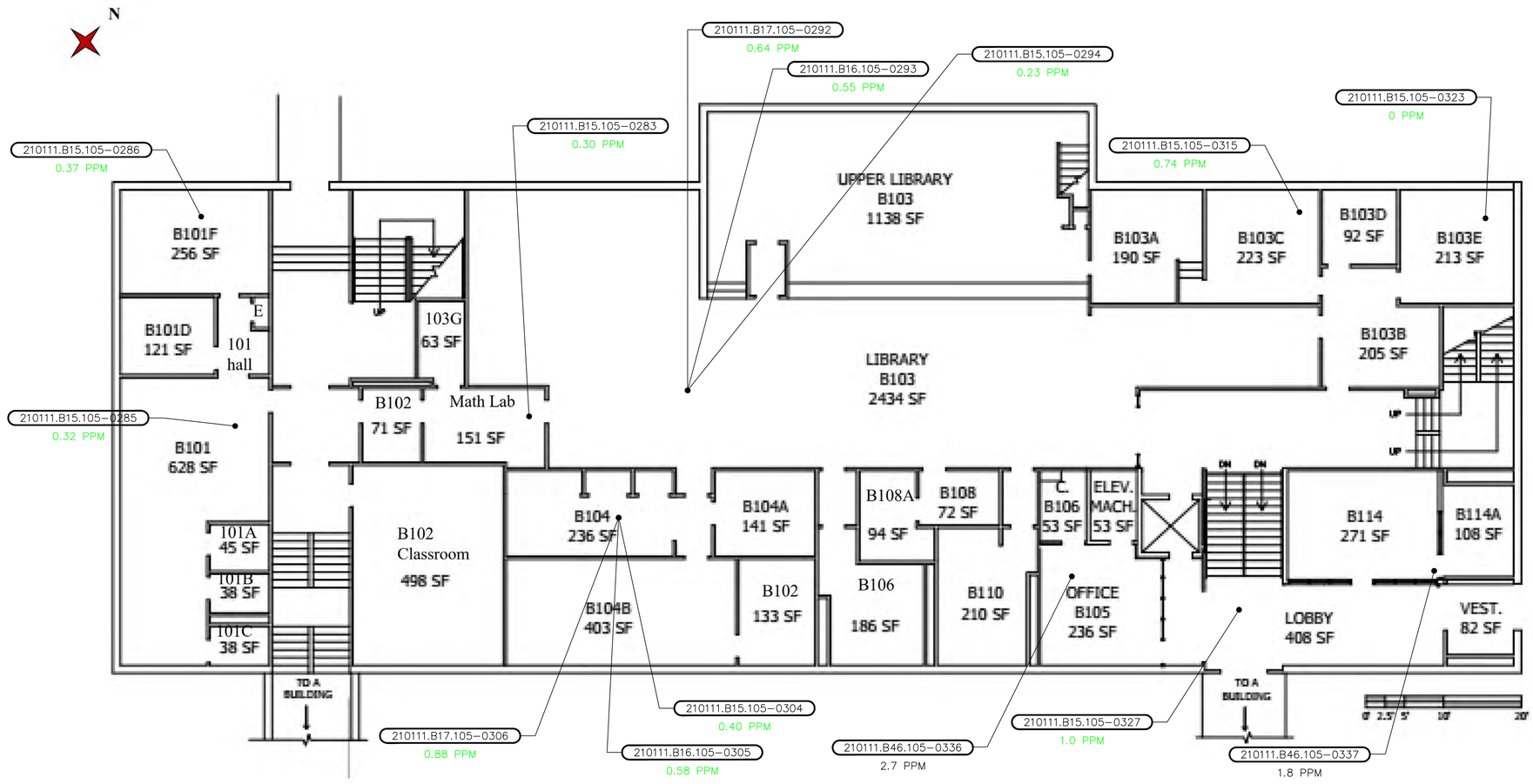
BURLINGTON SCHOOL DISTRICT
BUILDING B - 2ND FLOOR
STAIR TREAD ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-B2-9

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM04_BLDG_B.dwg Layout: HM-B2-9 Plotted: 2021-10-14 12:53 PM Saved: 2021-10-13 12:45 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING B – 1ST FLOOR
SUSPENDED CEILING TILE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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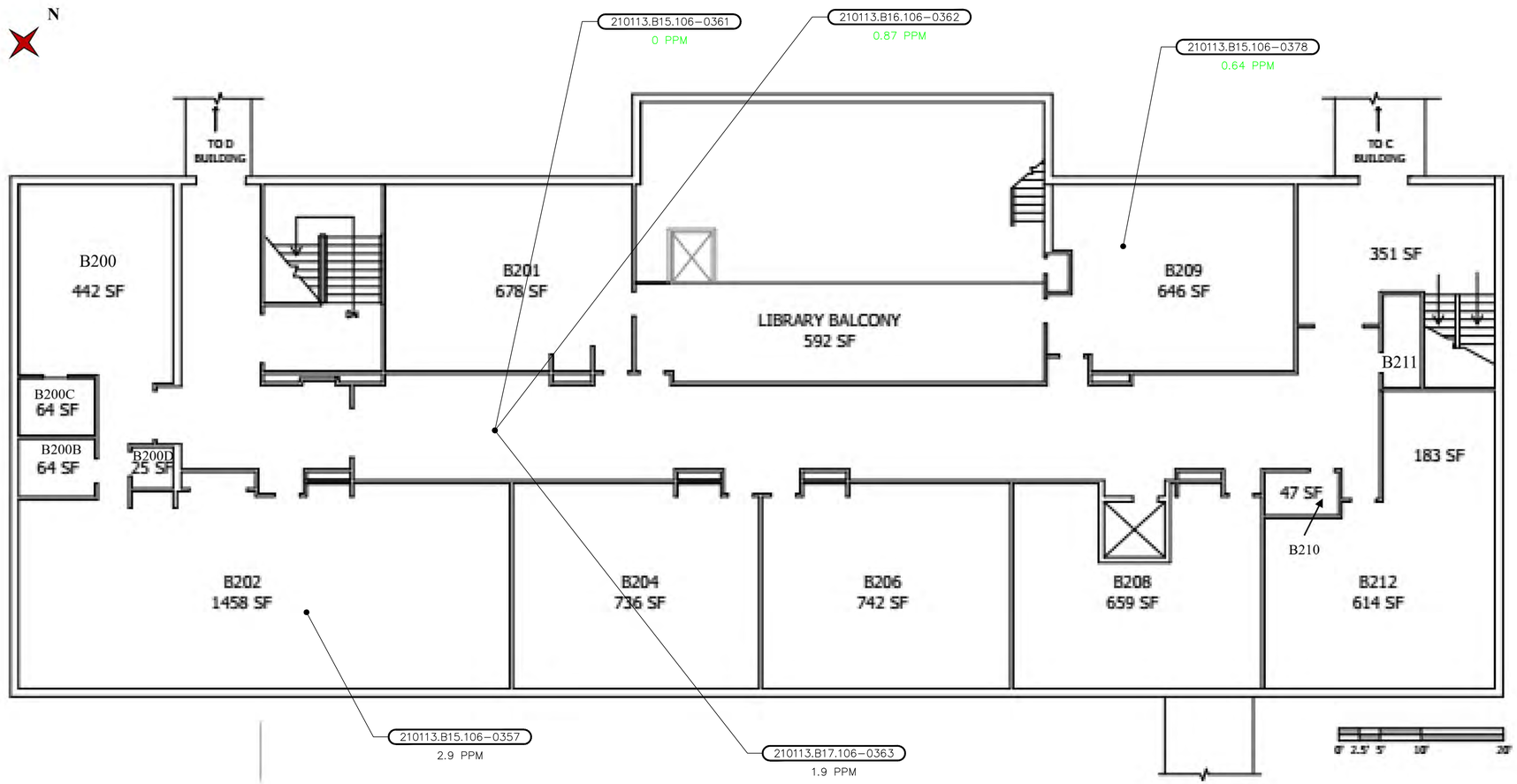
BURLINGTON SCHOOL DISTRICT
BUILDING B - 1ST FLOOR
SUSPENDED CEILING TILE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-B1-12

File: J:\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM04_BLDG_B.dwg Layout: HM-B1-12 Plotted: 2021-10-14 12:54 PM Saved: 2021-10-13 12:45 PM User: SMcWhirter
MS VIEW: LAYER STATE: PC3: NONE STB/CTB: FO.STB



BUILDING B – 2ND FLOOR
SUSPENDED CEILING TILE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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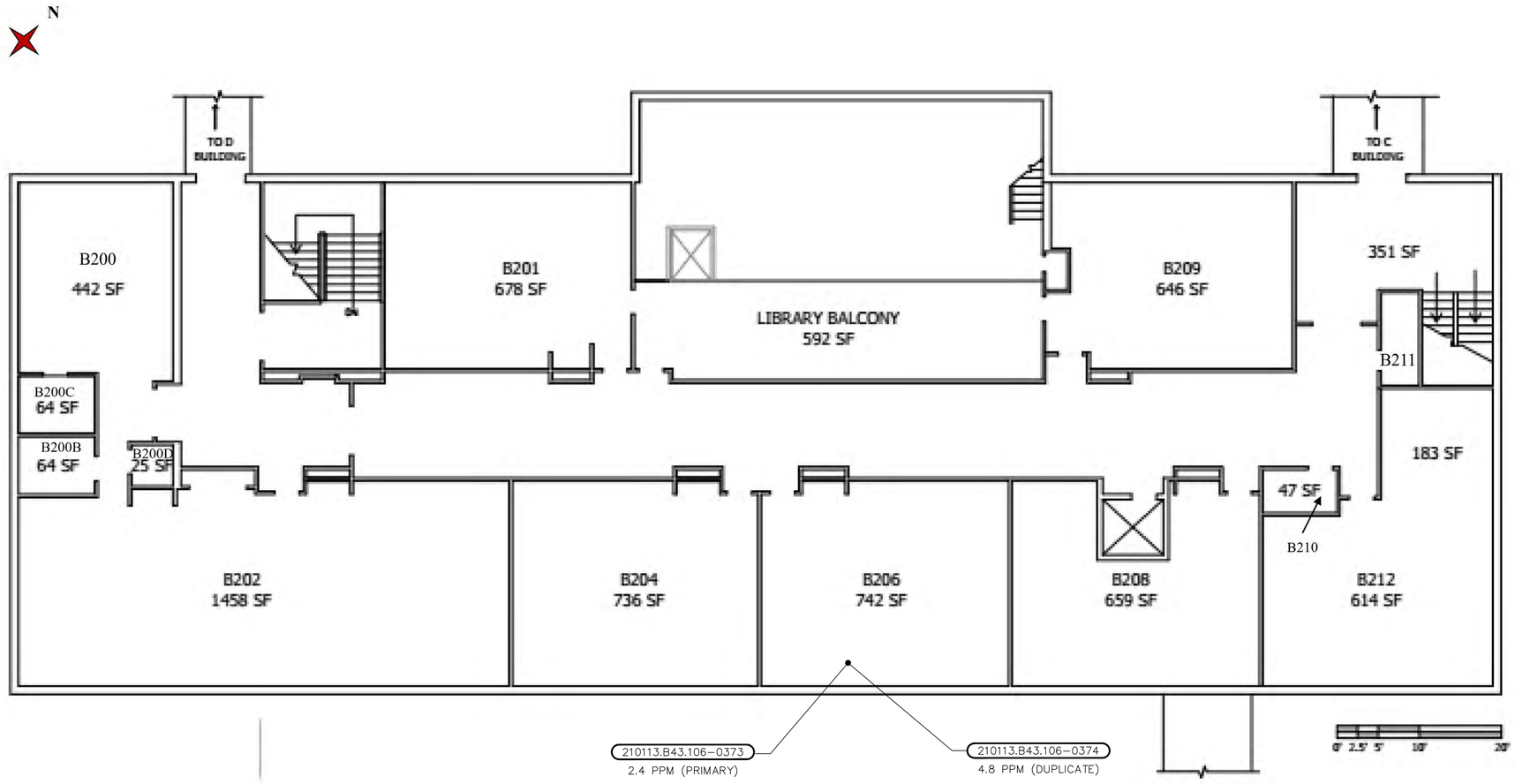
BURLINGTON SCHOOL DISTRICT
BUILDING B - 2ND FLOOR
SUSPENDED CEILING TILE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021
HM-B2-12

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM04_BLDG_B.dwg Layout: HM-B2-12 Plotted: 2021-10-14 12:58 PM Saved: 2021-10-13 12:45 PM User: SMcWhirter
MS VIEW: LAYER STATE: PC3: NONE STB/CTB: FO.STB



BUILDING B – 2ND FLOOR
BULLETIN CHALKBOARD ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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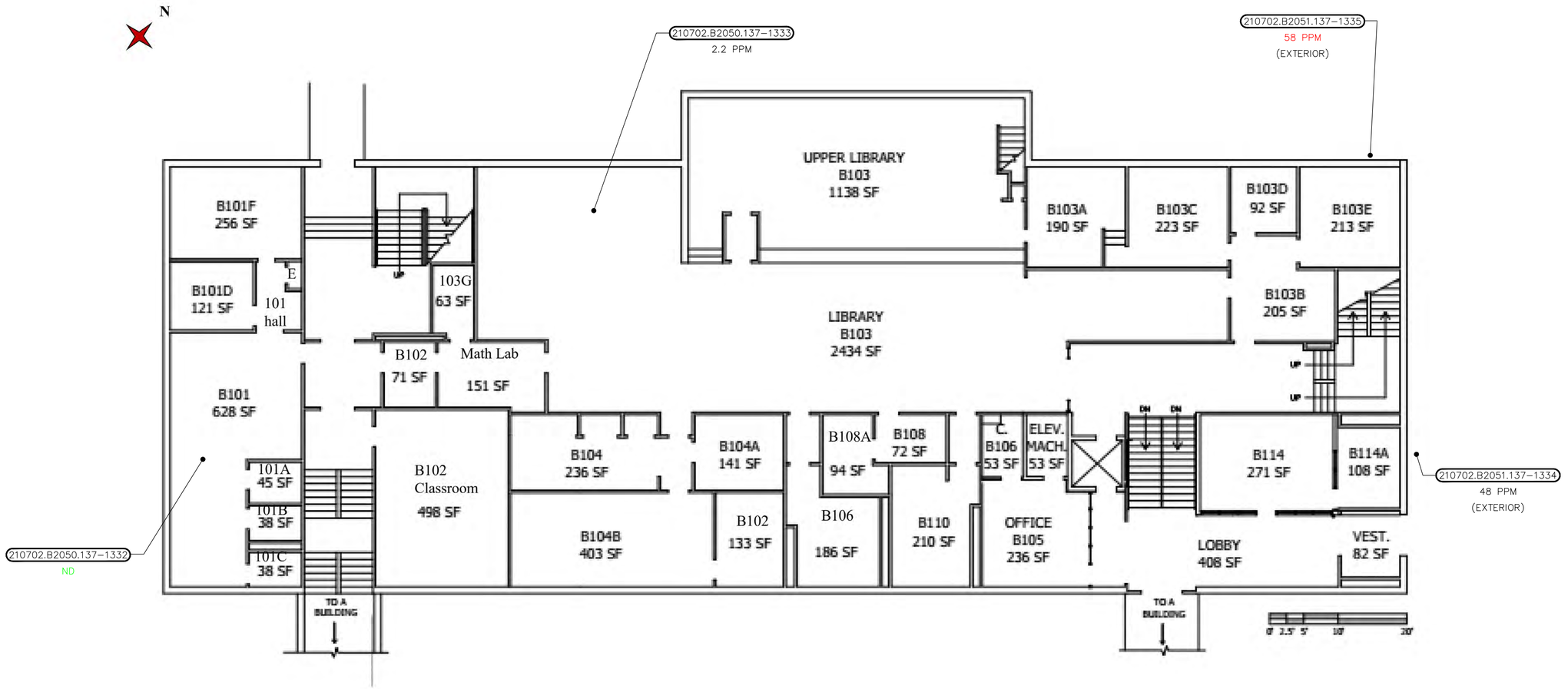
BURLINGTON SCHOOL DISTRICT
BUILDING B - 2ND FLOOR
BULLETIN CHALKBOARD ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-B2-22

File: J:\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM04_BLDG_B.dwg Layout: HM-B2-22 Plotted: 2021-12-30 10:45 AM Saved: 2021-12-30 10:44 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING B – 1ST FLOOR
VAPOR BARRIER

NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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BURLINGTON SCHOOL DISTRICT

BUILDING B - 1ST FLOOR
VAPOR BARRIER PLAN

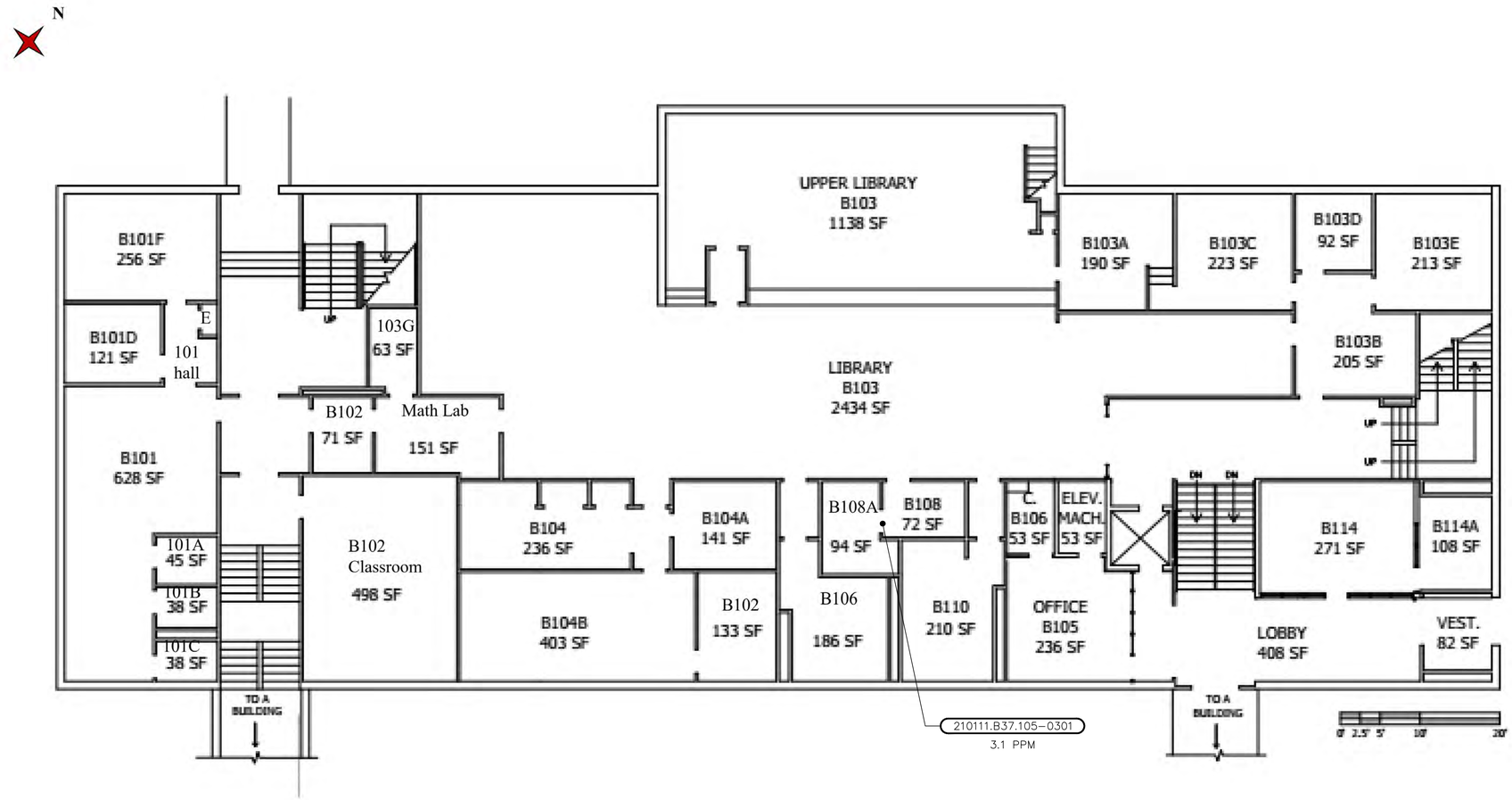
BHS PCB SITE INVESTIGATION

BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-B1-34

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM04_BLDG_B.dwg Layout: HM-B1-34 Plotted: 2021-12-30 12:14 PM Saved: 2021-12-30 12:10 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING B – 1ST FLOOR
GROUT ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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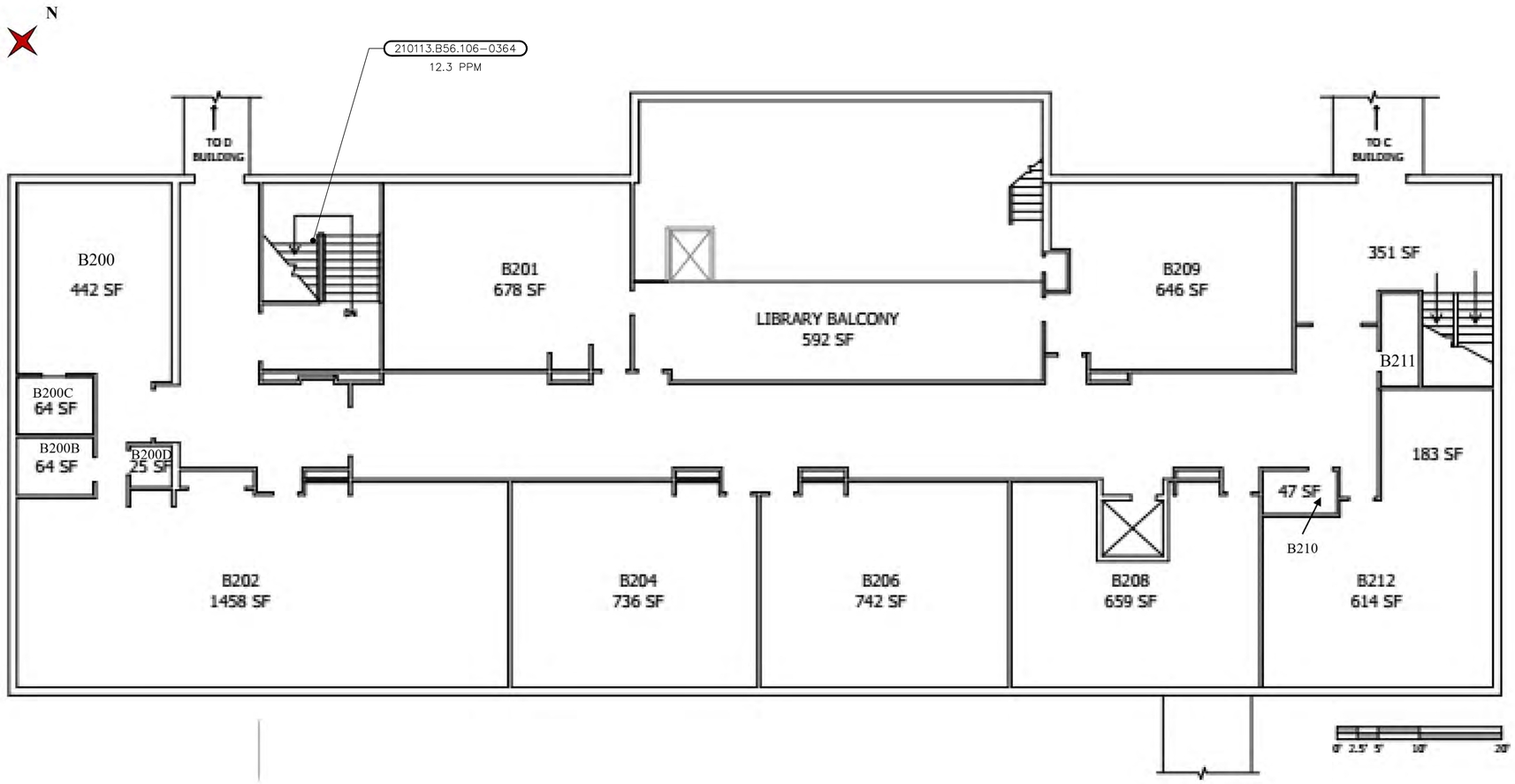
BURLINGTON SCHOOL DISTRICT
BUILDING B - 1ST FLOOR
GROUT ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-B1-35

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM04_BLDG_B.dwg Layout: HM-B1-35 Plotted: 2021-12-30 10:30 AM Saved: 2021-12-30 10:27 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING B – 2ND FLOOR
GROUT ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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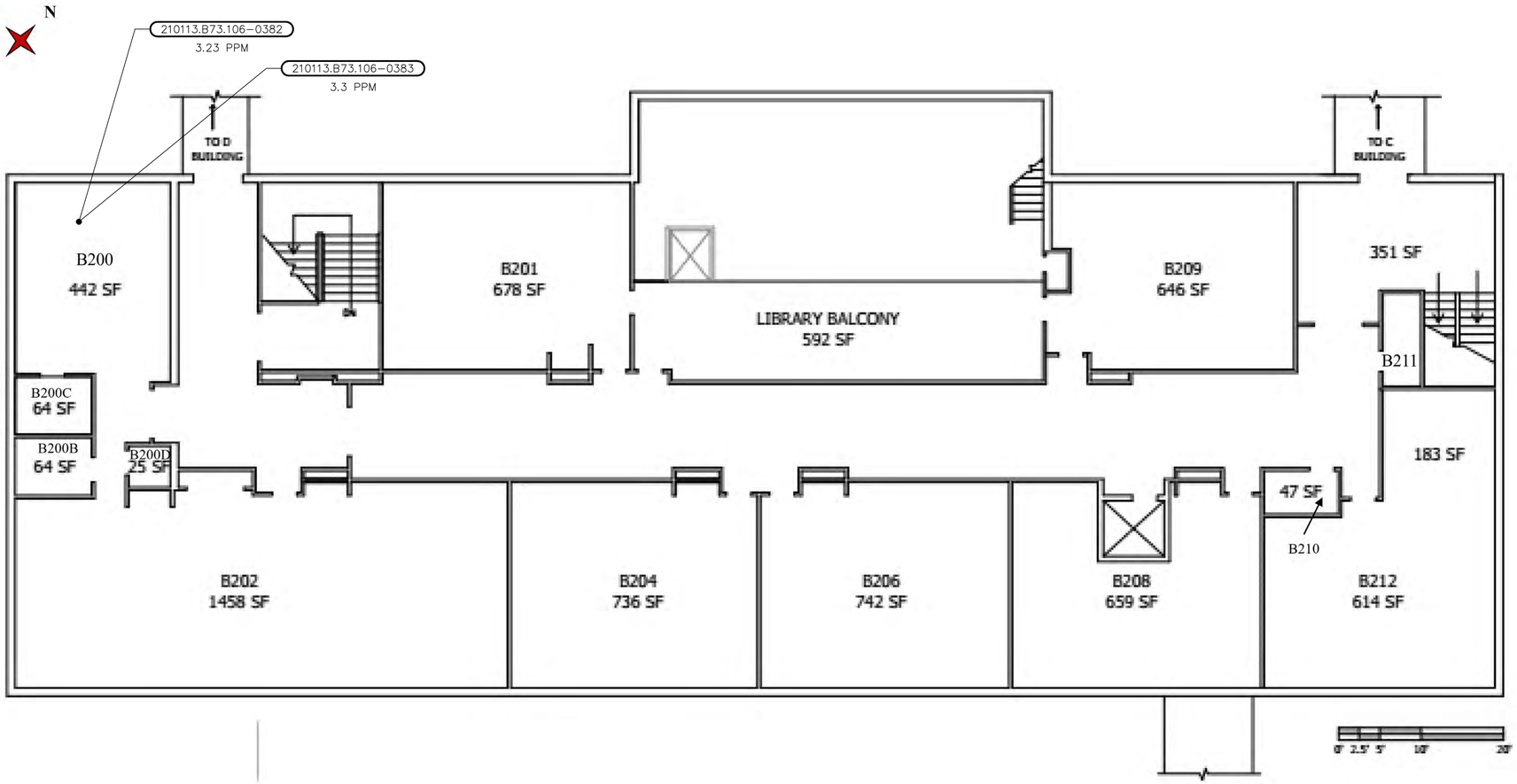
BURLINGTON SCHOOL DISTRICT
BUILDING B - 2ND FLOOR
GROUT ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021
HM-B2-35

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM04_BLDG_B.dwg Layout: HM-B2-35 Plotted: 2021-12-30 10:36 AM Saved: 2021-12-30 10:35 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING B – 2ND FLOOR
STUDENT CLAY TILE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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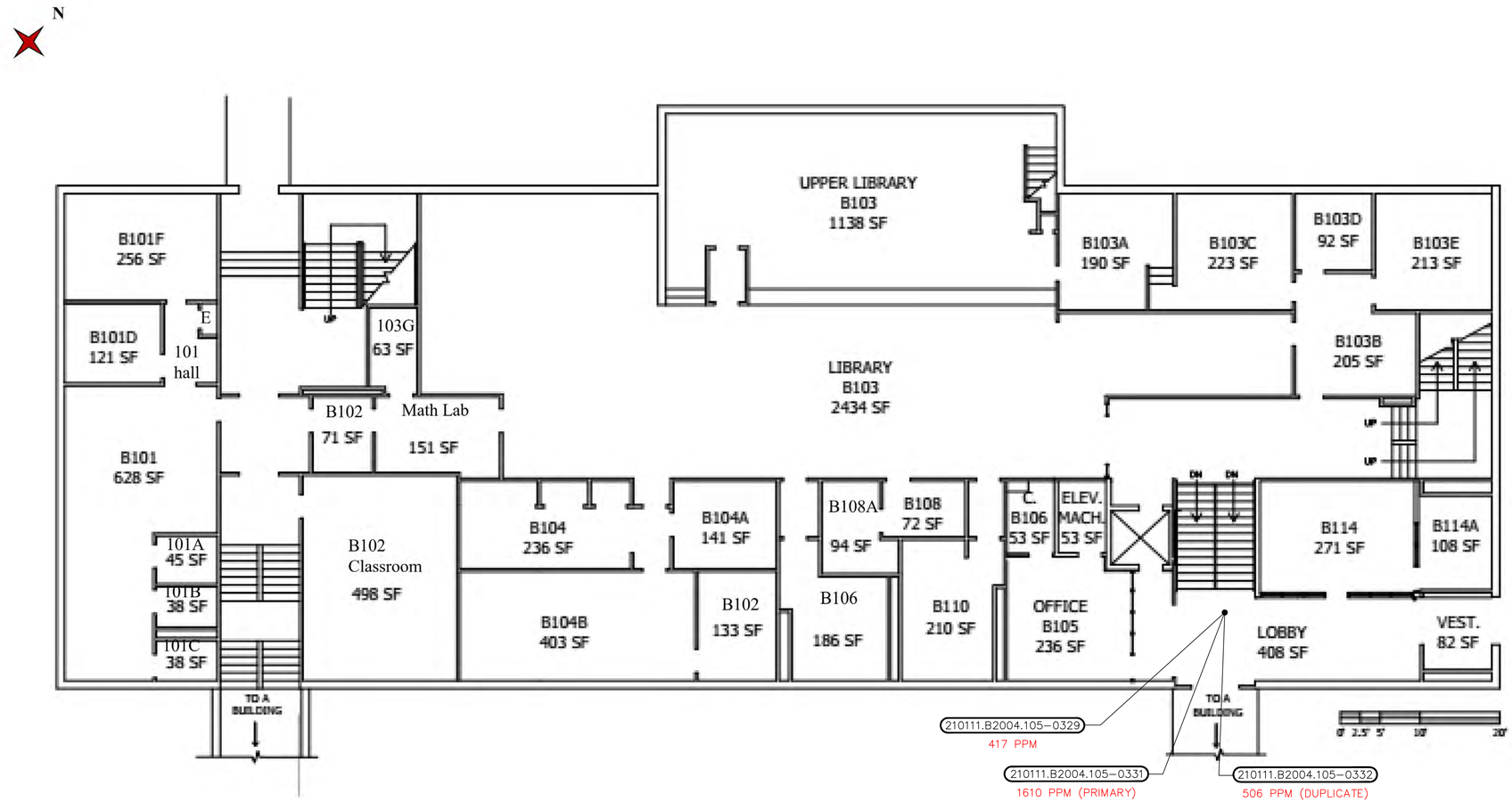
BURLINGTON SCHOOL DISTRICT
BUILDING B - 2ND FLOOR
STUDENT CLAY TILE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-B2-36

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM04_BLDG_B.dwg Layout: HM-B2-36 Plotted: 2021-12-30 11:10 AM Saved: 2021-12-30 11:09 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING B – 1ST FLOOR
STAIR LANDING MATERIAL ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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BURLINGTON SCHOOL DISTRICT
BUILDING B - 1ST FLOOR
STAIR LANDING MATERIAL ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

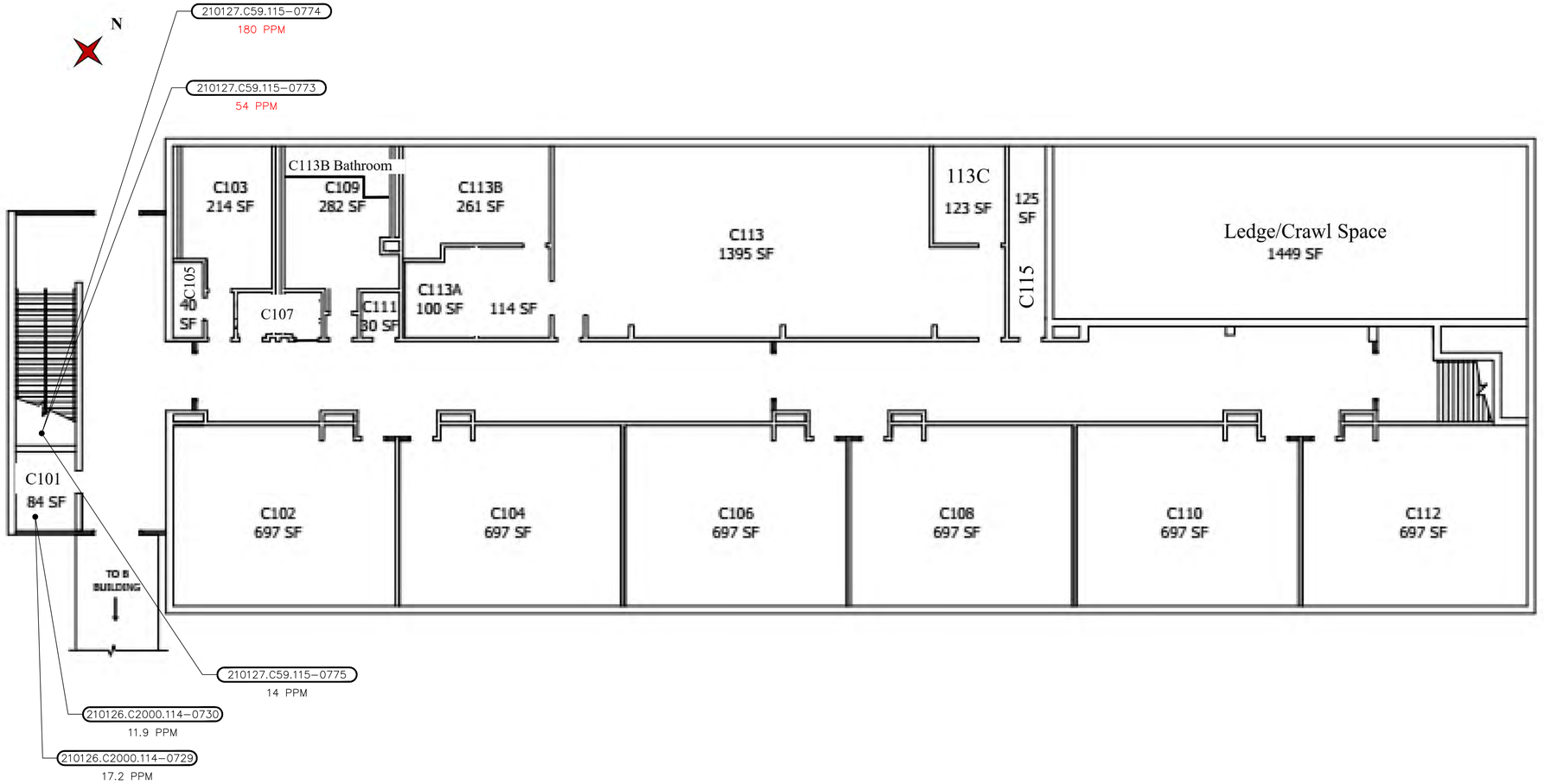
PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-B1-37

FUSS & O'NEILL

Building C

Bulk and Substrate Plans



BUILDING C – 1ST FLOOR
CARPET MASTIC
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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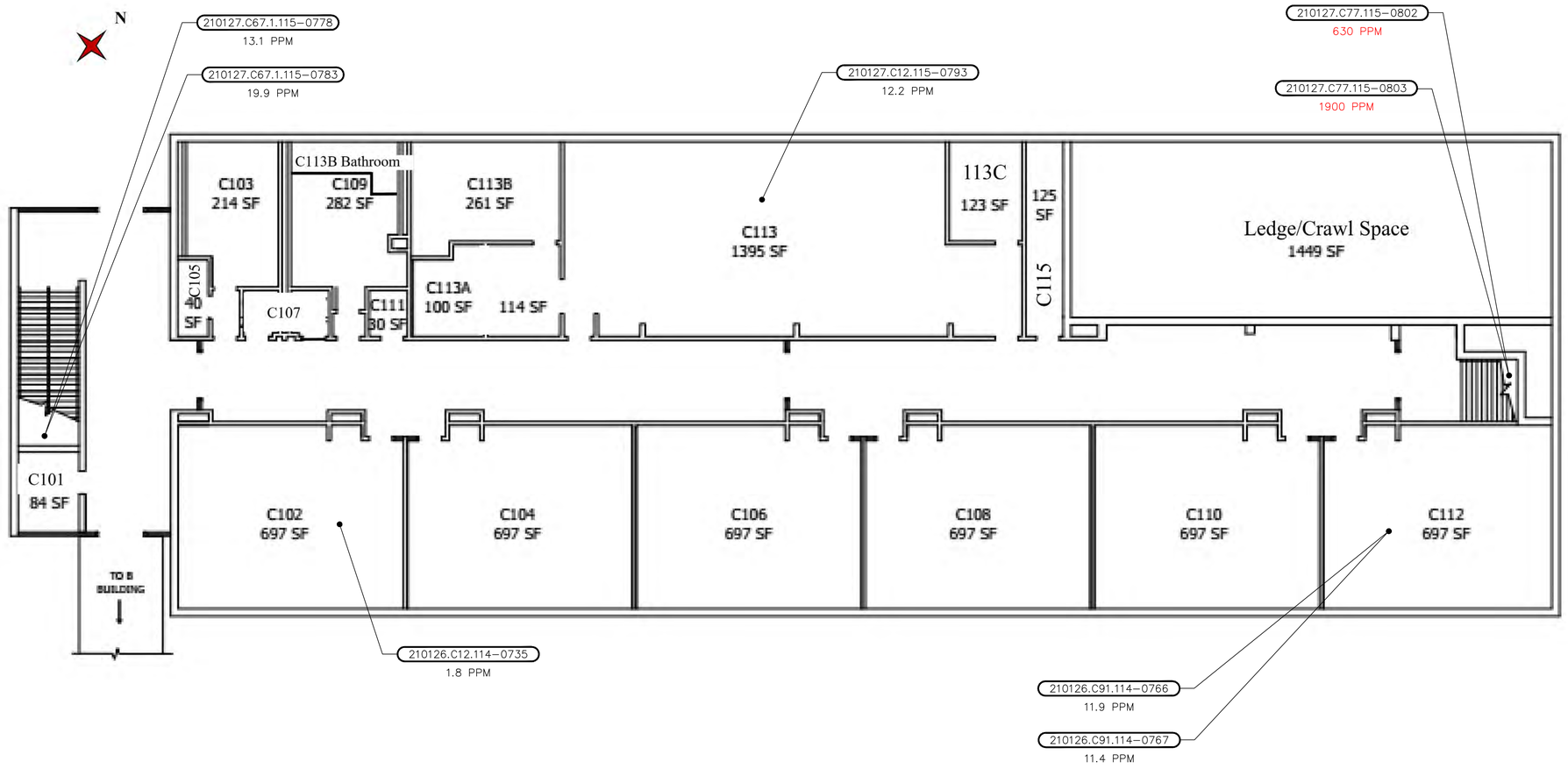
BURLINGTON SCHOOL DISTRICT
BUILDING C - 1ST FLOOR
CARPET MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-C1-1

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM05_BLDG_C.dwg Layout: HM-C1-1 Plotted: 2021-10-14 1:05 PM Saved: 2021-10-13 1:27 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING C – 1ST FLOOR
COVE BASE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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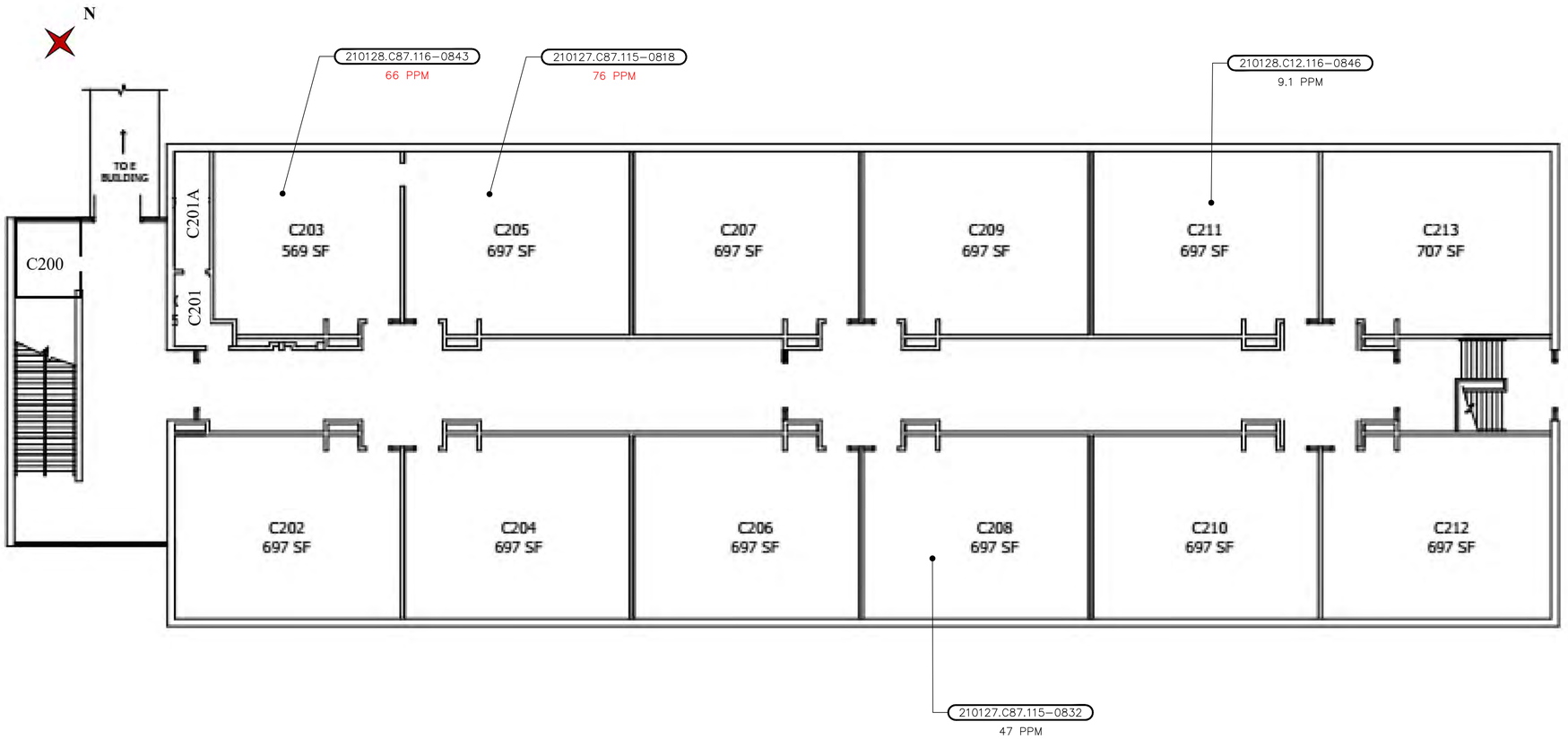
BURLINGTON SCHOOL DISTRICT
BUILDING C - 1ST FLOOR
COVE BASE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-C1-3

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM05_BLDG_C.dwg Layout: HM-C1-3 Plotted: 2021-10-14 1:07 PM Saved: 2021-10-13 1:27 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING C – 2ND FLOOR
COVE BASE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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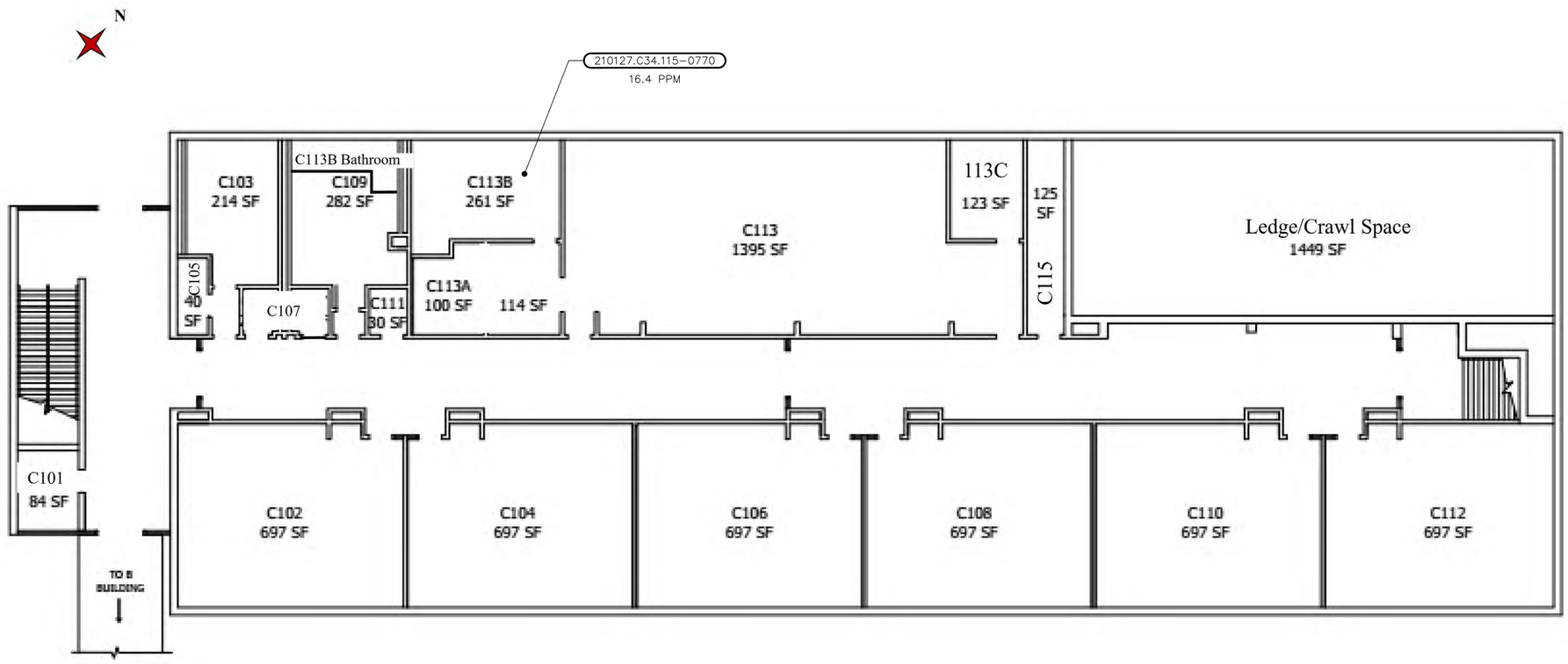
BURLINGTON SCHOOL DISTRICT
BUILDING C - 2ND FLOOR
COVE BASE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-C2-3

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM05_BLDG_C.dwg Layout: HM-C2-3 Plotted: 2021-10-14 1:08 PM Saved: 2021-10-13 1:27 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING C – 1ST FLOOR
SINK UNDERCOATING
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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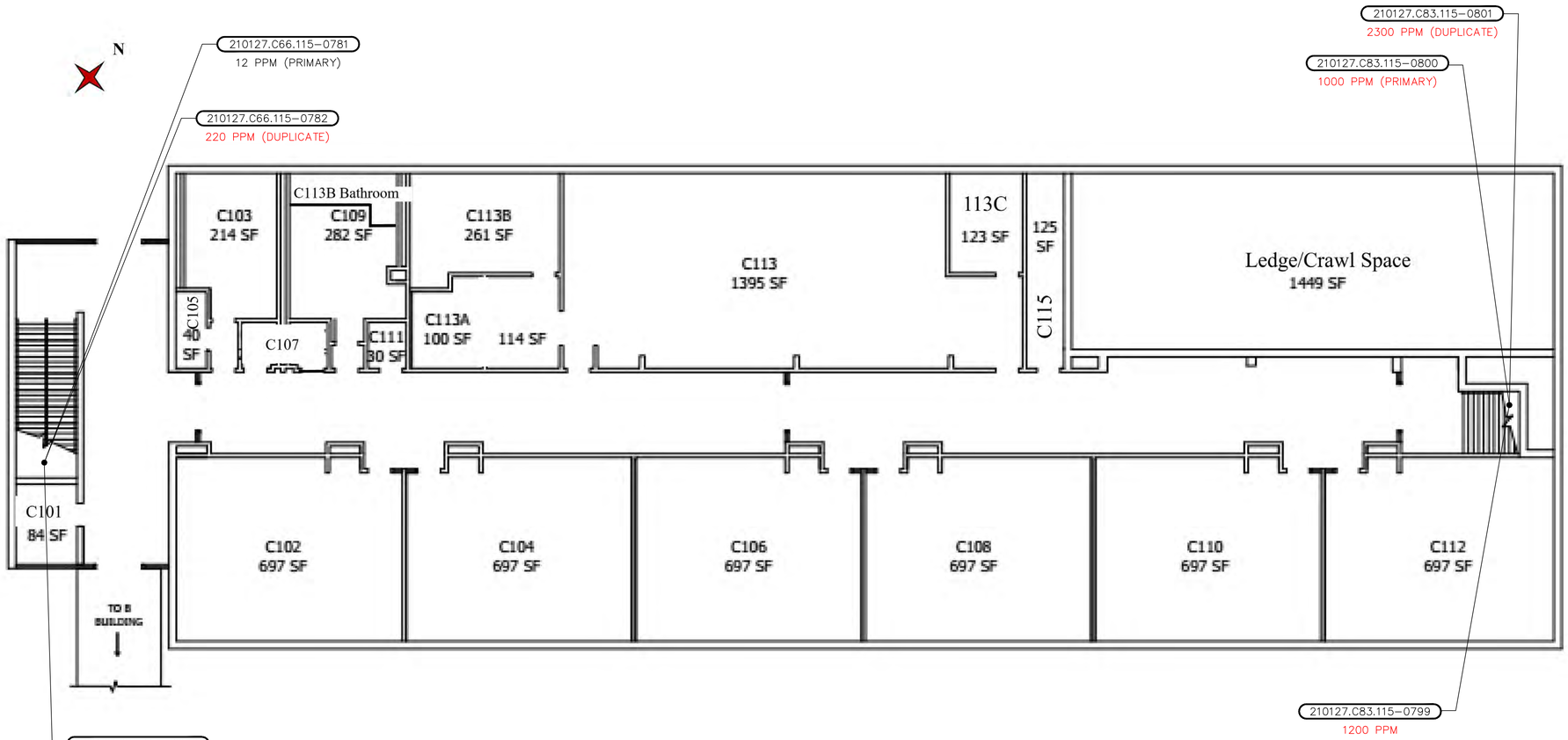
BURLINGTON SCHOOL DISTRICT
BUILDING C - 1ST FLOOR
SINK UNDERCOATING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-C1-8

File: J:\DWG\P2019\1400A10\EnvironmentalPlan\Bulk Sampling\20191400A10_SAM05_BLDG_C.dwg Layout: HM-C1-8 Plotted: 2021-10-14 1:09 PM Saved: 2021-10-13 1:27 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING C – 1ST FLOOR
STAIR TREAD ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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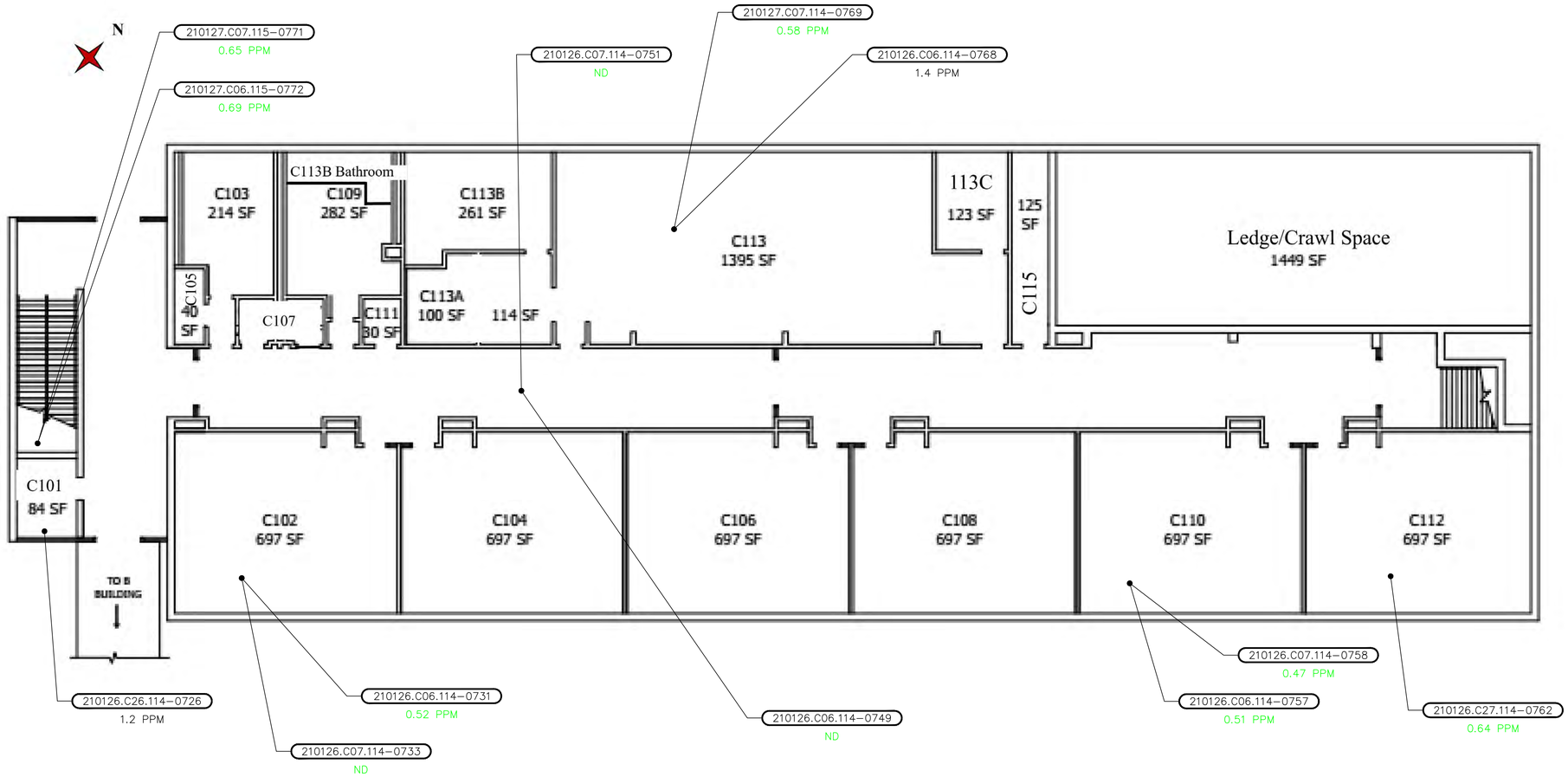
BURLINGTON SCHOOL DISTRICT
BUILDING C - 1ST FLOOR
STAIR TREAD ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021
HM-C1-9

File: J:\DWG\P2019\1400A10\EnvironmentalPlan\Bulk Sampling\20191400A10_SAM05_BLDG_C.dwg Layout: HM-C1-9 Plotted: 2021-10-14 1:10 PM Saved: 2021-10-13 1:27 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING C – 1ST FLOOR
SUSPENDED CEILING TILE

NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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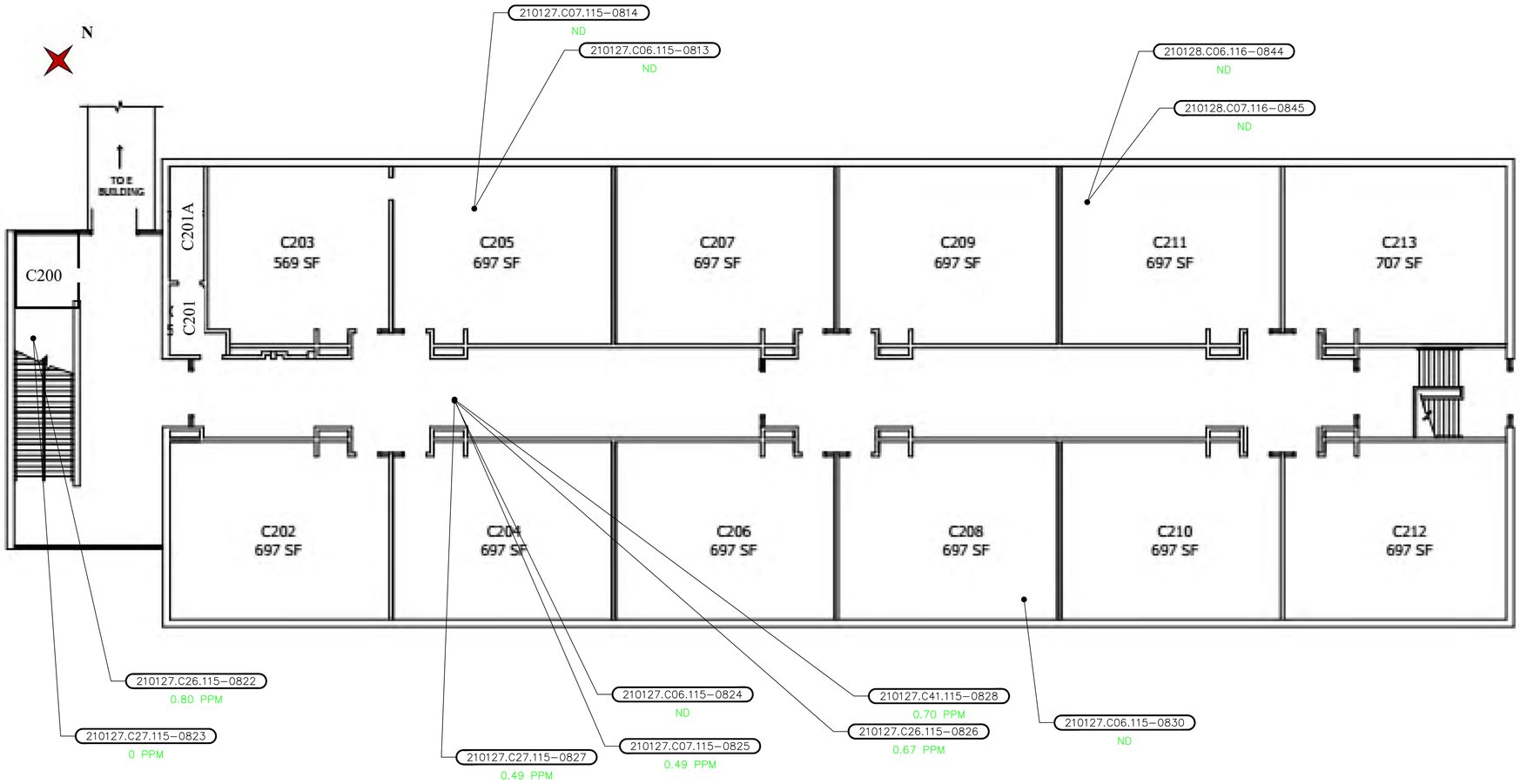
BURLINGTON SCHOOL DISTRICT
BUILDING C - 1ST FLOOR
SUSPENDED CEILING TILE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-C1-12

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM05_BLDG_C.dwg Layout: HM-C1-12 Plotted: 2021-10-14 1:11 PM Saved: 2021-10-13 1:27 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING C – 2ND FLOOR
SUSPENDED CEILING TILE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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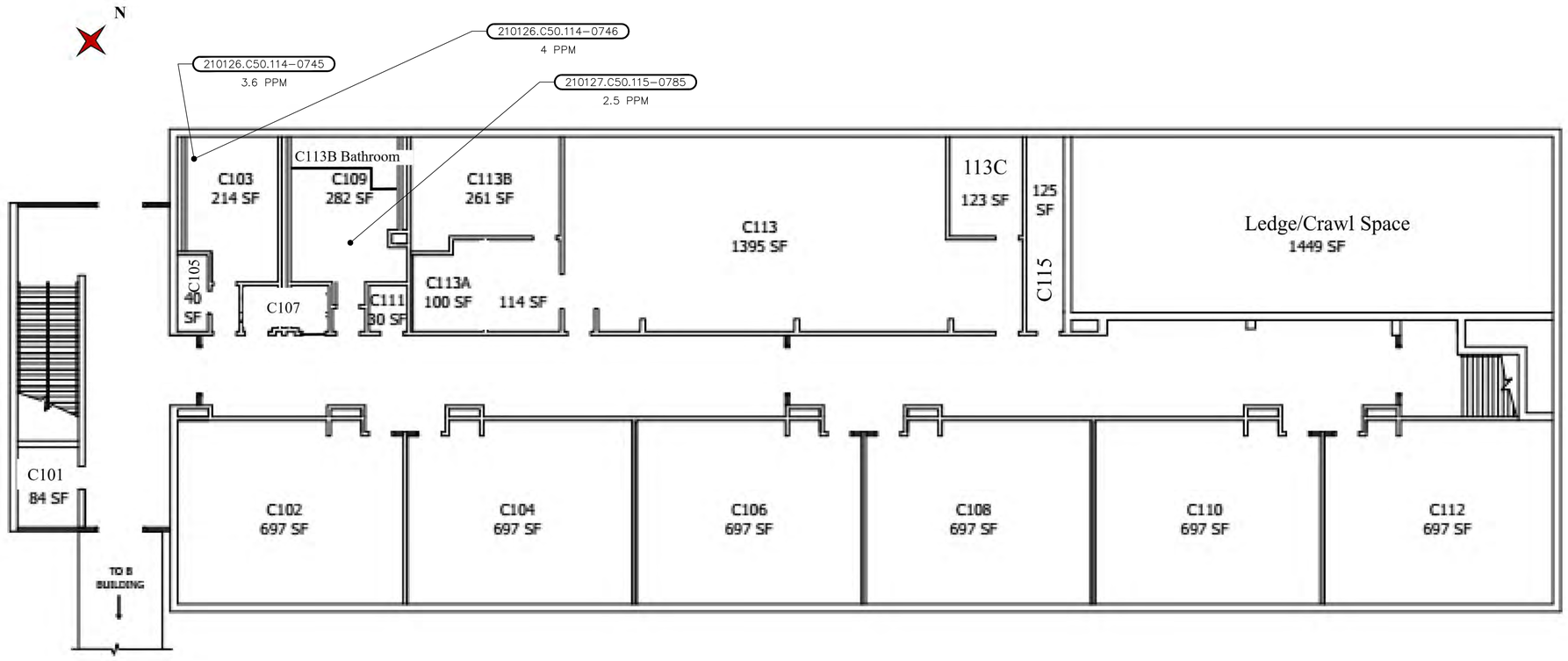
BURLINGTON SCHOOL DISTRICT
BUILDING C - 2ND FLOOR
SUSPENDED CEILING TILE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-C2-12

File: J:\DWG\P2019\1400A\10\Environmental\Plan\Bulk Sampling\20191400A10_SAM05_BLDG_C.dwg Layout: HM-C2-12 Plotted: 2021-10-14 1:12 PM Saved: 2021-10-13 1:27 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING C – 1ST FLOOR
TILE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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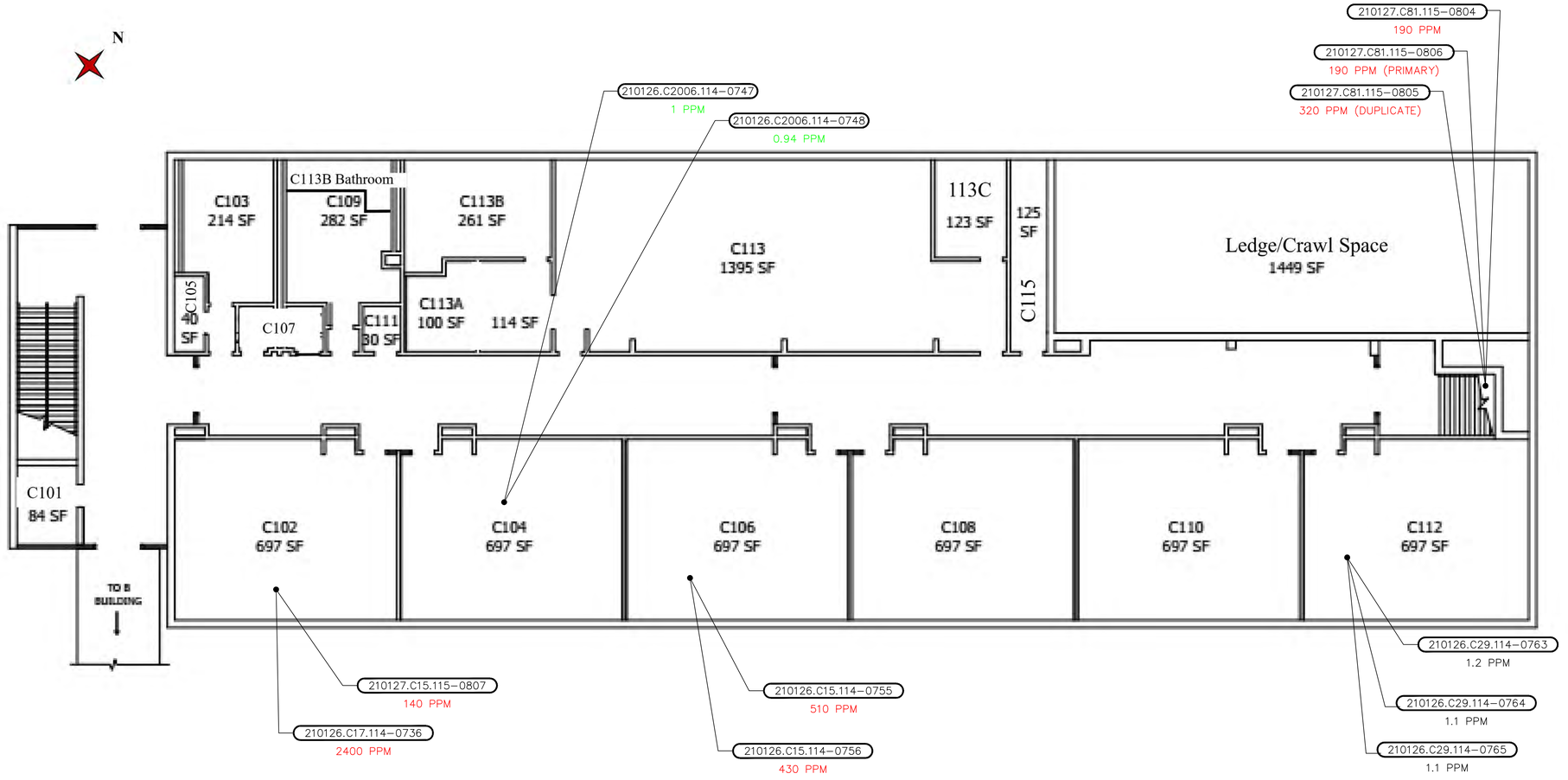
BURLINGTON SCHOOL DISTRICT
BUILDING C - 1ST FLOOR
TILE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-C1-13

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM05_BLDG_C.dwg Layout: HM-C1-13 Plotted: 2021-10-14 1:13 PM Saved: 2021-10-13 1:27 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING C – 1ST FLOOR
TILE MASTIC
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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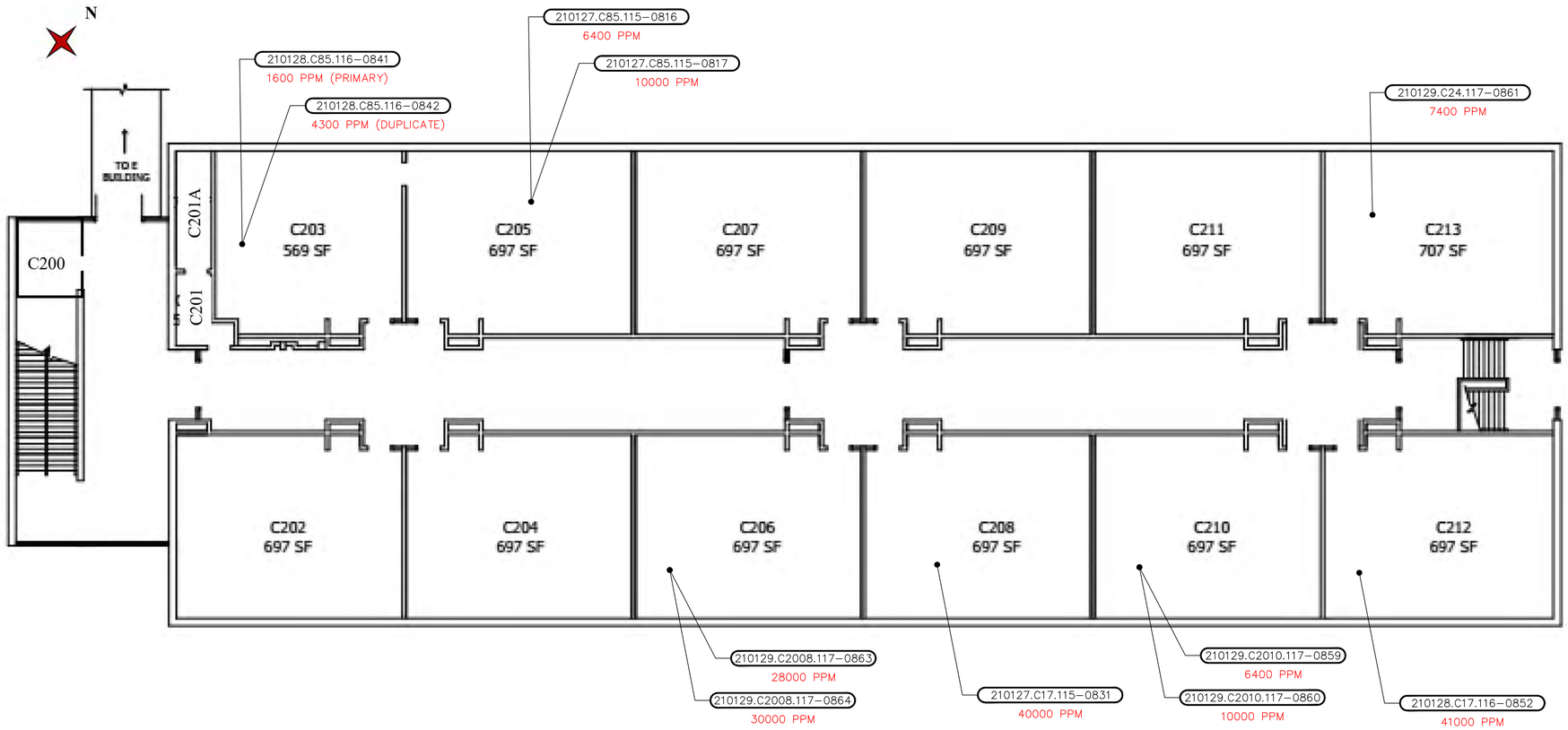
BURLINGTON SCHOOL DISTRICT
BUILDING C - 1ST FLOOR
TILE MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-C1-14

File: J:\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM05_BLDG_C.dwg Layout: HM-C1-14 Plotted: 2021-10-14 1:14 PM Saved: 2021-10-13 1:27 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING C – 2ND FLOOR
TILE MASTIC
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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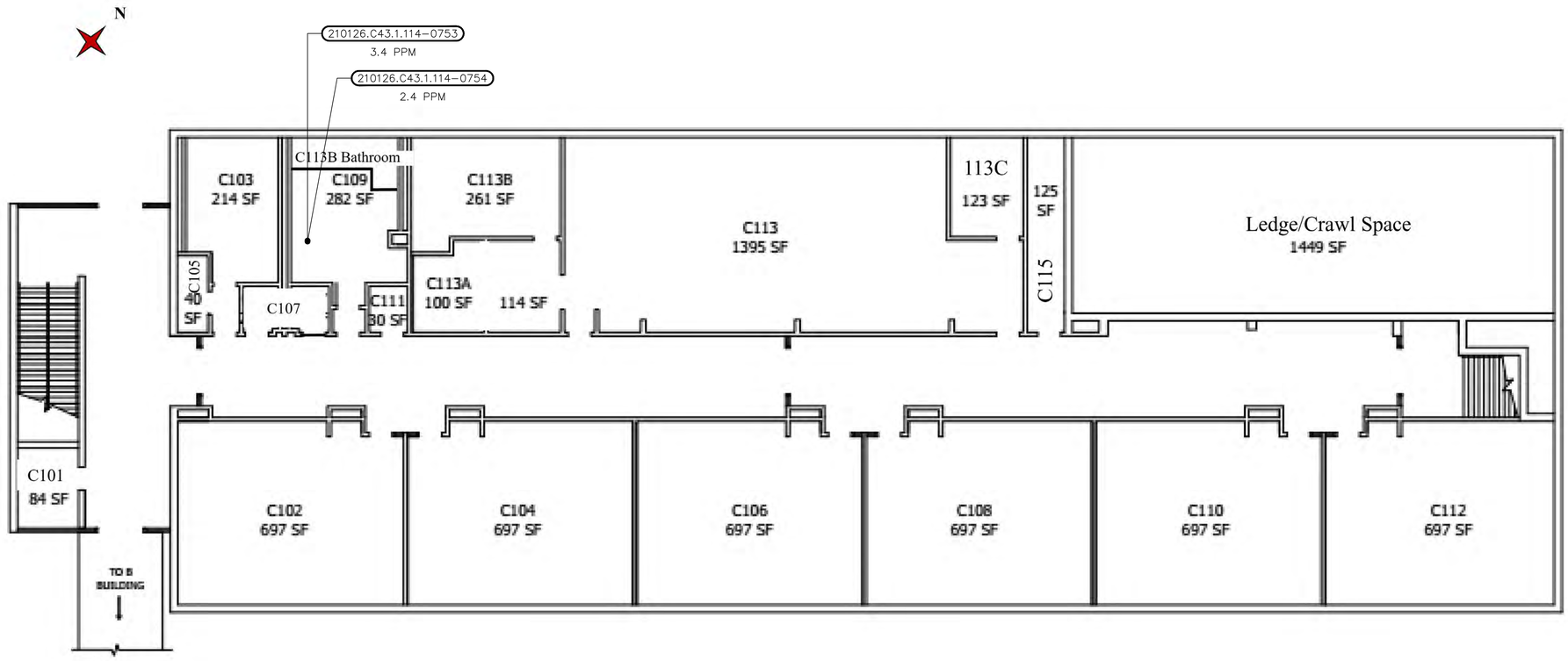
BURLINGTON SCHOOL DISTRICT
BUILDING C - 2ND FLOOR
TILE MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-C2-14

File: J:\DWG\P2019\1400A\10\Environmental\Plan\Bulk Sampling\20191400A10_SAM05_BLDG_C.dwg Layout: HM-C2-14 Plotted: 2021-10-14 1:15 PM Saved: 2021-10-13 1:27 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING C – 1ST FLOOR
WALL PAPER ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

FUSS & O'NEILL
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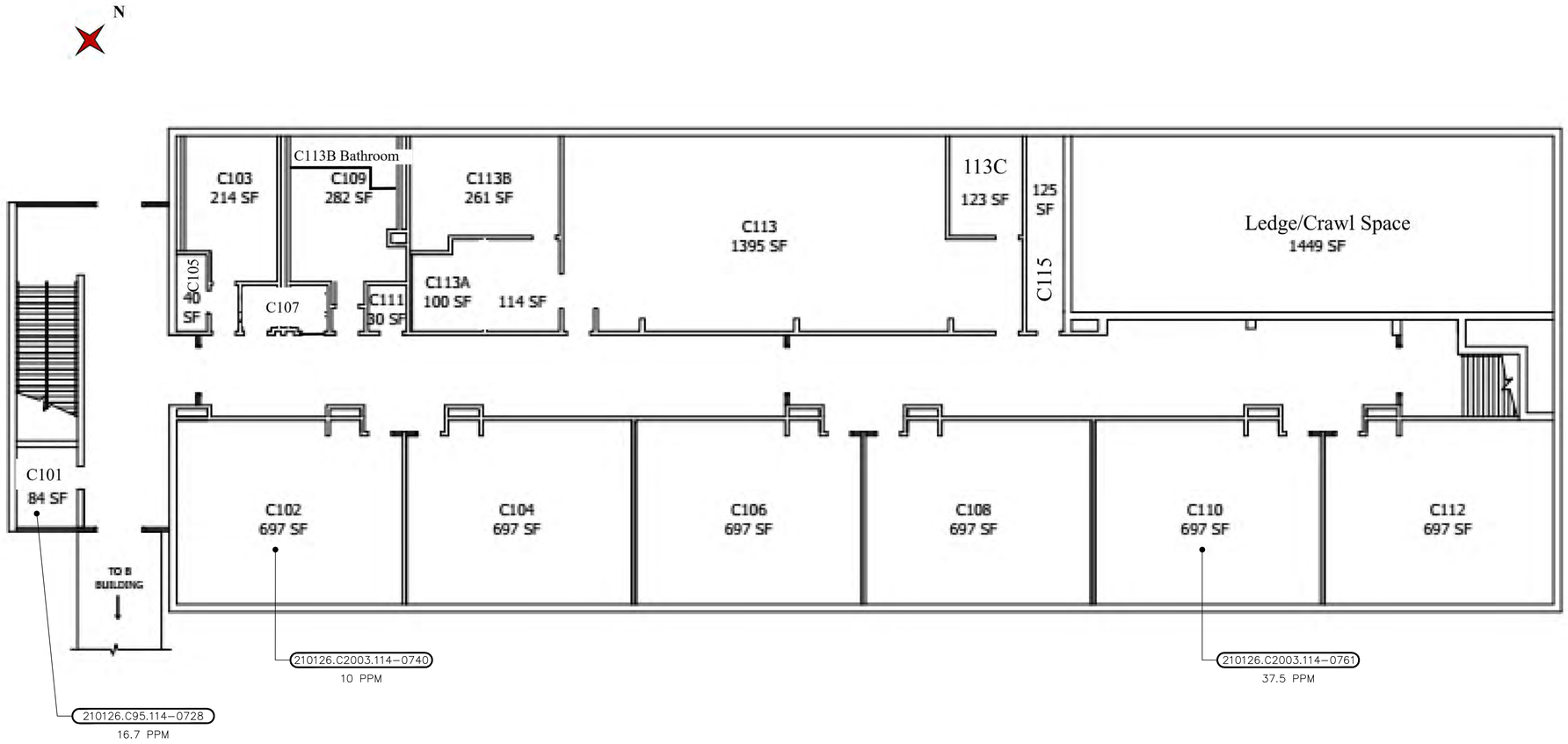
BURLINGTON SCHOOL DISTRICT
BUILDING C - 1ST FLOOR
WALL PAPER ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-C1-16

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM05_BLDG_C.dwg Layout: HM-C1-16 Plotted: 2021-10-14 1:16 PM Saved: 2021-10-13 1:27 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING C – 1ST FLOOR
WINDOW GLAZING

NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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BURLINGTON SCHOOL DISTRICT

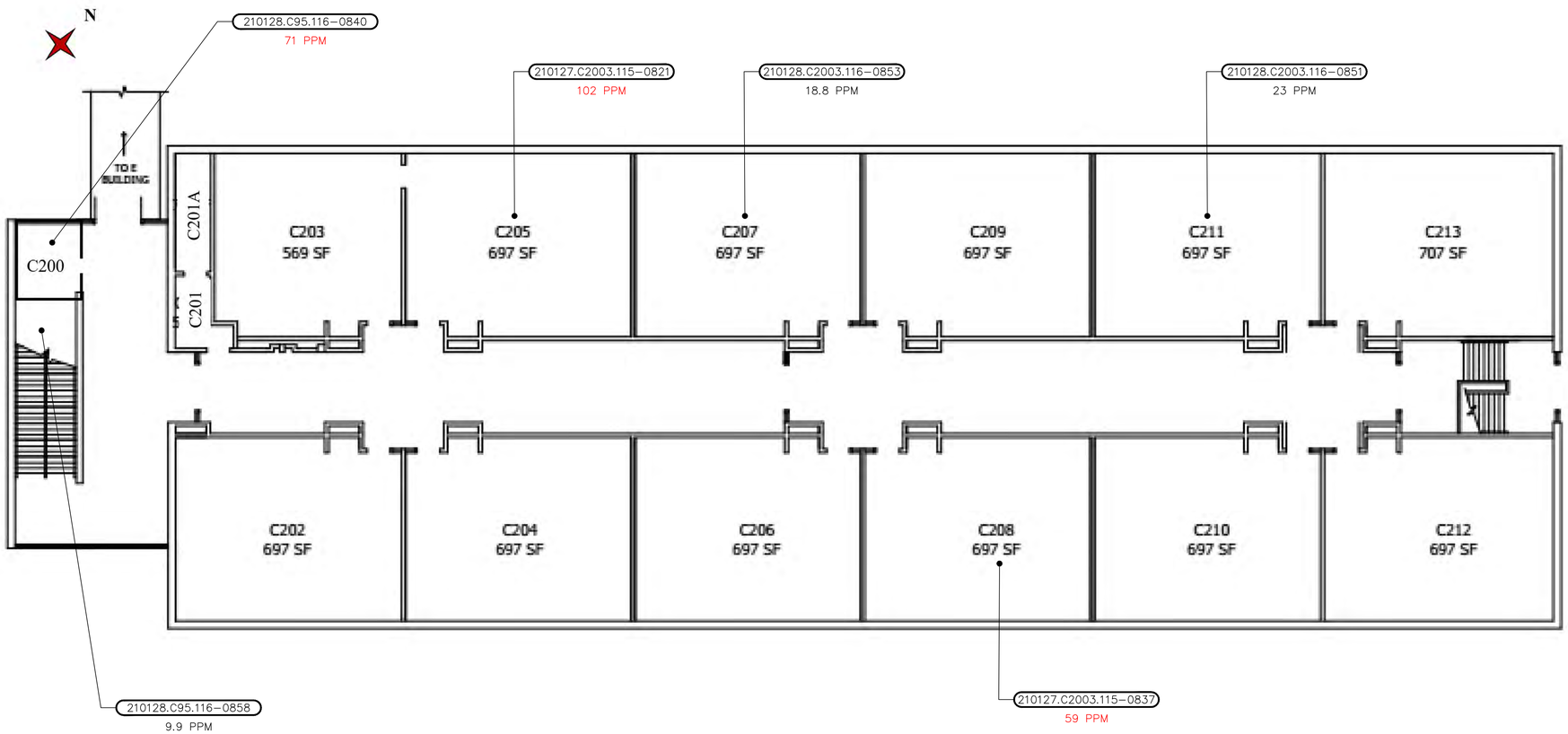
BUILDING C - 1ST FLOOR
WINDOW GLAZING PLAN

BHS PCB SITE INVESTIGATION

BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-C1-20



BUILDING C – 2ND FLOOR
WINDOW GLAZING
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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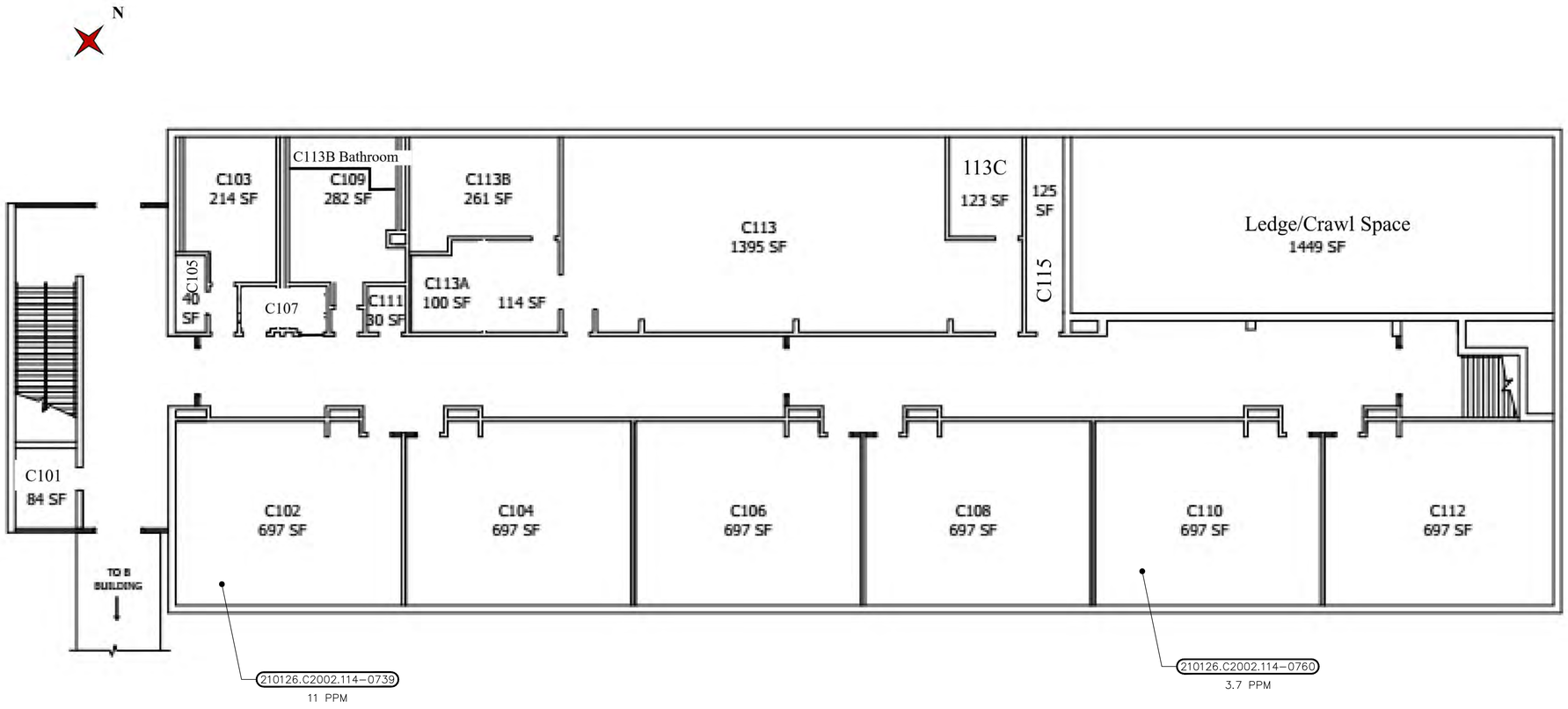
BURLINGTON SCHOOL DISTRICT
BUILDING C - 2ND FLOOR
WINDOW GLAZING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-C2-20

File: \\private\dfs\CadProj\DWG\P2019\1400A10\Environmental\PlainBulk Sampling\20191400A10_SAM05_BLDG_C.dwg Layout: HM-C2-20 Plotted: 2021-12-22 4:15 PM Saved: 2021-12-22 1:56 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING C – 1ST FLOOR
BULLETIN CHAULKBOARD ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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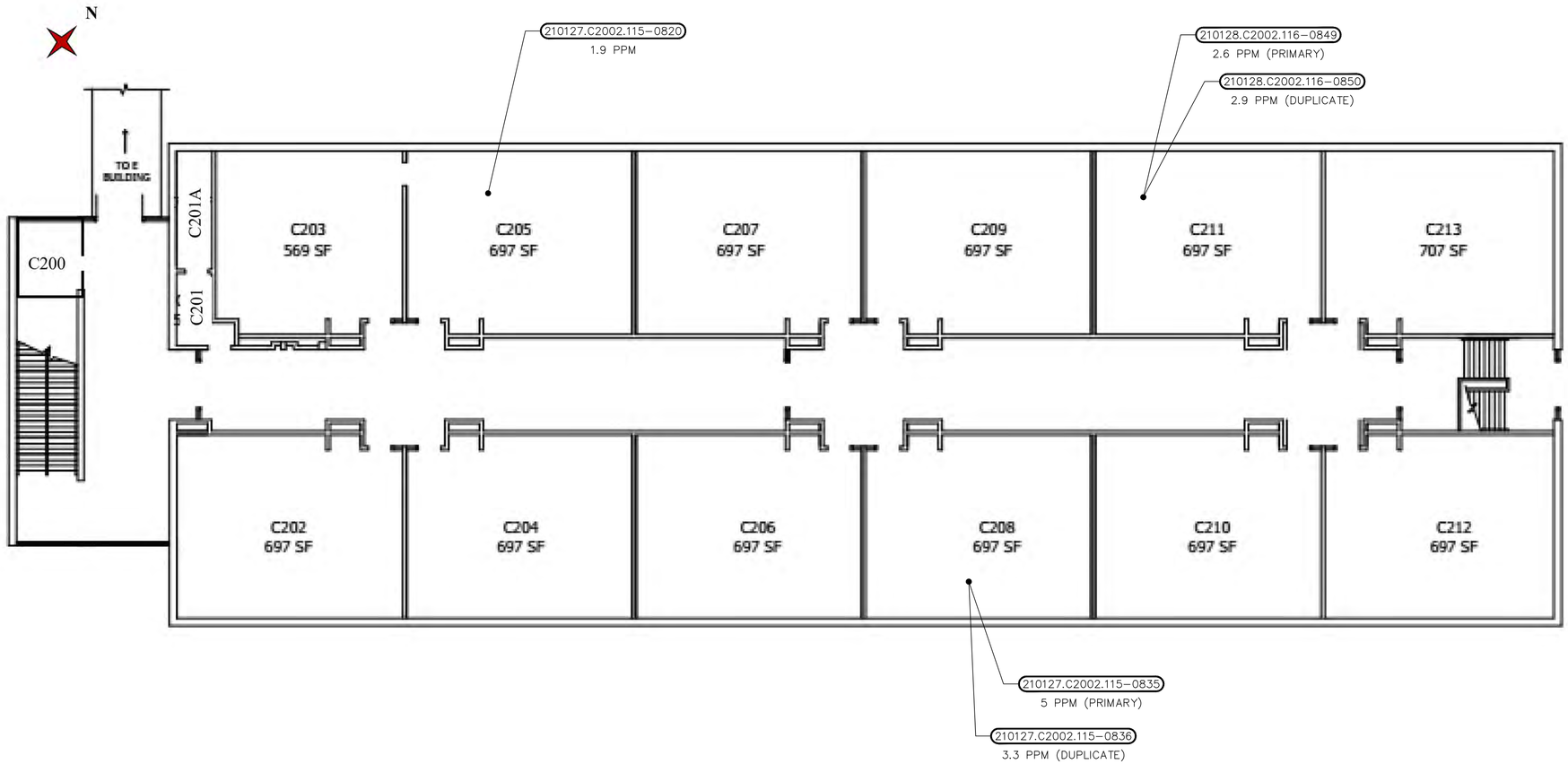
BURLINGTON SCHOOL DISTRICT
BUILDING C - 1ST FLOOR
BULLETIN CHAULKBOARD ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-C1-22

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM05_BLDG_C.dwg Layout: HM-C1-22 Plotted: 2021-10-14 1:19 PM Saved: 2021-10-13 1:27 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING C – 2ND FLOOR
BULLETIN CHAULKBOARD ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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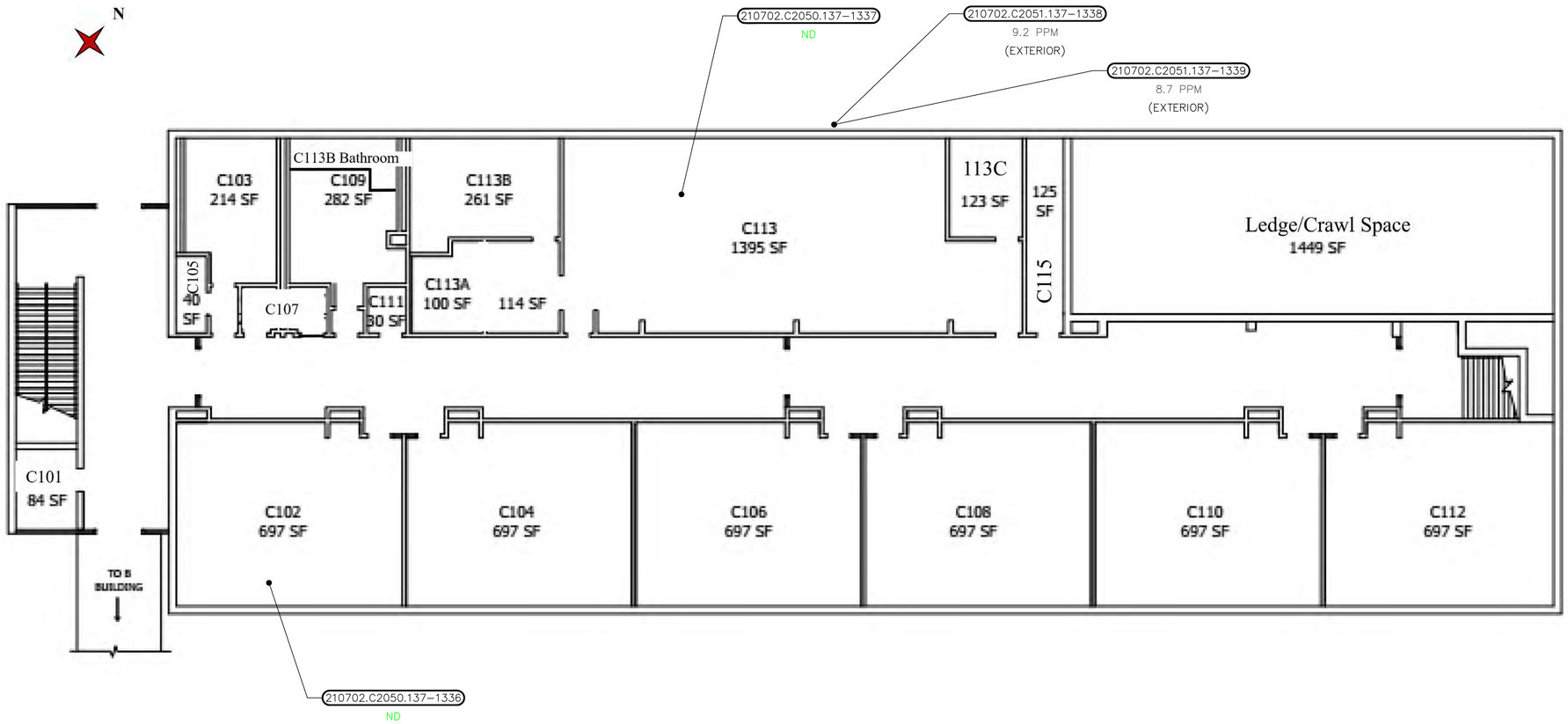
BURLINGTON SCHOOL DISTRICT
BUILDING C - 2ND FLOOR
BULLETIN CHAULKBOARD ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-C2-22

File: J:\DWG\P2019\1400A\10\Environmental\Plan\Bulk Sampling\20191400A10_SAM05_BLDG_C.dwg Layout: HM-C2-22 Plotted: 2021-10-14 1:20 PM Saved: 2021-10-13 1:27 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING C – 1ST FLOOR
VAPOR BARRIER
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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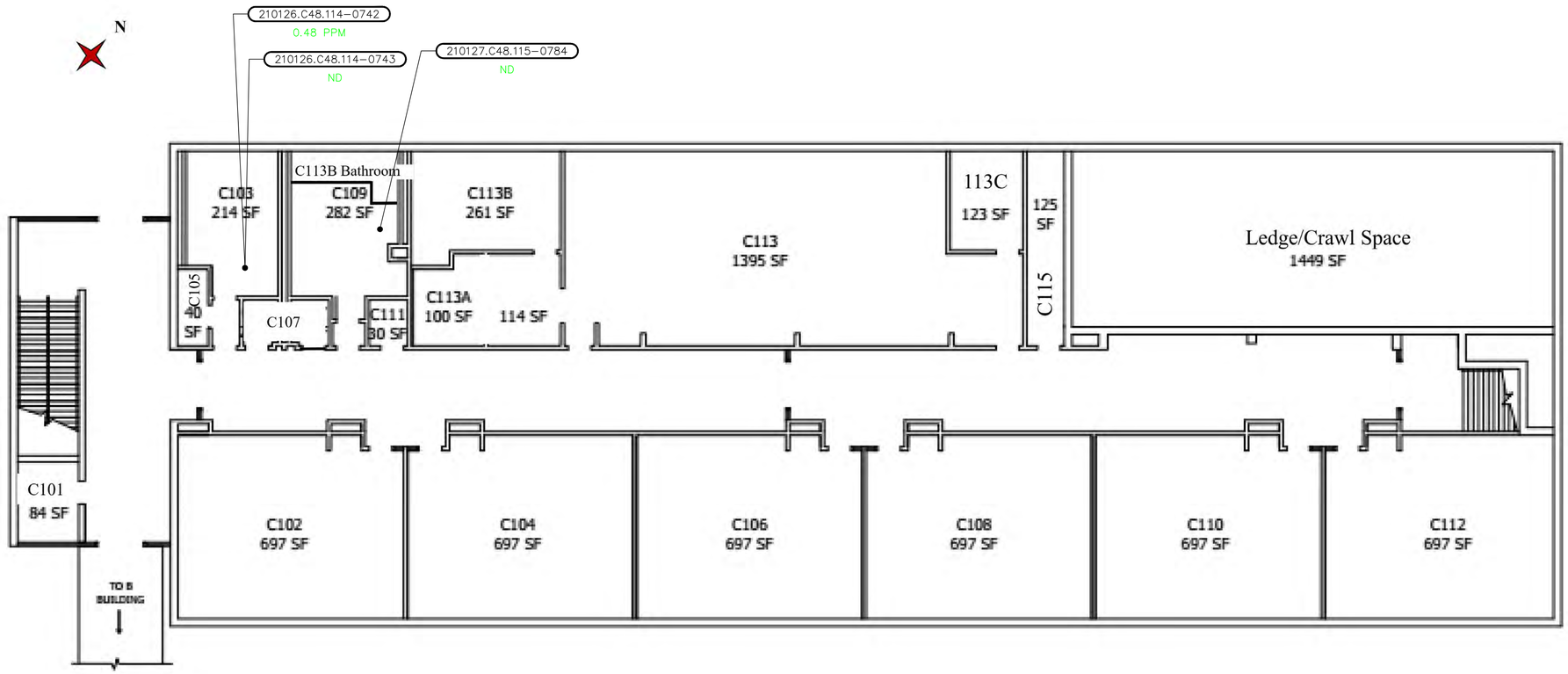
BURLINGTON SCHOOL DISTRICT
BUILDING C - 1ST FLOOR
VAPOR BARRIER PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-C1-34

File: J:\DWG\P2019\1400A\10\Environmental\Plan\Bulk Sampling\20191400A10_SAM05_BLDG_C.dwg Layout: HM-C1-34 Plotted: 2021-12-30 2:15 PM Saved: 2021-12-30 2:14 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING C – 1ST FLOOR
GROUT ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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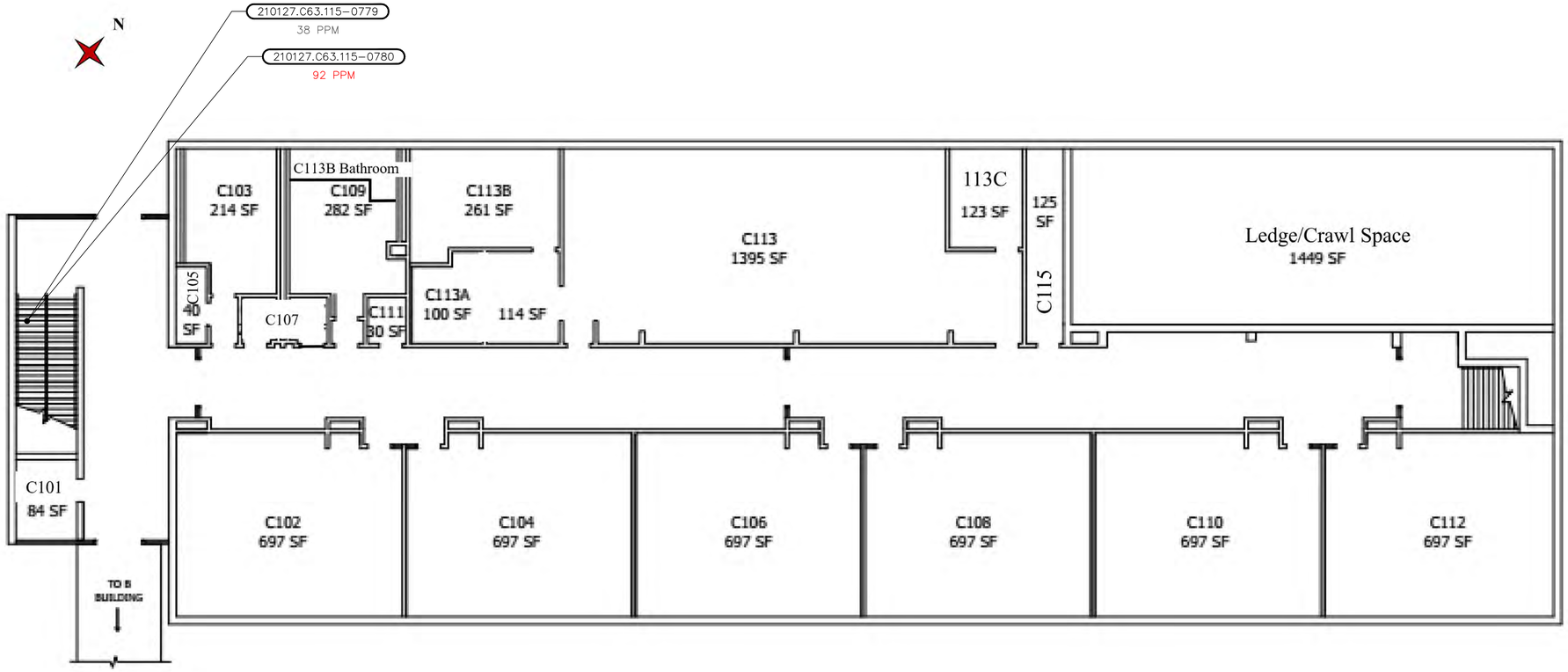
BURLINGTON SCHOOL DISTRICT
BUILDING C - 1ST FLOOR
GROUT ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-C1-35

File: J:\DWG\P2019\1400A\10\Environmental\Plan\Bulk Sampling\20191400A10_SAM05_BLDG_C.dwg Layout: HM-C1-35 Plotted: 2021-12-30 1:24 PM Saved: 2021-12-30 1:20 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING C – 1ST FLOOR
WINDOW CAULKING
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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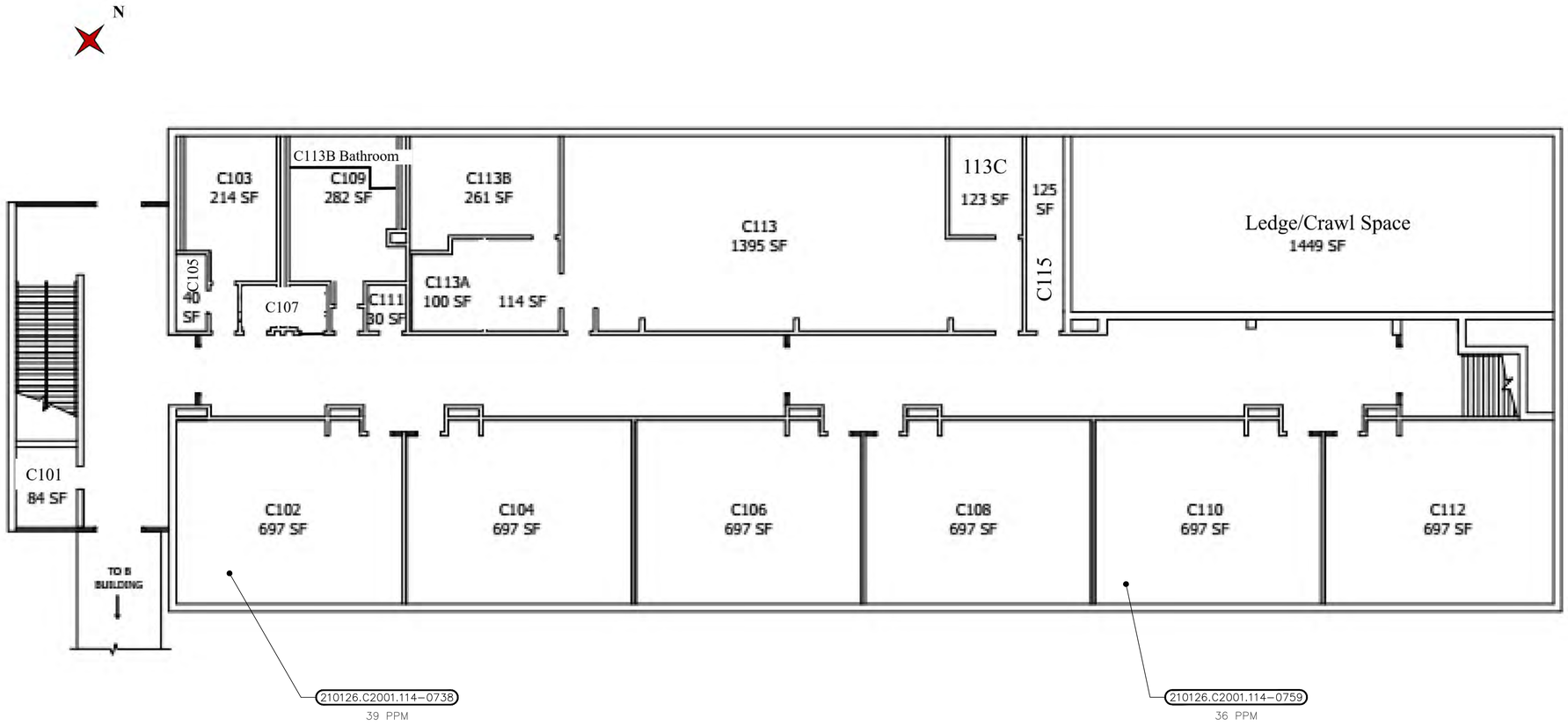
BURLINGTON SCHOOL DISTRICT
BUILDING C - 1ST FLOOR
WINDOW CAULKING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-C1-38



BUILDING C – 1ST FLOOR
CMU TO PLASTER WALL CAULKING MATERIAL
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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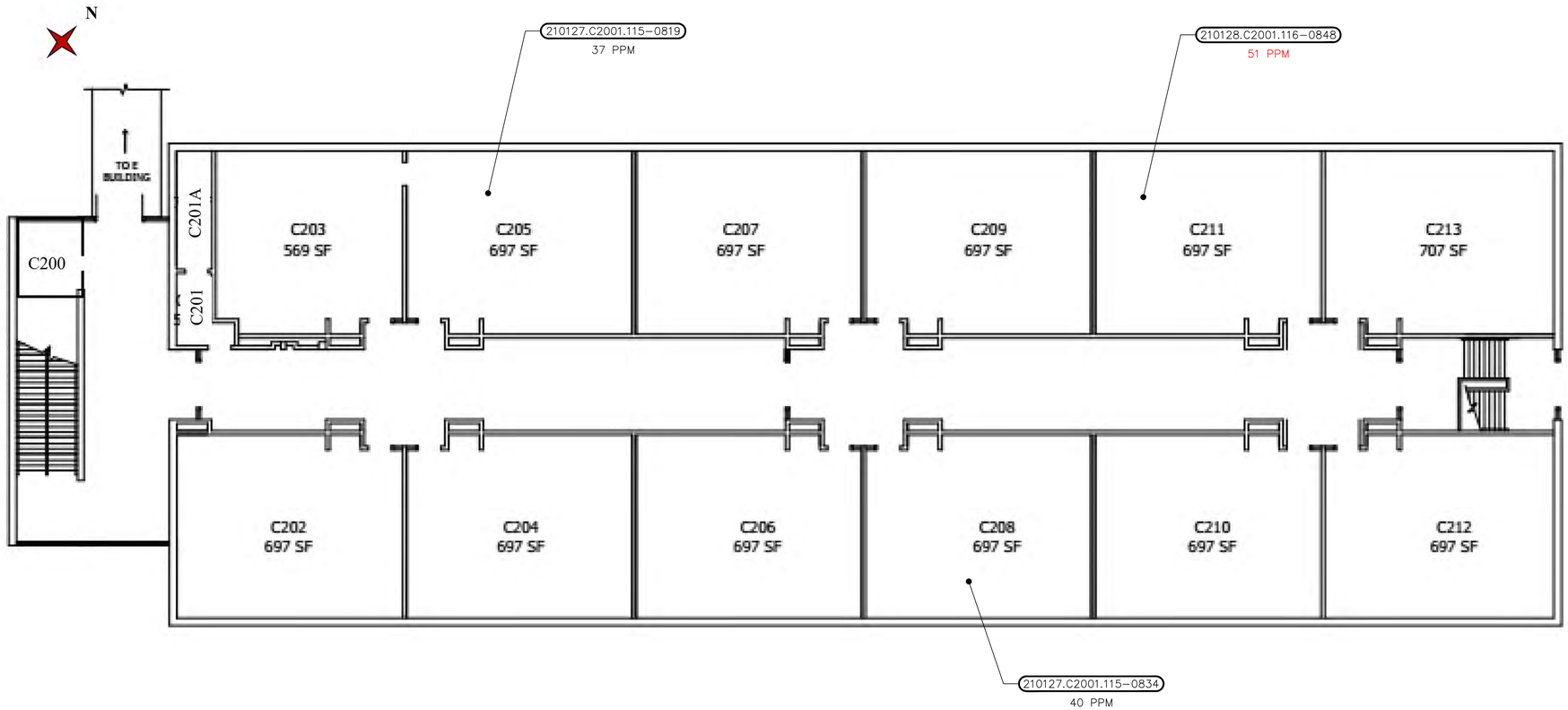
BURLINGTON SCHOOL DISTRICT
BUILDING C - 1ST FLOOR
CMU TO PLASTER WALL CAULKING
MATERIAL PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-C1-39

File: J:\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM05_BLDG_C.dwg Layout: HM-C1-39 Plotted: 2021-12-30 1:54 PM Saved: 2021-12-30 1:52 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING C – 2ND FLOOR
CMU TO PLASTER WALL CAULKING MATERIAL
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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BURLINGTON SCHOOL DISTRICT
BUILDING C - 2ND FLOOR
CMU TO PLASTER WALL CAULKING
MATERIAL PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

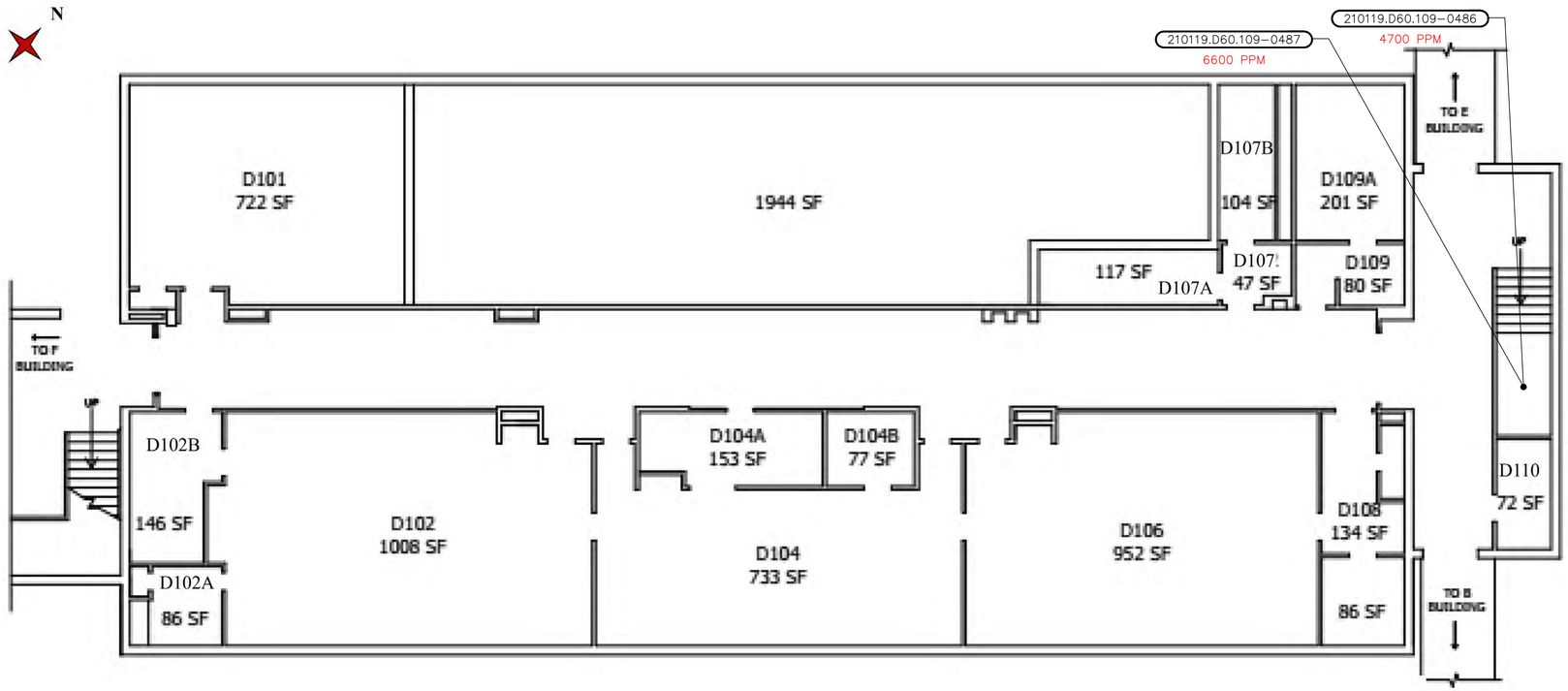
PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-C2-39

File: J:\DWG\P2019\1400A\10\Environmental\Plan\Bulk Sampling\20191400A10_SAM05_BLDG_C.dwg Layout: HM-C2-39 Plotted: 2021-12-30 2:03 PM Saved: 2021-12-30 2:01 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:

Building D

Bulk and Substrate Plans



BUILDING D – 1ST FLOOR
CARPET MASTIC
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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BURLINGTON SCHOOL DISTRICT

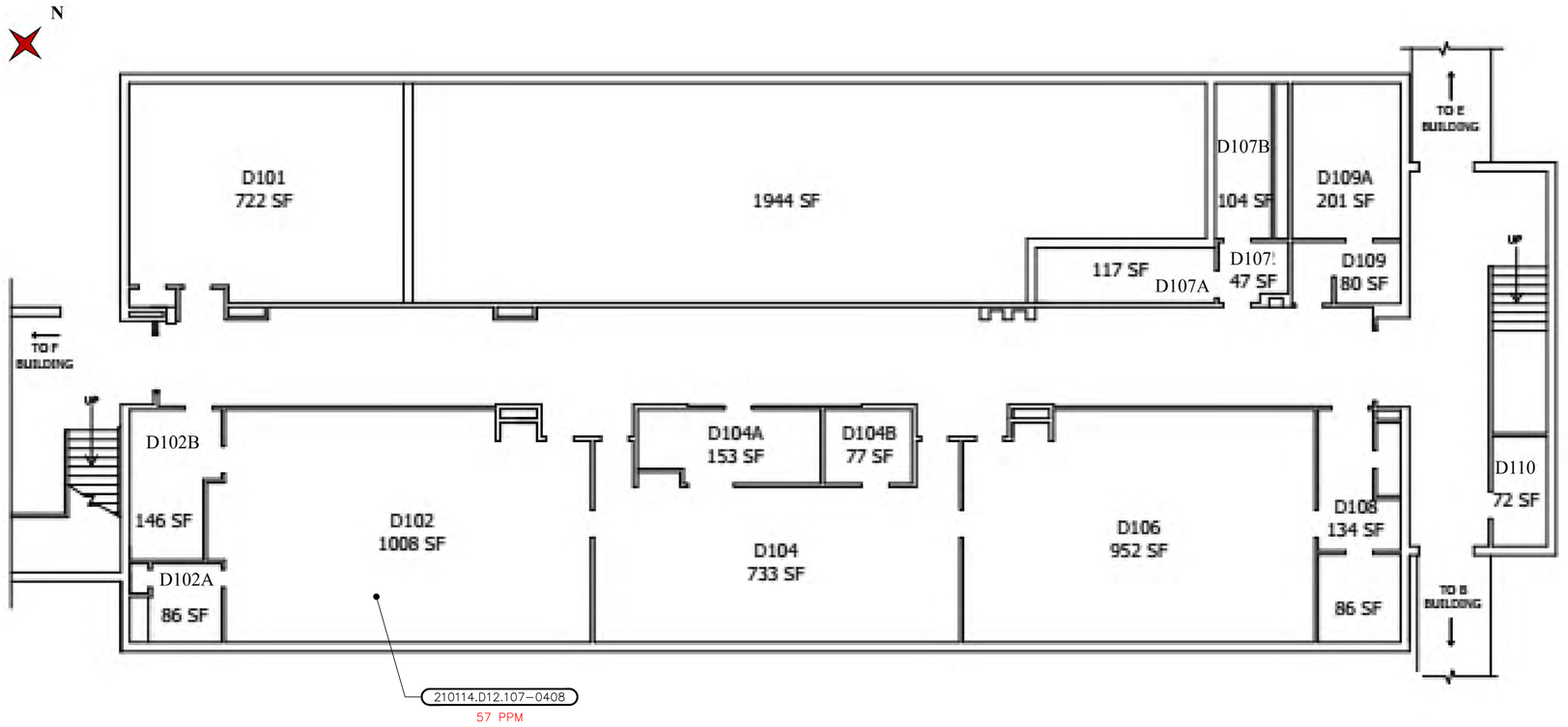
BUILDING D - 1ST FLOOR CARPET MASTIC PLAN

BHS PCB SITE INVESTIGATION

BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-D1-1



BUILDING D – 1ST FLOOR
COVE BASE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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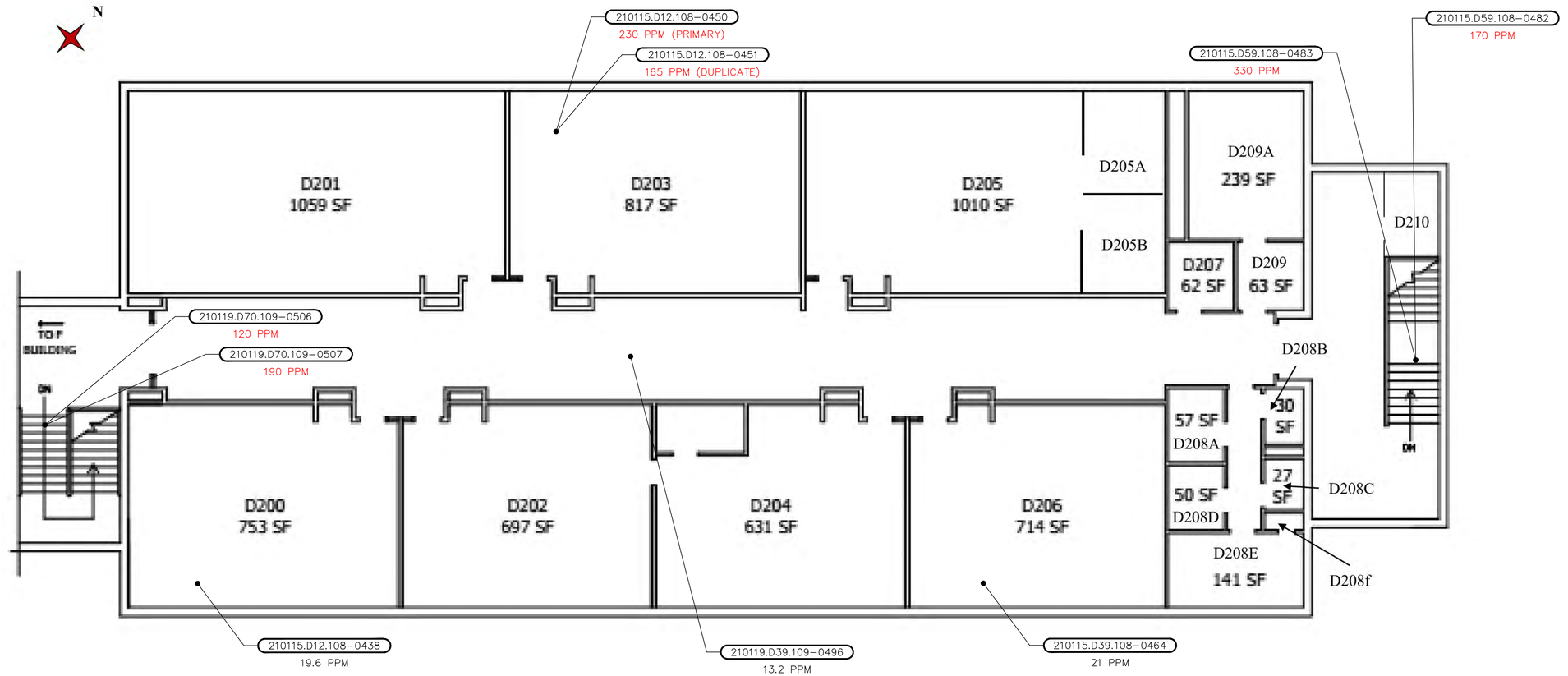
BURLINGTON SCHOOL DISTRICT
BUILDING D - 1ST FLOOR
COVE BASE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-D1-3



BUILDING D – 2ND FLOOR
COVE BASE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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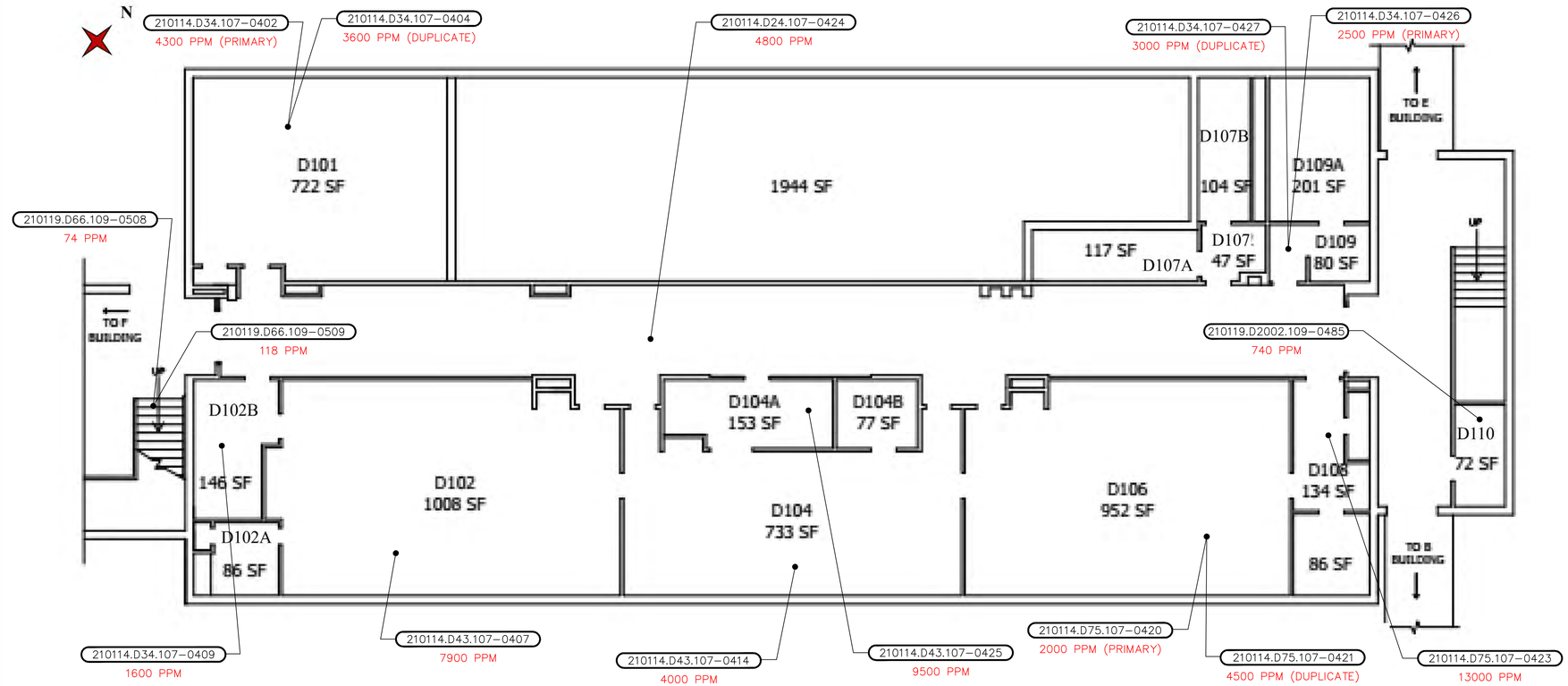
BURLINGTON SCHOOL DISTRICT
BUILDING D - 2ND FLOOR
COVE BASE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-D2-3

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM06_BLDG_D.dwg Layout: HM-D2-3 Plotted: 2021-10-14 1:32 PM Saved: 2021-10-14 1:31 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING D – 1ST FLOOR
FLOOR TILE MASTIC
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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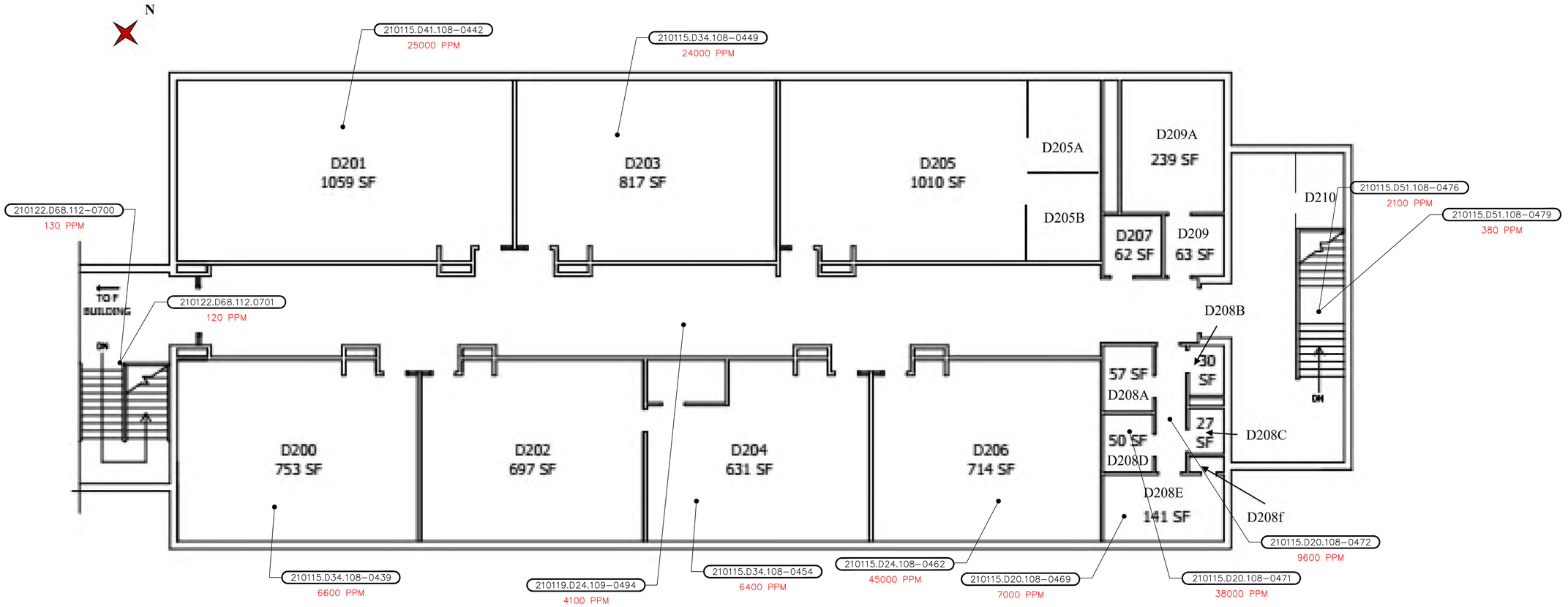
BURLINGTON SCHOOL DISTRICT
BUILDING D - 1ST FLOOR
FLOOR TILE MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-D1-5

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM06_BLDG_D.dwg Layout: HM-D1-5 Plotted: 2021-10-14 1:35 PM Saved: 2021-10-14 1:31 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING D – 2ND FLOOR
FLOOR TILE MASTIC
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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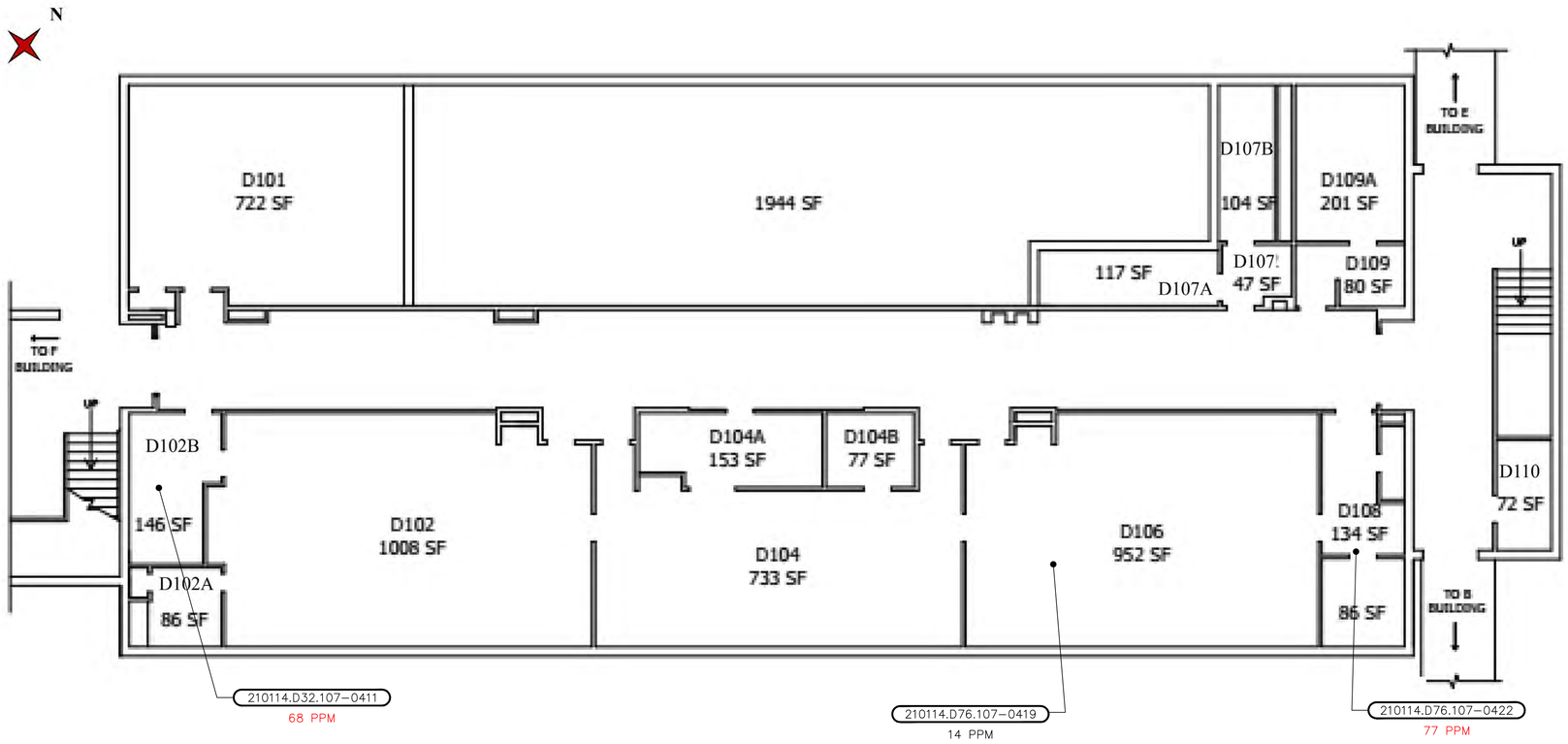
BURLINGTON SCHOOL DISTRICT
BUILDING D - 2ND FLOOR
FLOOR TILE MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-D2-5

File: J:\DWG\P2019\14000A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM06_BLDG_D.dwg Layout: HM-D2-5 Plotted: 2021-10-14 1:31 PM Saved: 2021-10-14 1:36 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING D – 1ST FLOOR
SINK UNDERCOATING
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

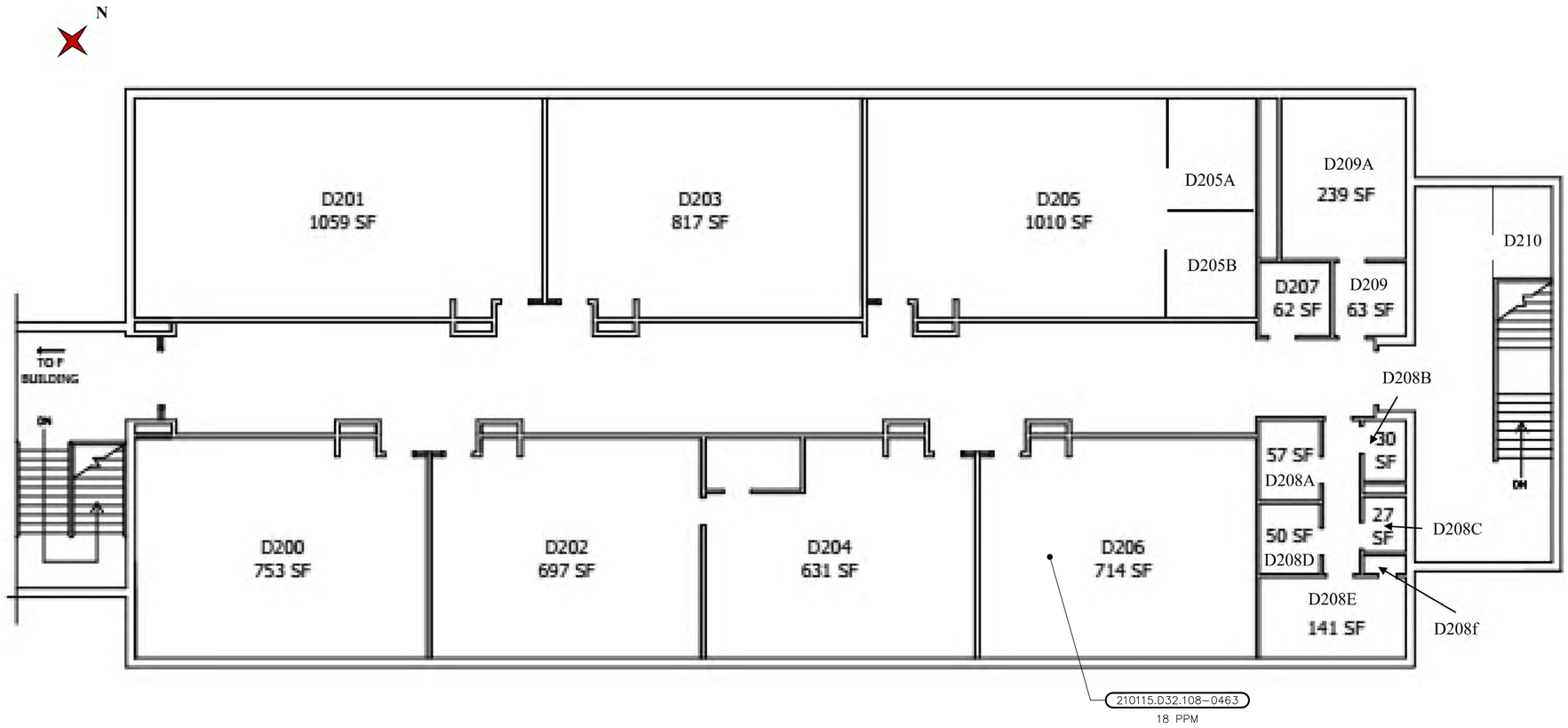
FUSS & O'NEILL
205 BILLINGS FARMS ROAD, SUITE 6B
WHITE RIVER JUNCTION, VT 05001
802.698.0570
www.fando.com

BURLINGTON SCHOOL DISTRICT
BUILDING D - 1ST FLOOR
SINK UNDERCOATING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-D1-8

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM06_BLDG_D.dwg Layout: HM-D1-8 Plotted: 2021-10-14 1:38 PM Saved: 2021-10-14 1:31 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING D – 2ND FLOOR
SINK UNDERCOATING
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

FUSS & O'NEILL
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WHITE RIVER JUNCTION, VT 05001
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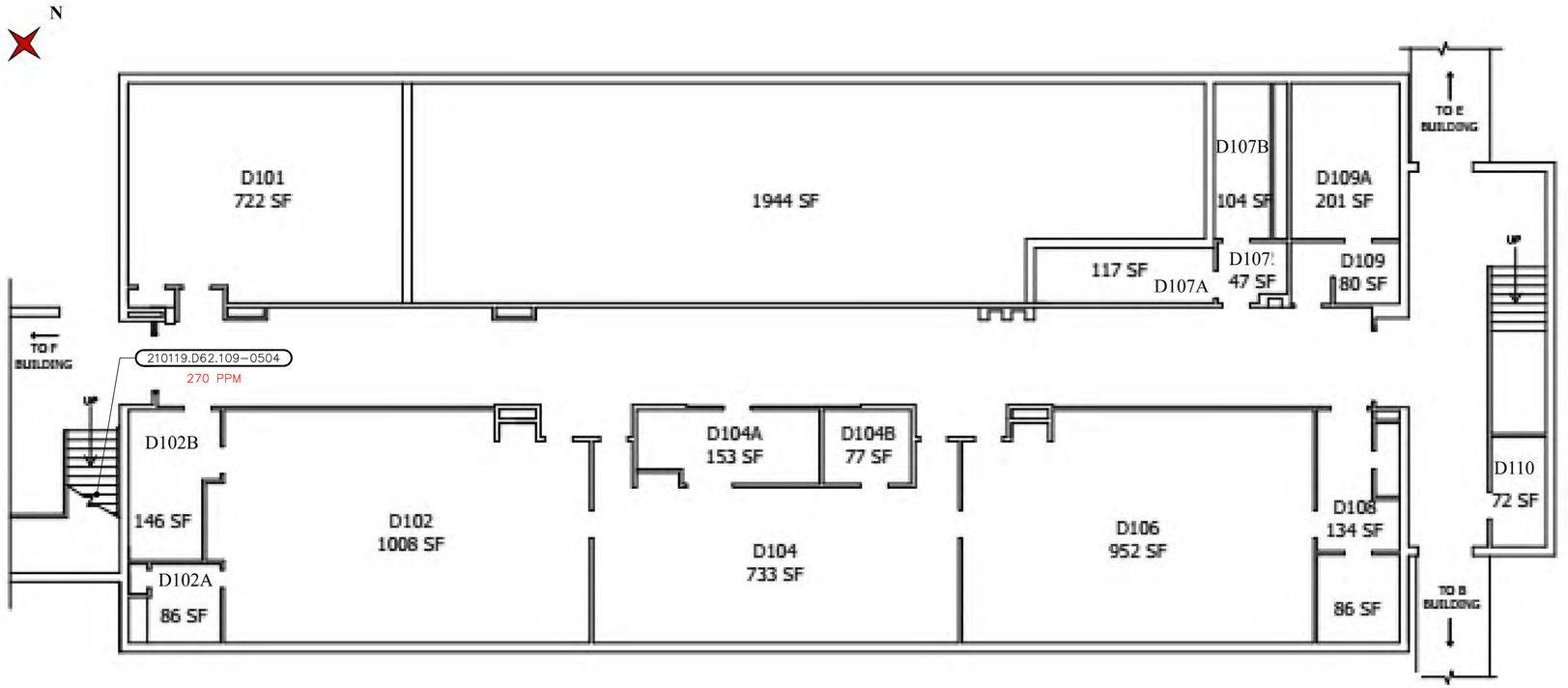
BURLINGTON SCHOOL DISTRICT
BUILDING D - 2ND FLOOR
SINK UNDERCOATING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-D2-8

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM06_BLDG_D.dwg Layout: HM-D2-8 Plotted: 2021-10-14 1:39 PM Saved: 2021-10-14 1:31 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING D – 1ST FLOOR
STAIR TREAD ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

FUSS & O'NEILL
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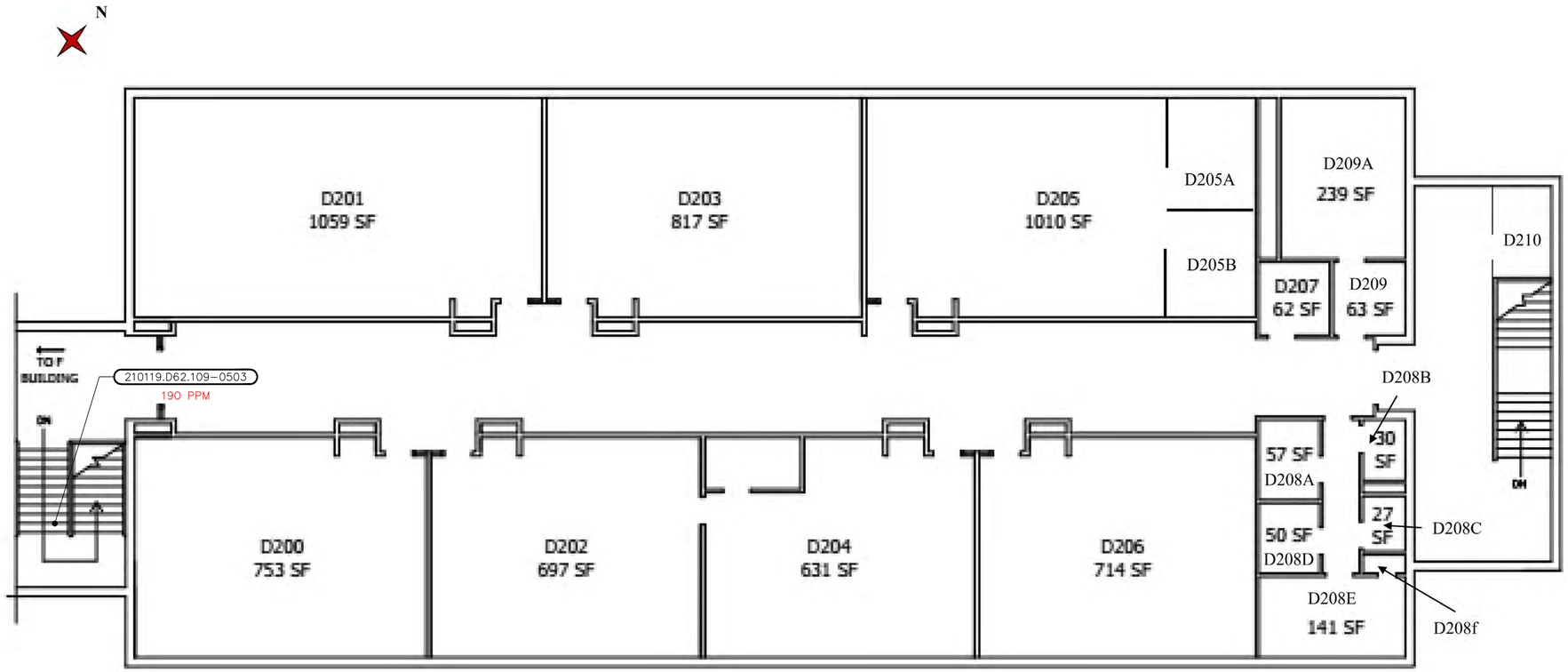
BURLINGTON SCHOOL DISTRICT
BUILDING D - 1ST FLOOR
STAIR TREAD ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-D1-9



BUILDING D – 2ND FLOOR
STAIR TREAD ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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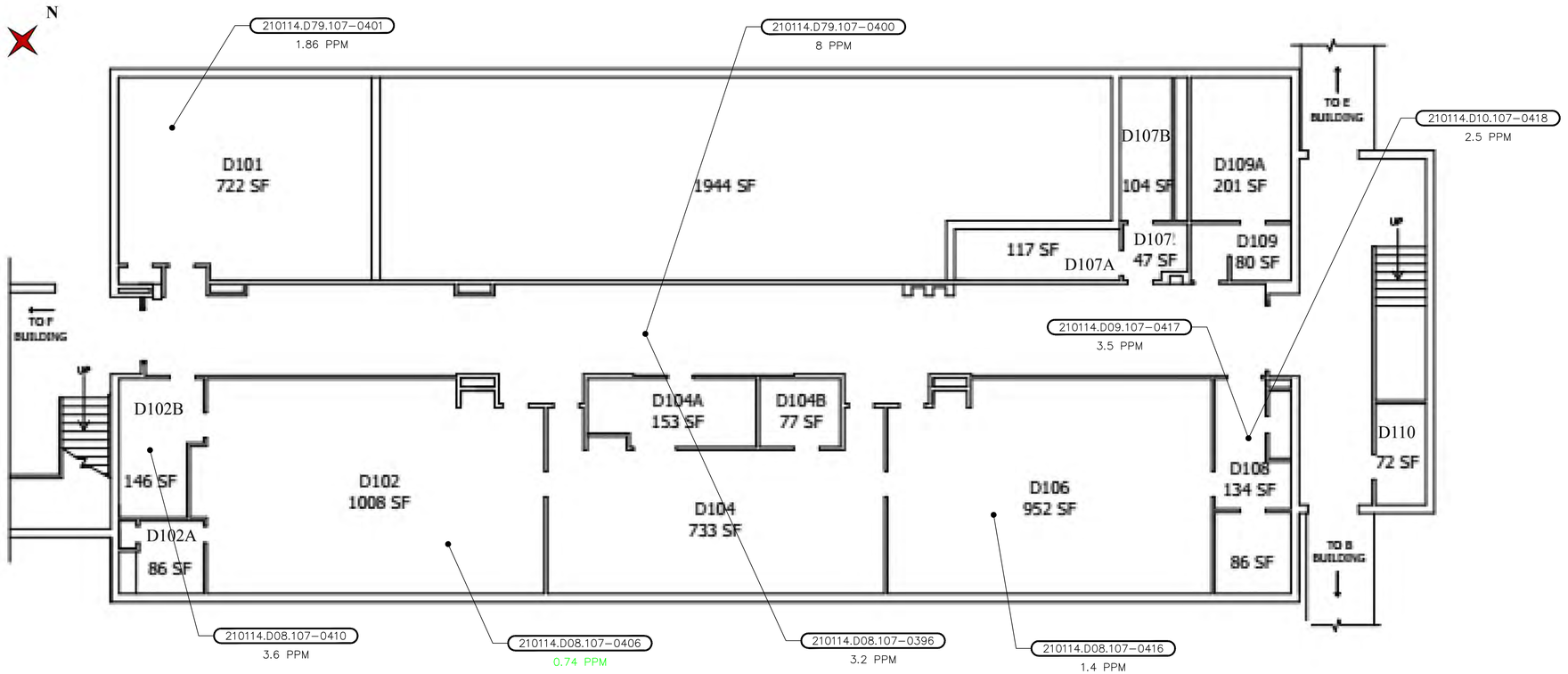
BURLINGTON SCHOOL DISTRICT
BUILDING D - 2ND FLOOR
STAIR TREAD ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021
HM-D2-9

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM06_BLDG_D.dwg Layout: HM-D2-9 Plotted: 2021-10-14 1:42 PM Saved: 2021-10-14 1:31 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING D – 1ST FLOOR
SUSPENDED CEILING TILE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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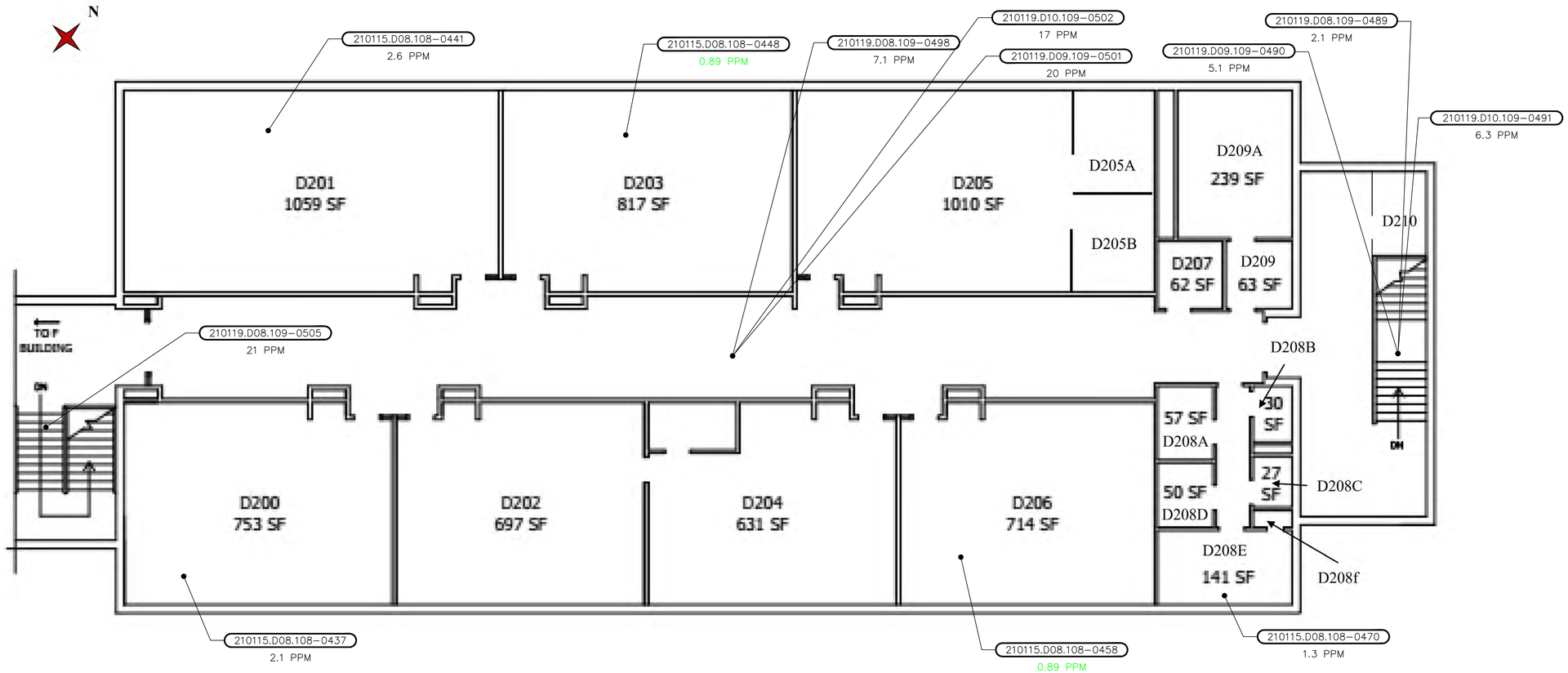
BURLINGTON SCHOOL DISTRICT
BUILDING D - 1ST FLOOR
SUSPENDED CEILING TILE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-D1-12

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM06_BLDG_D.dwg Layout: HM-D1-12 Plotted: 2021-10-14 1:44 PM Saved: 2021-10-14 1:31 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING D – 2ND FLOOR
SUSPENDED CEILING TILE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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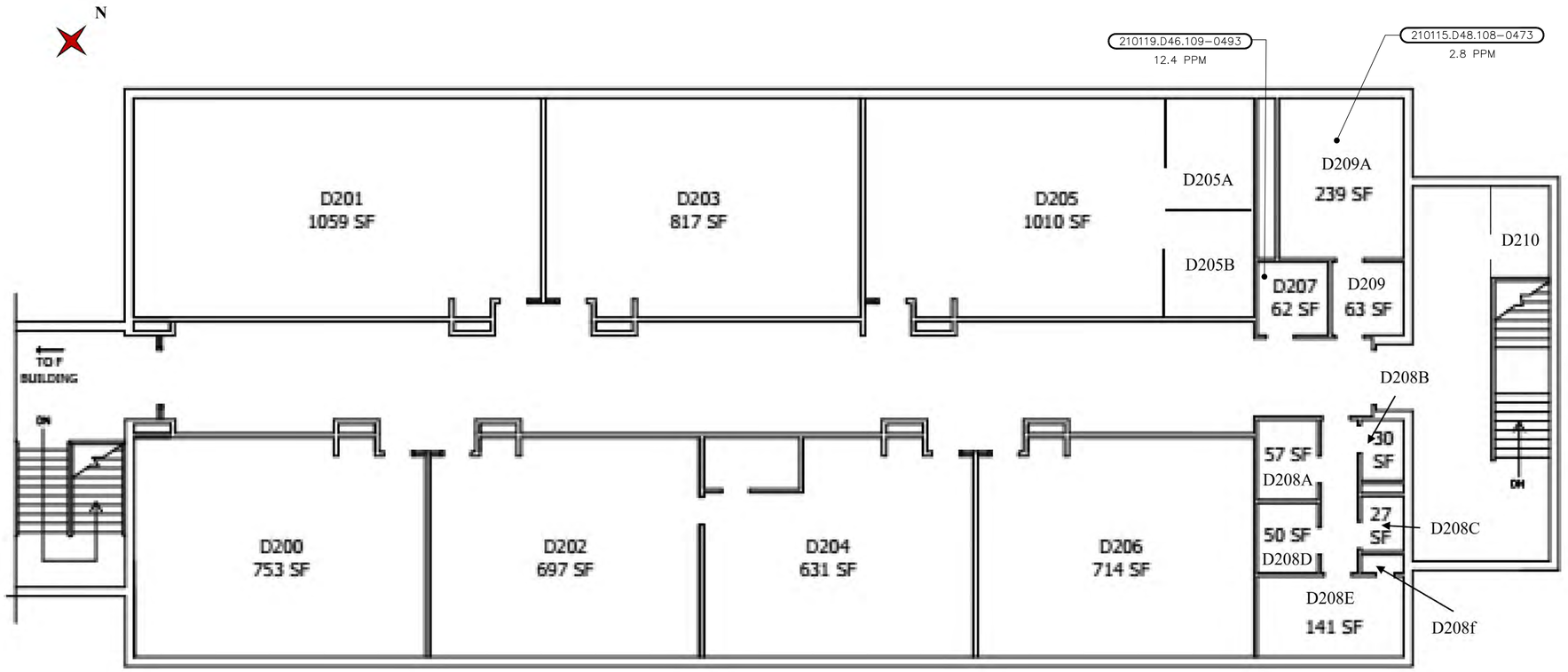
BURLINGTON SCHOOL DISTRICT
BUILDING D - 2ND FLOOR
SUSPENDED CEILING TILE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-D2-12

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM06_BLDG_D.dwg Layout: HM-D2-12 Plotted: 2021-10-14 1:46 PM Saved: 2021-10-14 1:31 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING D – 2ND FLOOR
TILE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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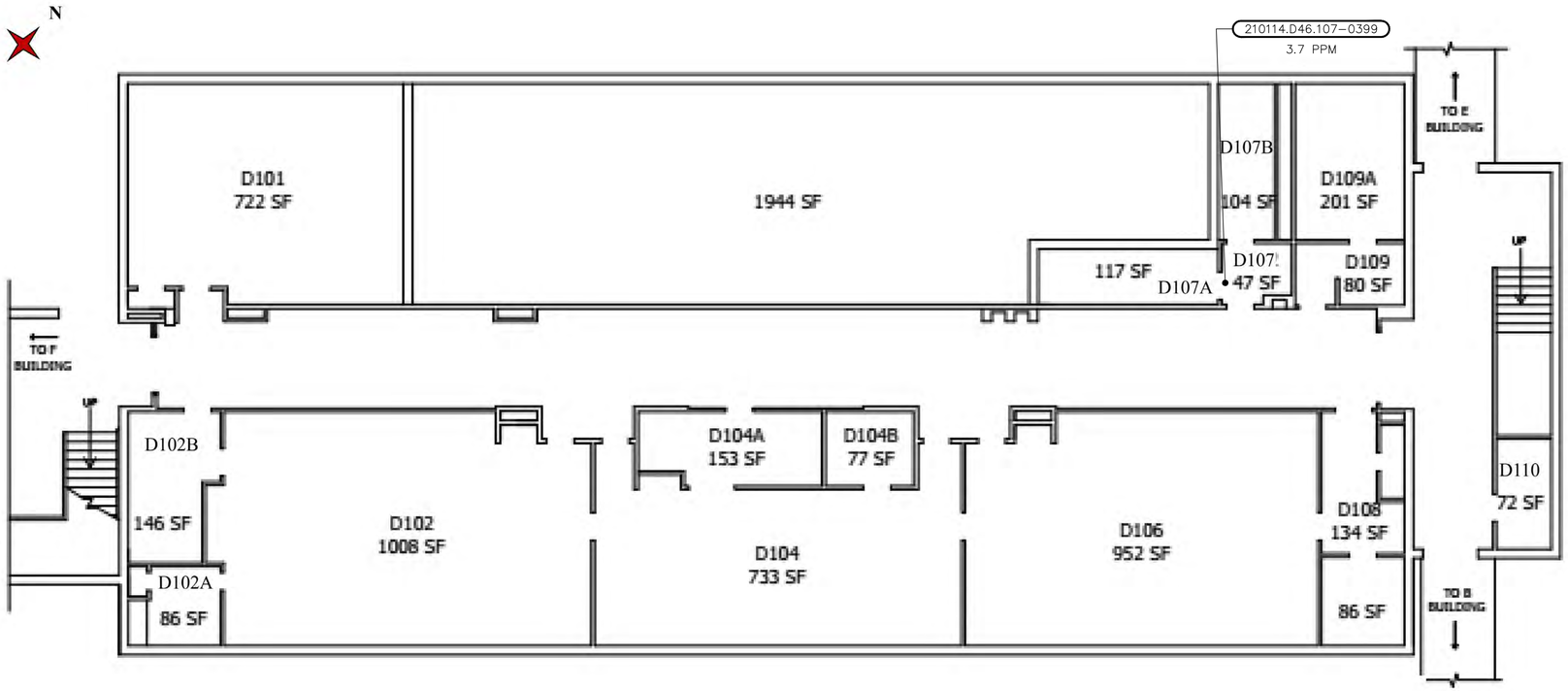
BURLINGTON SCHOOL DISTRICT
BUILDING D - 2ND FLOOR
TILE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021
HM-D2-13

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM06_BLDG_D.dwg Layout: HM-D2-13 Plotted: 2021-10-14 1:48 PM Saved: 2021-10-14 1:31 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING D – 1ST FLOOR
TILE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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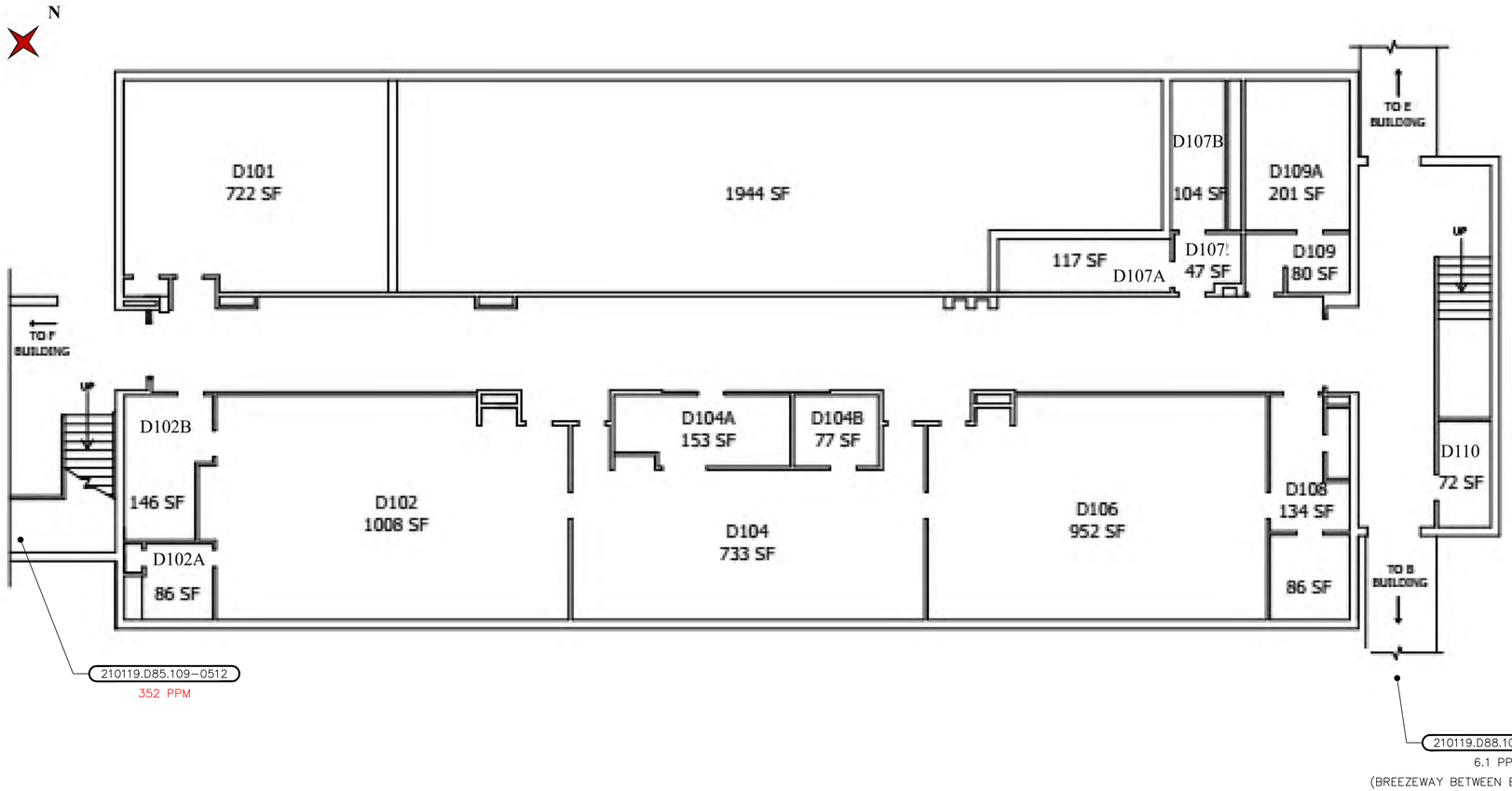
BURLINGTON SCHOOL DISTRICT
BUILDING D - 1ST FLOOR
TILE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-D1-13



BUILDING D – 1ST FLOOR
WINDOW GLAZING

NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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BURLINGTON SCHOOL DISTRICT

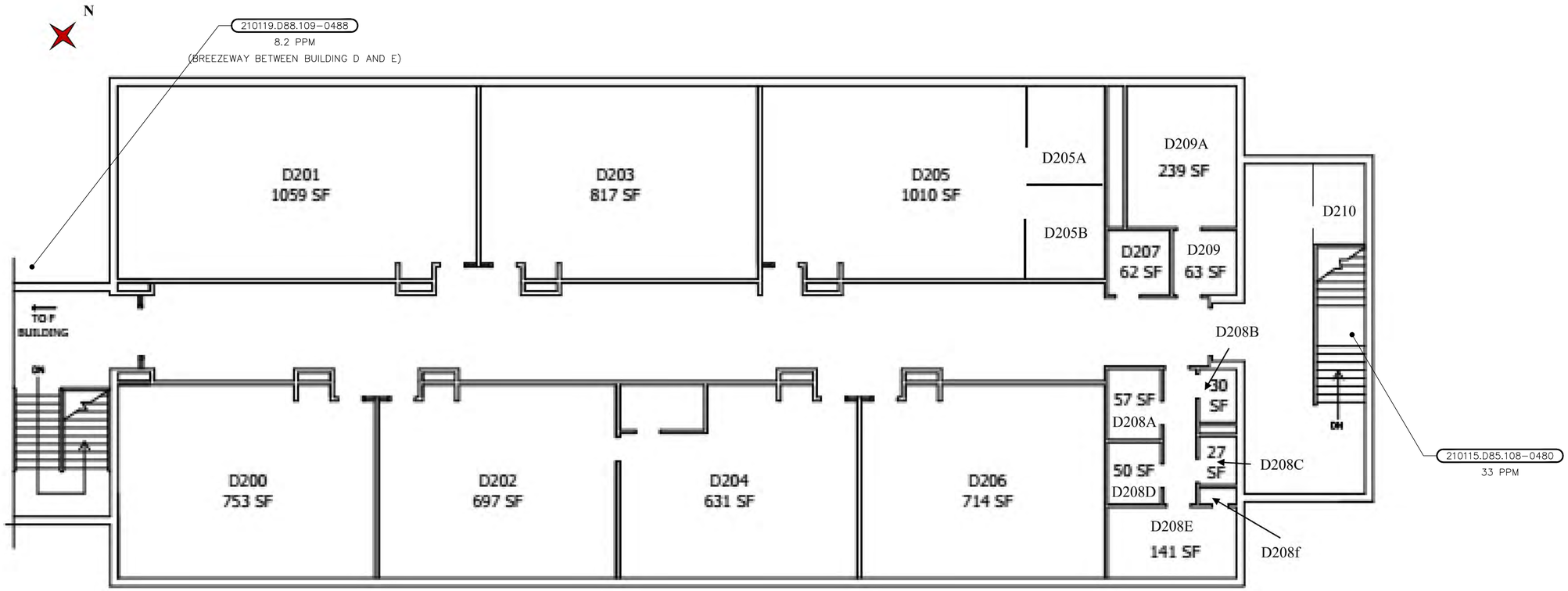
BUILDING D - 1ST FLOOR
WINDOW GLAZING PLAN

BHS PCB SITE INVESTIGATION

BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-D1-20



BUILDING D – 2ND FLOOR
WINDOW GLAZING
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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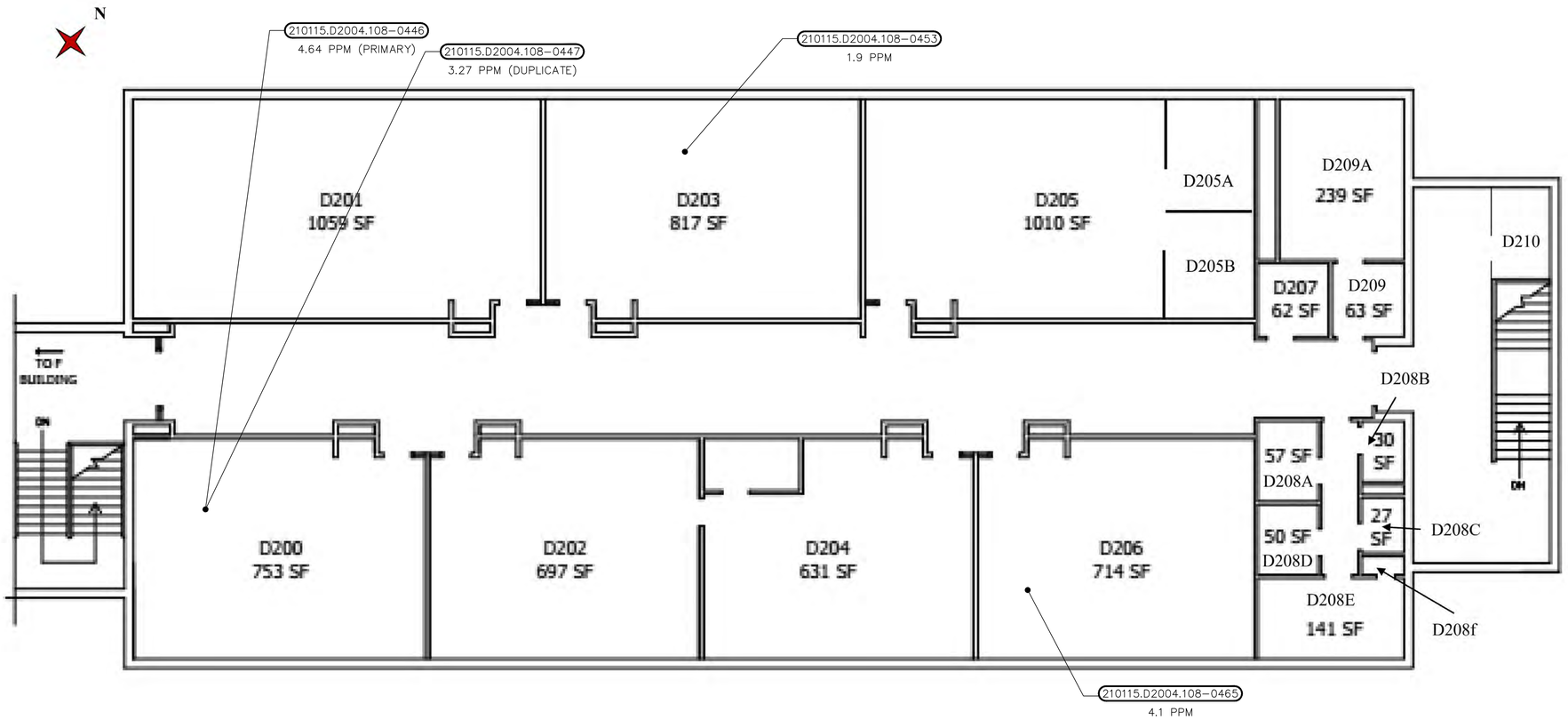
BURLINGTON SCHOOL DISTRICT
BUILDING D - 2ND FLOOR
WINDOW GLAZING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021
HM-D2-20

File: \\private\dfs\CadProj\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM06_BLDG_D.dwg Layout: HM-D2-20 Plotted: 2021-12-22 4:18 PM Saved: 2021-12-22 2:10 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING D – 2ND FLOOR
BULLETIN CHAULKBOARD ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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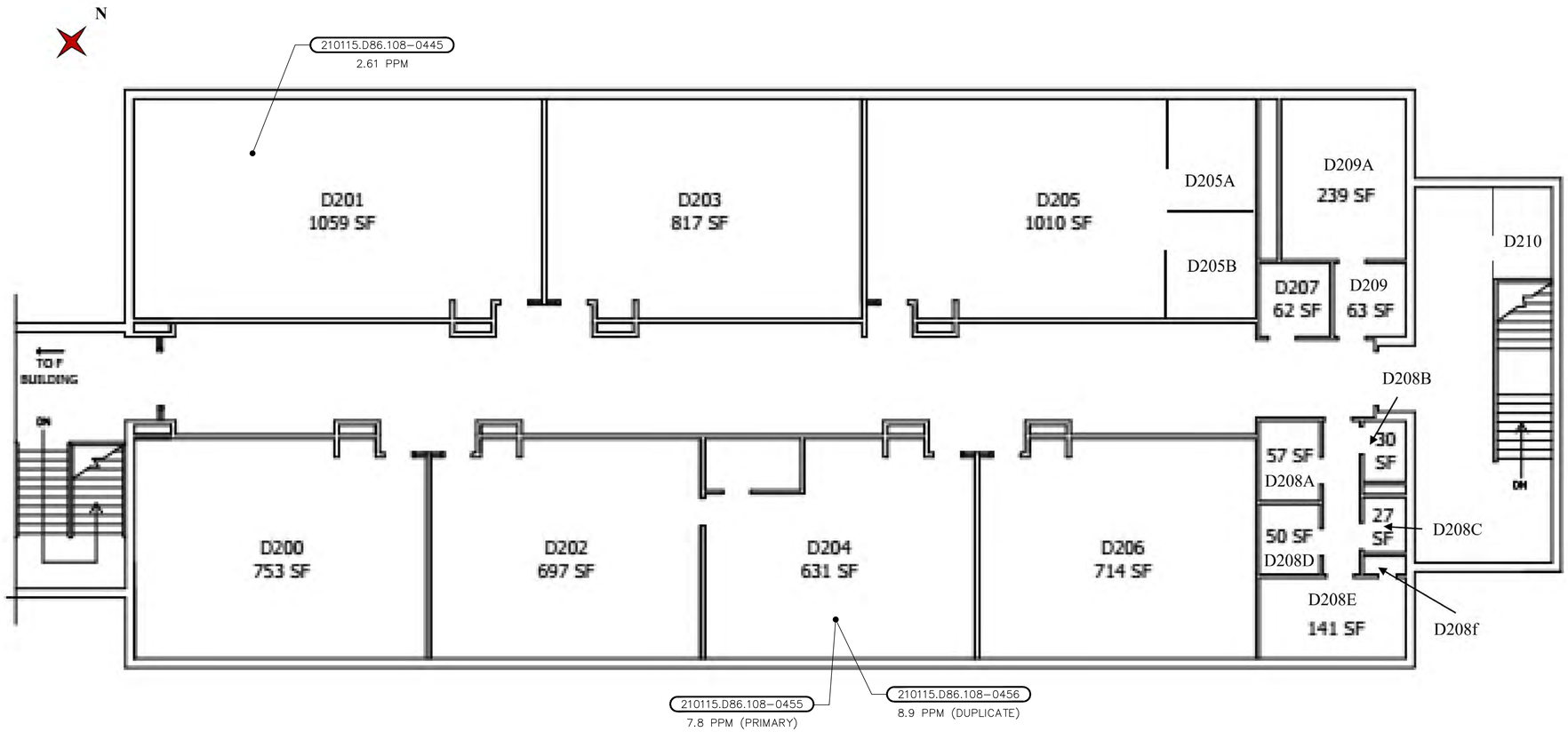
BURLINGTON SCHOOL DISTRICT
BUILDING D - 2ND FLOOR
BULLETIN CHAULKBOARD ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-D2-22

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM06_BLDG_D.dwg Layout: HM-D2-22 Plotted: 2021-10-14 1:53 PM Saved: 2021-10-14 1:49 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING D – 2ND FLOOR
HOMASOTE BOARD ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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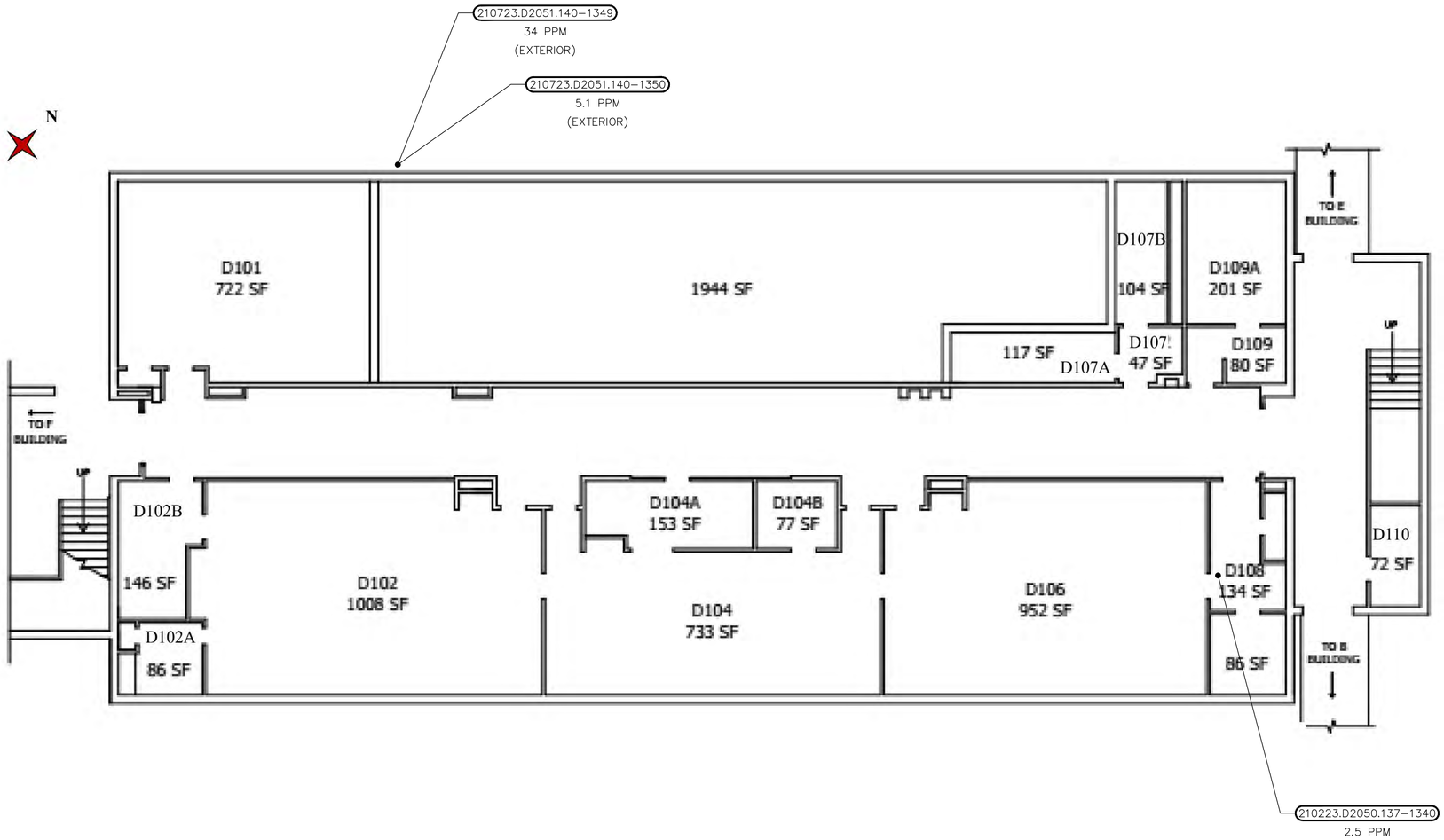
BURLINGTON SCHOOL DISTRICT
BUILDING D - 2ND FLOOR
HOMASOTE BOARD ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-D2-23



BUILDING D – 1ST FLOOR
VAPOR BARRIER
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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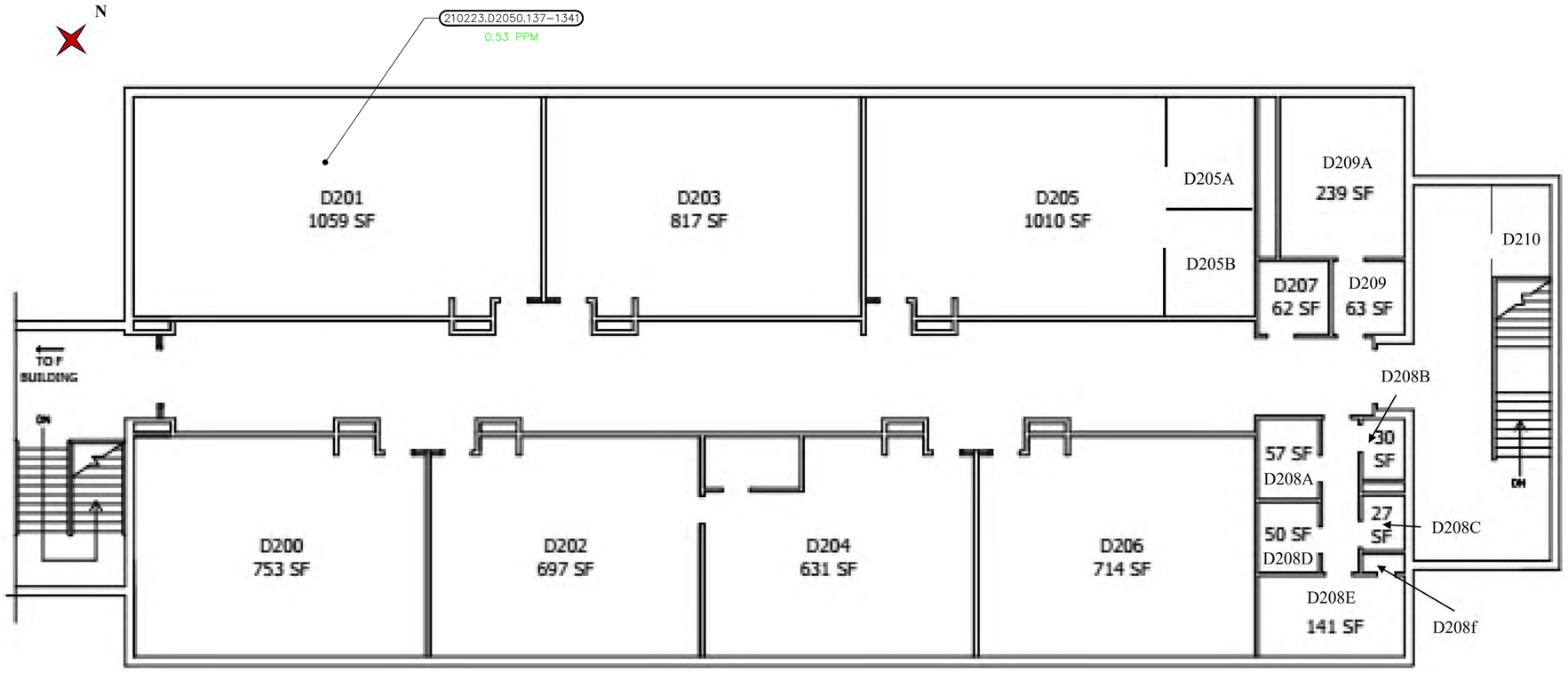
BURLINGTON SCHOOL DISTRICT
BUILDING D - 1ST FLOOR
VAPOR BARRIER PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-D1-34



BUILDING D – 2ND FLOOR
WINDOW GLAZING
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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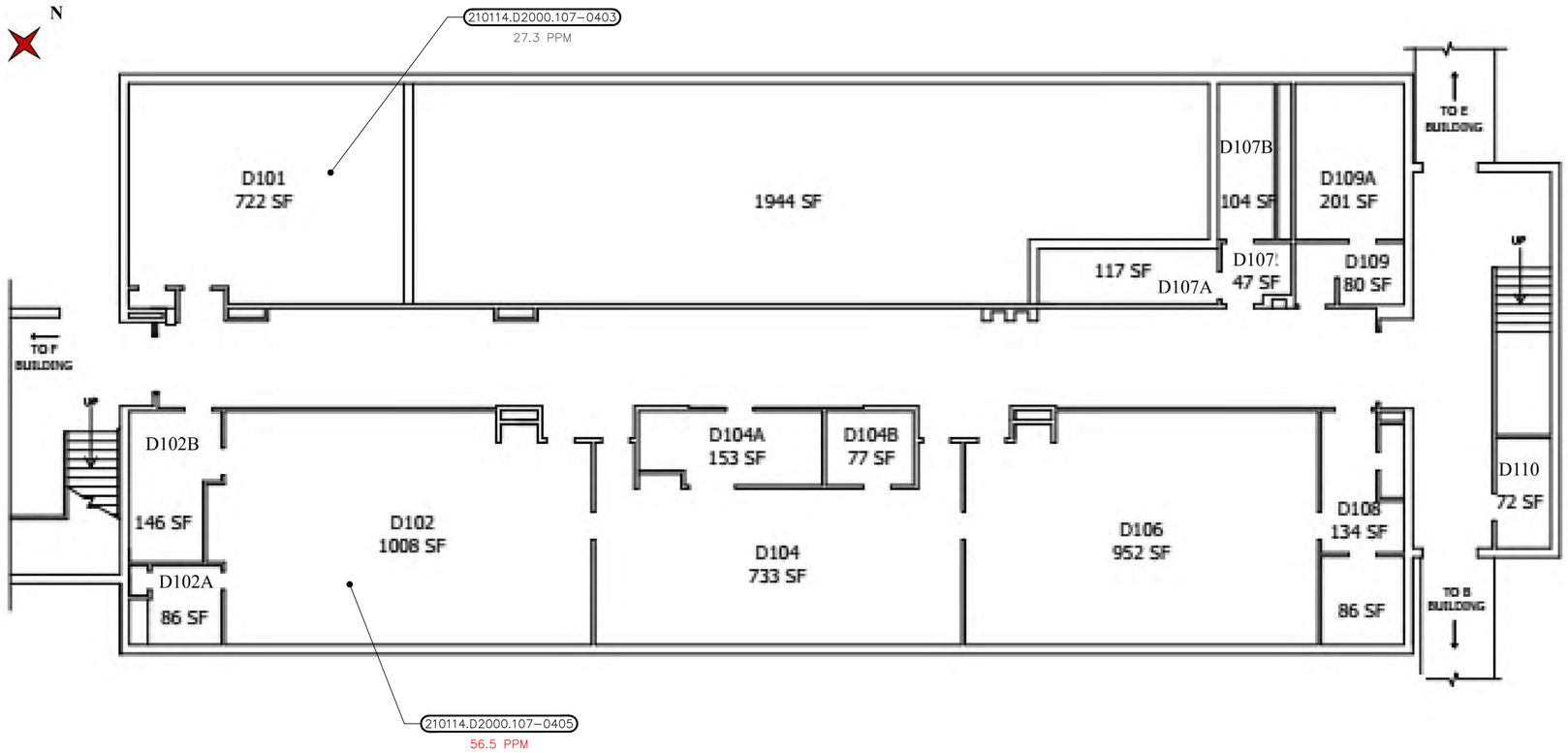
BURLINGTON SCHOOL DISTRICT
BUILDING D - 2ND FLOOR
WINDOW GLAZING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-D2-34



BUILDING D – 1ST FLOOR
CMU TO PLASTER WALL CAULKING MATERIAL
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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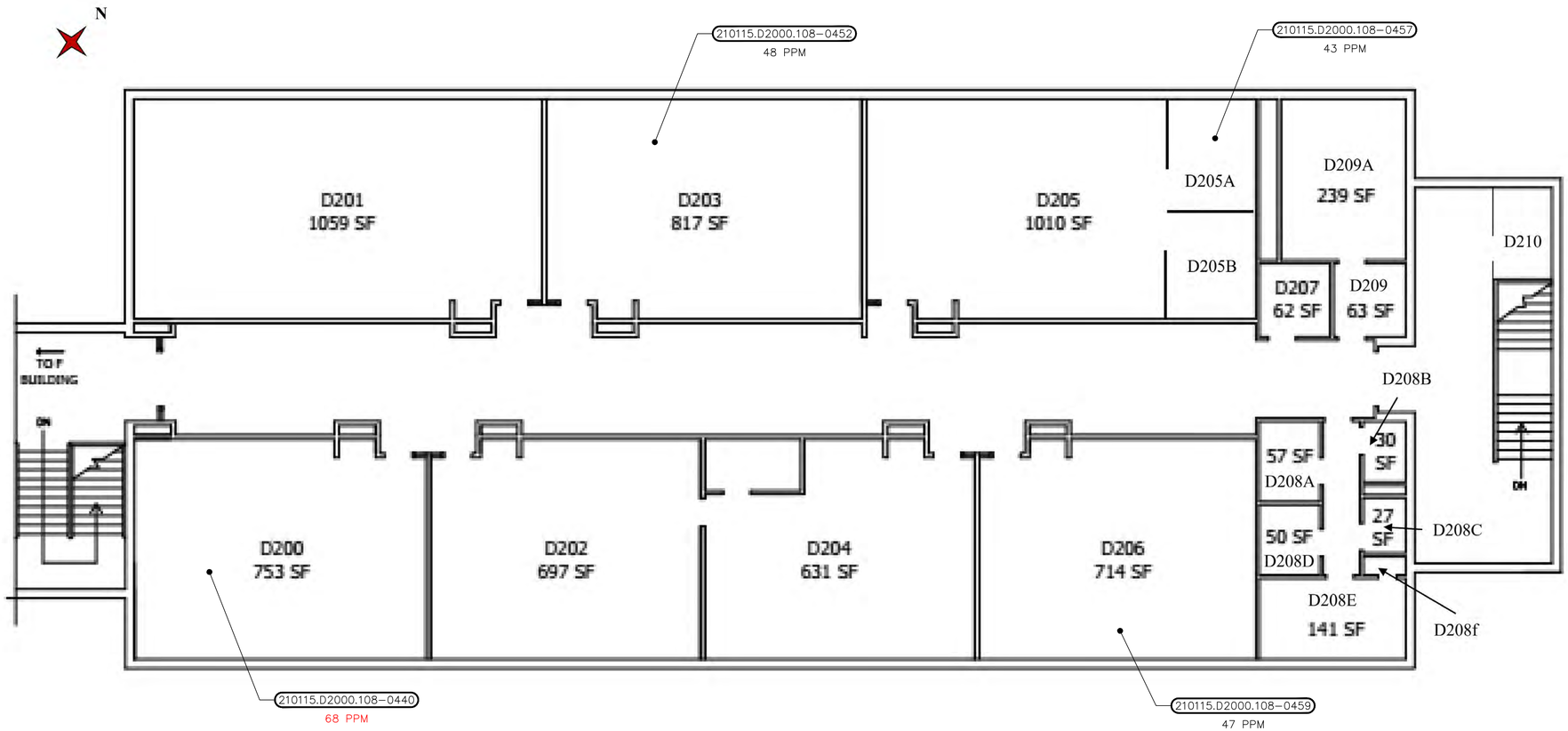
BURLINGTON SCHOOL DISTRICT
BUILDING D - 1ST FLOOR
CMU TO PLASTER WALL CAULKING
MATERIAL PLAN
BHS PCB SITE INVESTIGATION

BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-D1-39

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM06_BLDG_D.dwg Layout: HM-D1-39 Plotted: 2021-12-30 3:20 PM Saved: 2021-12-30 3:17 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING D – 2ND FLOOR
CMU TO PLASTER WALL CAULKING MATERIAL
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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BURLINGTON SCHOOL DISTRICT
BUILDING D - 2ND FLOOR
CMU TO PLASTER WALL CAULKING
MATERIAL PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

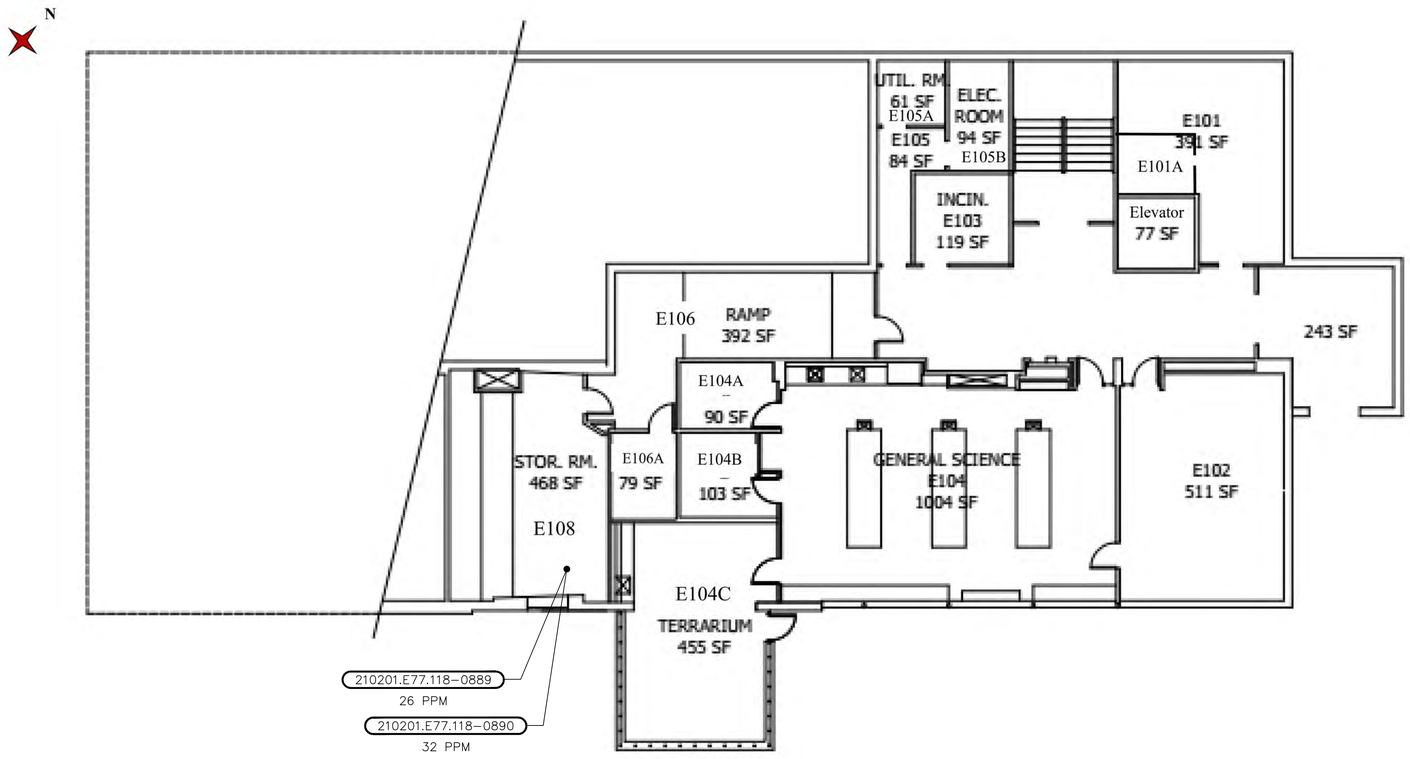
PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-D2-39

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM06_BLDG_D.dwg Layout: HM-D2-39 Plotted: 2021-12-30 3:31 PM Saved: 2021-12-30 3:29 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:

Building E

Bulk and Substrate Plans



BUILDING E – 1ST FLOOR
CARPET MASTIC
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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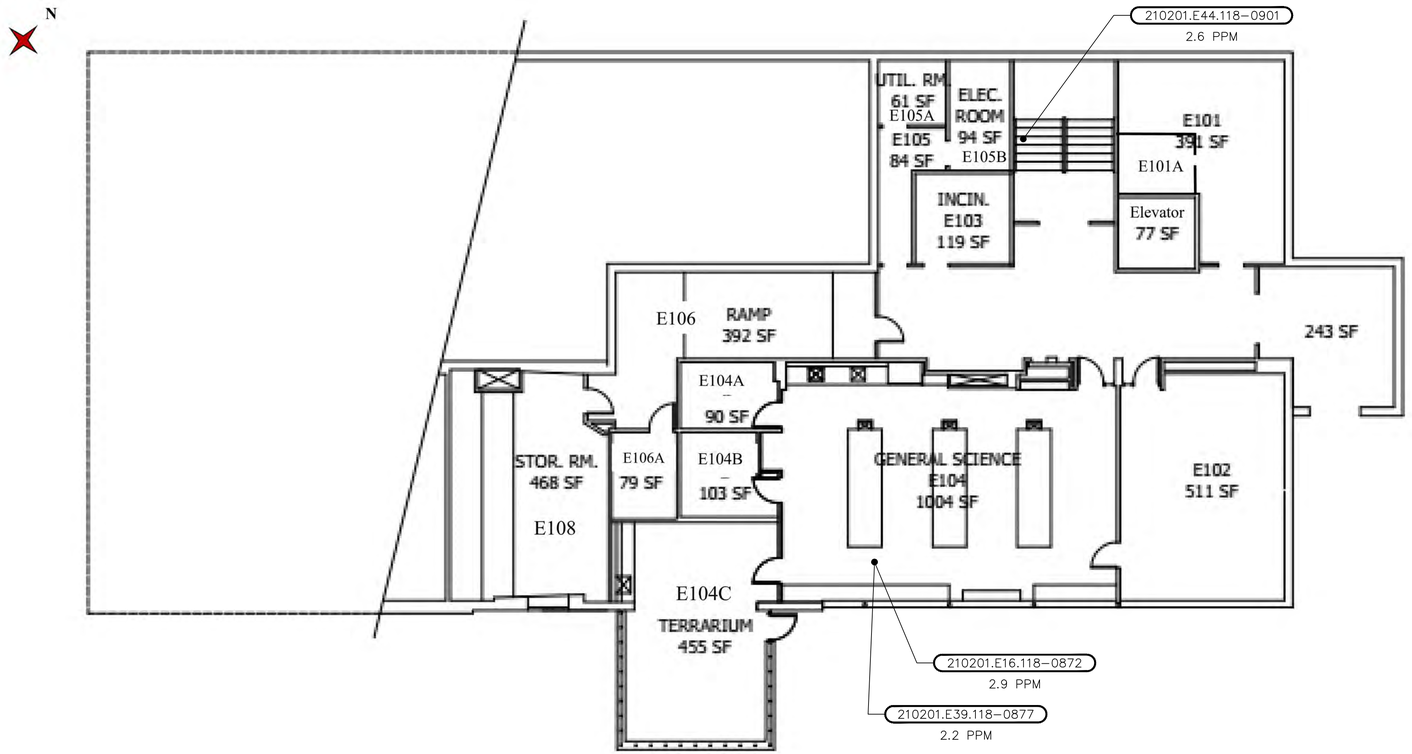
BURLINGTON SCHOOL DISTRICT
BUILDING E - 1ST FLOOR
CARPET MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E1-1

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM07_BLDG_E.dwg Layout: HM-E1-1 Plotted: 2021-10-14 2:03 PM Saved: 2021-10-13 3:09 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 1ST FLOOR
COVE BASE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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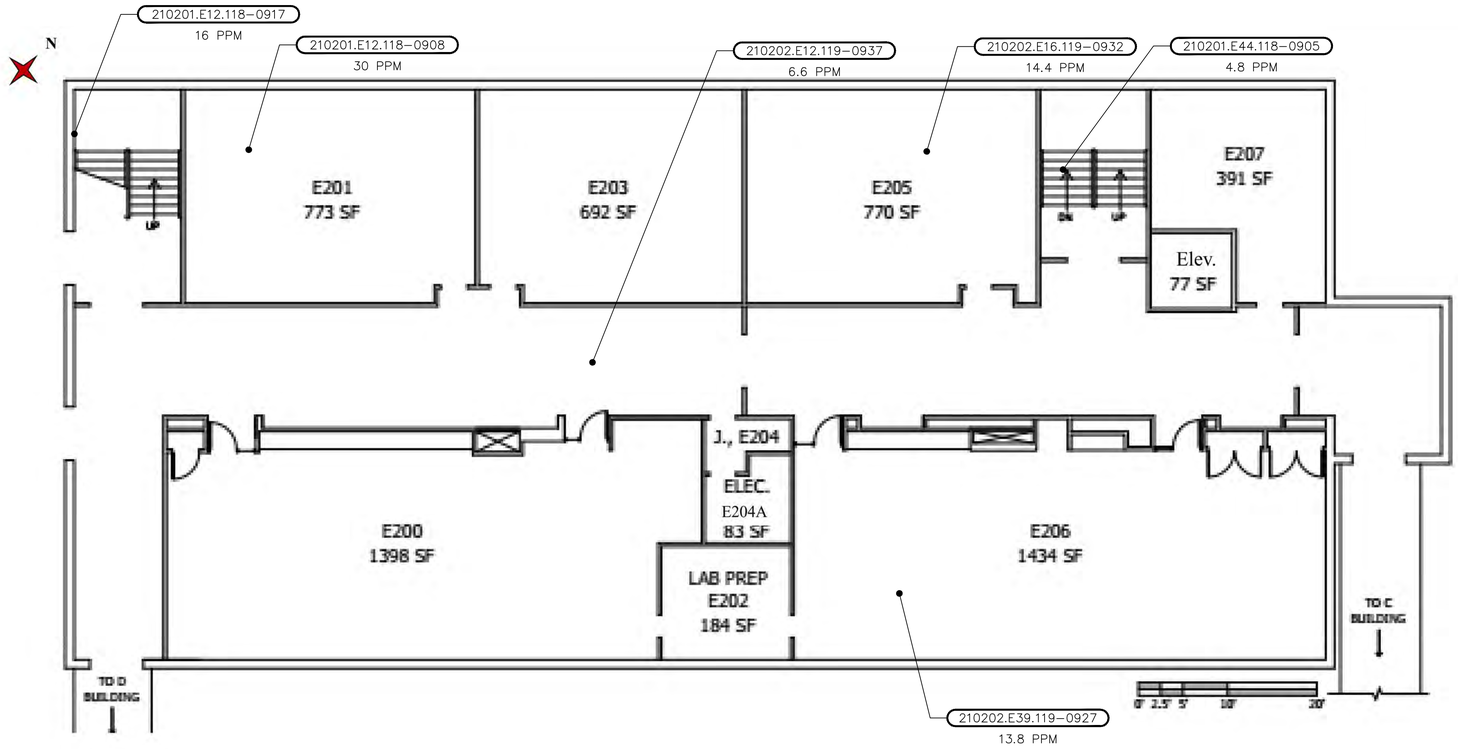
BURLINGTON SCHOOL DISTRICT
BUILDING E - 1ST FLOOR
COVE BASE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E1-3

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM07_BLDG_E.dwg Layout: HM-E1-3 Plotted: 2021-10-14 2:05 PM Saved: 2021-10-13 3:09 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 2ND FLOOR
COVE BASE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

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SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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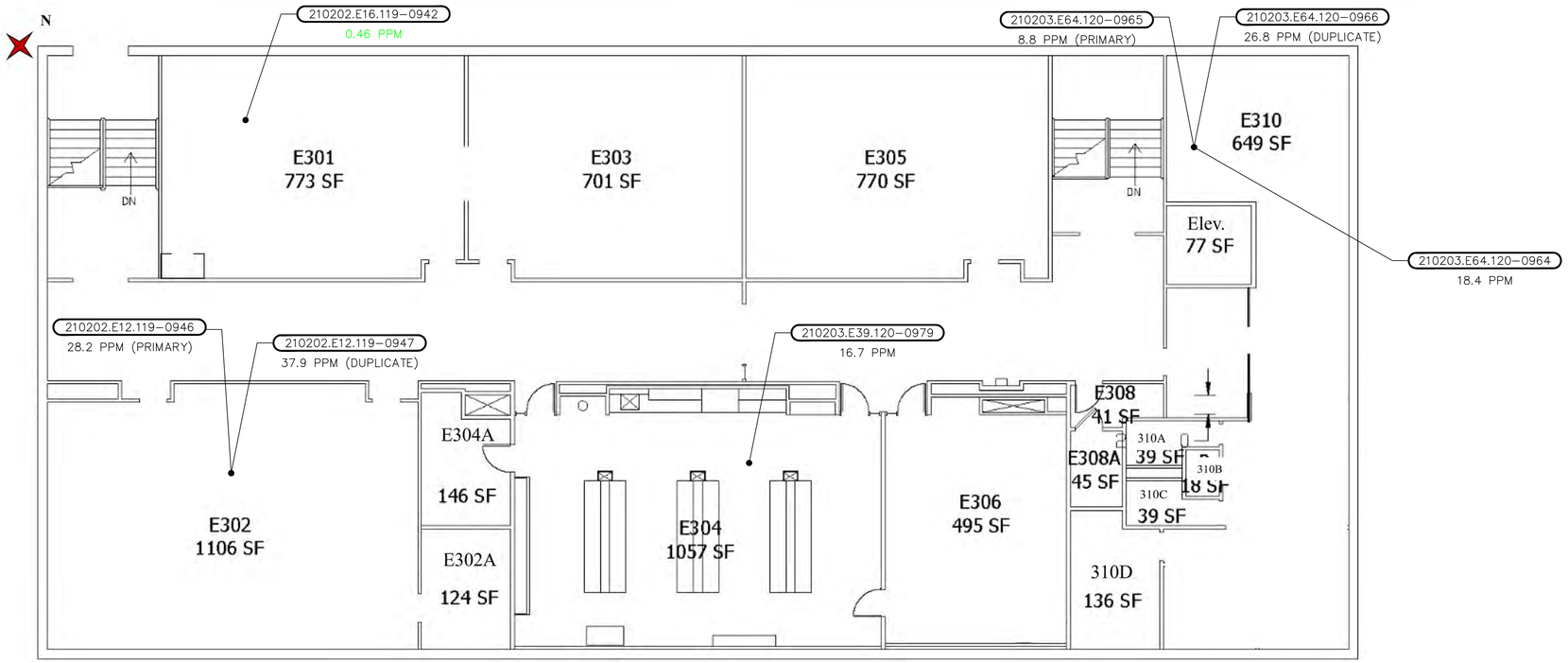
BURLINGTON SCHOOL DISTRICT
BUILDING E - 2ND FLOOR
COVE BASE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E2-3

File: J:\DWG\P2019\1400A10\EnvironmentalPlan\Bulk Sampling\20191400A10_SAM07_BLDG_E.dwg Layout: HM-E2-3 Plotted: 2021-10-14 2:07 PM Saved: 2021-10-13 3:09 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 3RD FLOOR
COVE BASE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
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52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

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DATUM:
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VERT.:
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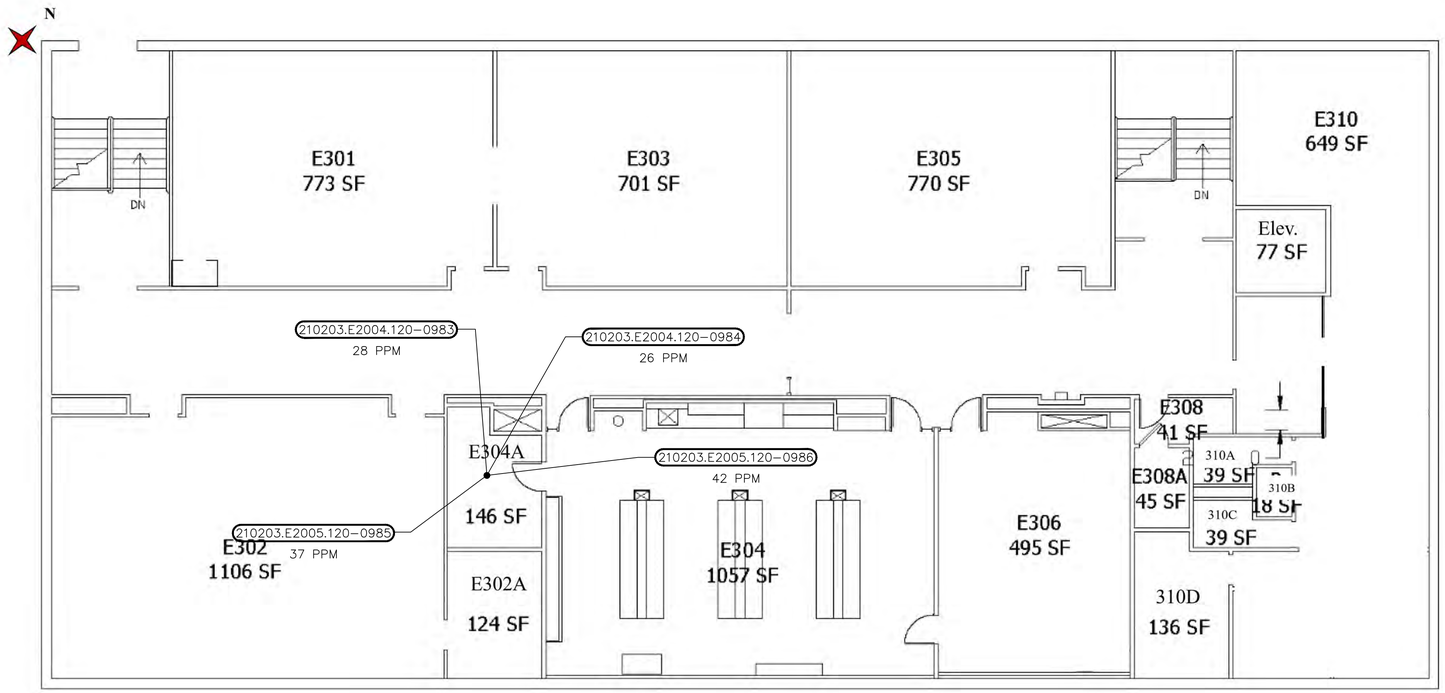
BURLINGTON SCHOOL DISTRICT
BUILDING E - 3RD FLOOR
COVE BASE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E3-3

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM07_BLDG_E.dwg Layout: HM-E3-3 Plotted: 2021-10-14 2:10 PM Saved: 2021-10-14 2:08 PM User: SMcWhirter
MS VIEW: LAYER STATE: PC3: NONE STB/CTB: FO.STB



BUILDING E – 3RD FLOOR
DUCT SEAM SEALANT
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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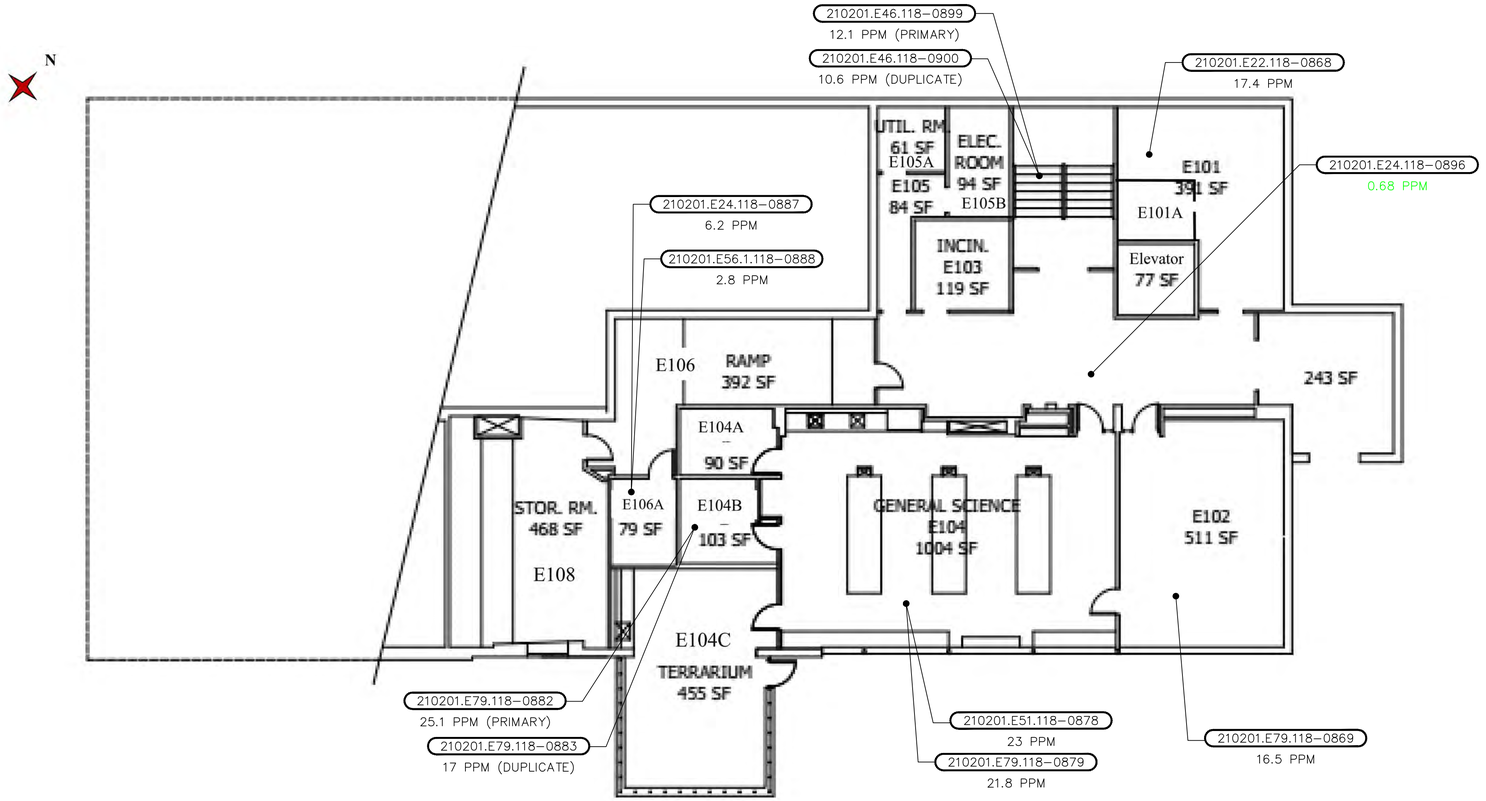
BURLINGTON SCHOOL DISTRICT
BUILDING E - 3RD FLOOR
DUCT SEAM SEALANT PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E3-4

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM07_BLDG_E.dwg Layout: HM-E3-4 Plotted: 2021-10-14 2:12 PM Saved: 2021-10-14 2:08 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 1ST FLOOR
FLOOR TILE MASTIC
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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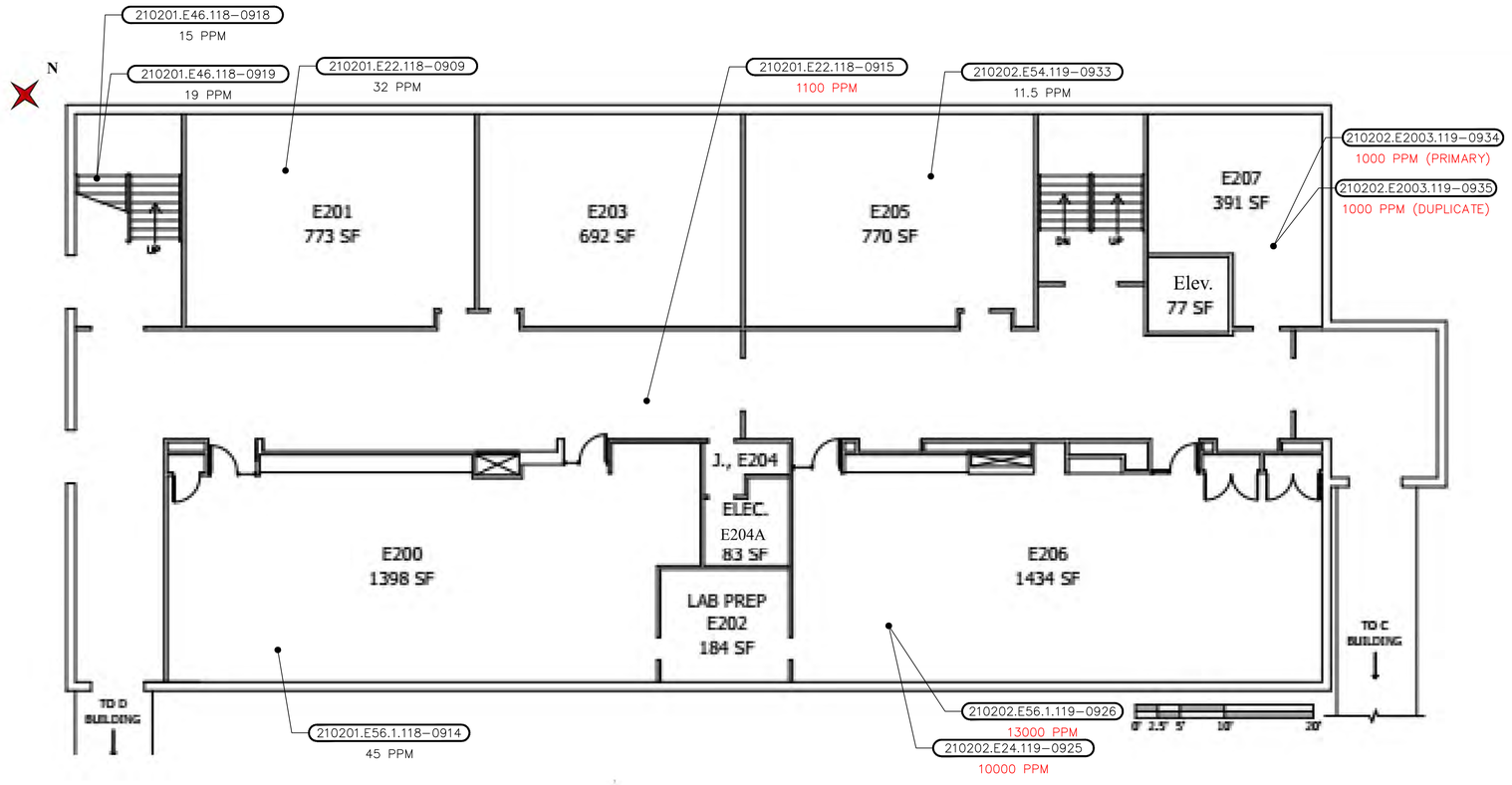
BURLINGTON SCHOOL DISTRICT
BUILDING E - 1ST FLOOR
FLOOR TILE MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021
HM-E1-5

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM07_BLDG_E.dwg Layout: HM-E1-5 Plotted: 2021-10-14 2:13 PM Saved: 2021-10-14 2:08 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 2ND FLOOR
FLOOR TILE MASTIC
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
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52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

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SCALE:
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VERT.:
DATUM:
HORZ.:
VERT.:
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GRAPHIC SCALE

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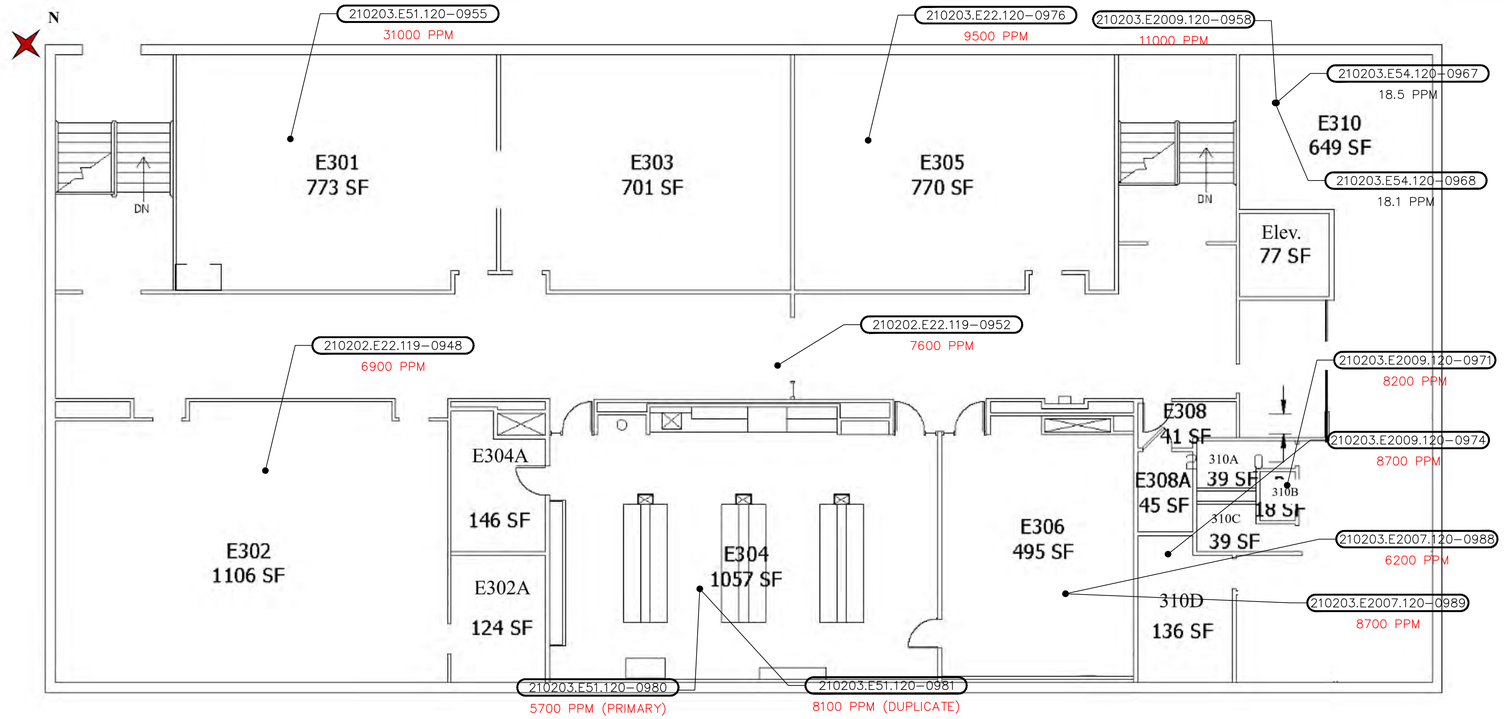
BURLINGTON SCHOOL DISTRICT
BUILDING E - 2ND FLOOR
FLOOR TILE MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E2-5

File: J:\DWG\P2019\14400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM07_BLDG_E.dwg Layout: HM-E2-5 Plotted: 2021-10-14 2:14 PM Saved: 2021-10-14 2:08 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 3RD FLOOR
FLOOR TILE MASTIC
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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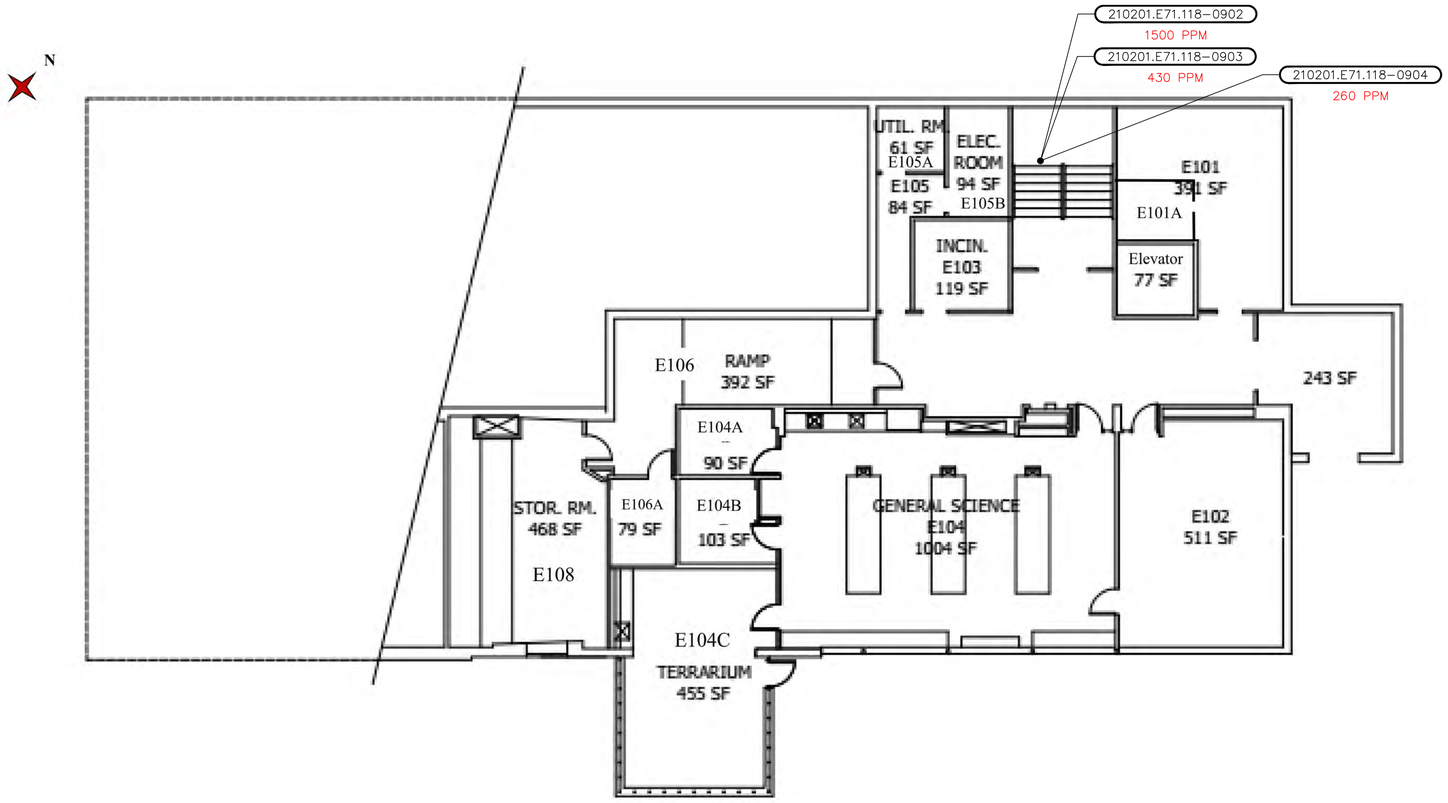
BURLINGTON SCHOOL DISTRICT
BUILDING E - 3RD FLOOR
FLOOR TILE MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E3-5

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM07_BLDG_E.dwg Layout: HM-E3-5 Plotted: 2021-10-14 2:15 PM Saved: 2021-10-14 2:08 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 1ST FLOOR
STAIR TREAD RISER
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

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SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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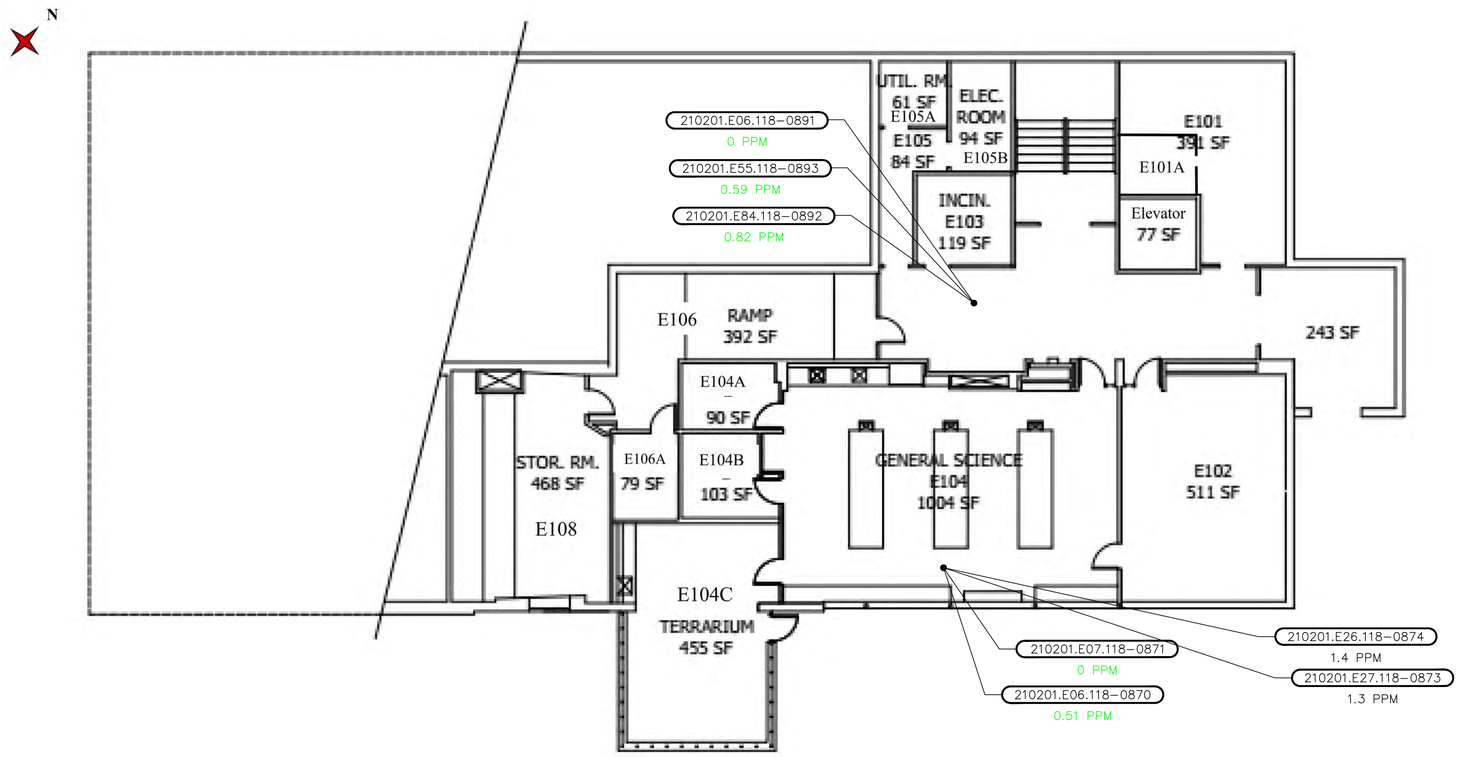
BURLINGTON SCHOOL DISTRICT
BUILDING E - 1ST FLOOR
STAIR TREAD RISER PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E1-11

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM07_BLDG_E.dwg Layout: HM-E1-11 Plotted: 2021-10-14 2:16 PM Saved: 2021-10-14 2:08 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 1ST FLOOR
SUSPENDED CEILING TILE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
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52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

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SCALE:
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GRAPHIC SCALE

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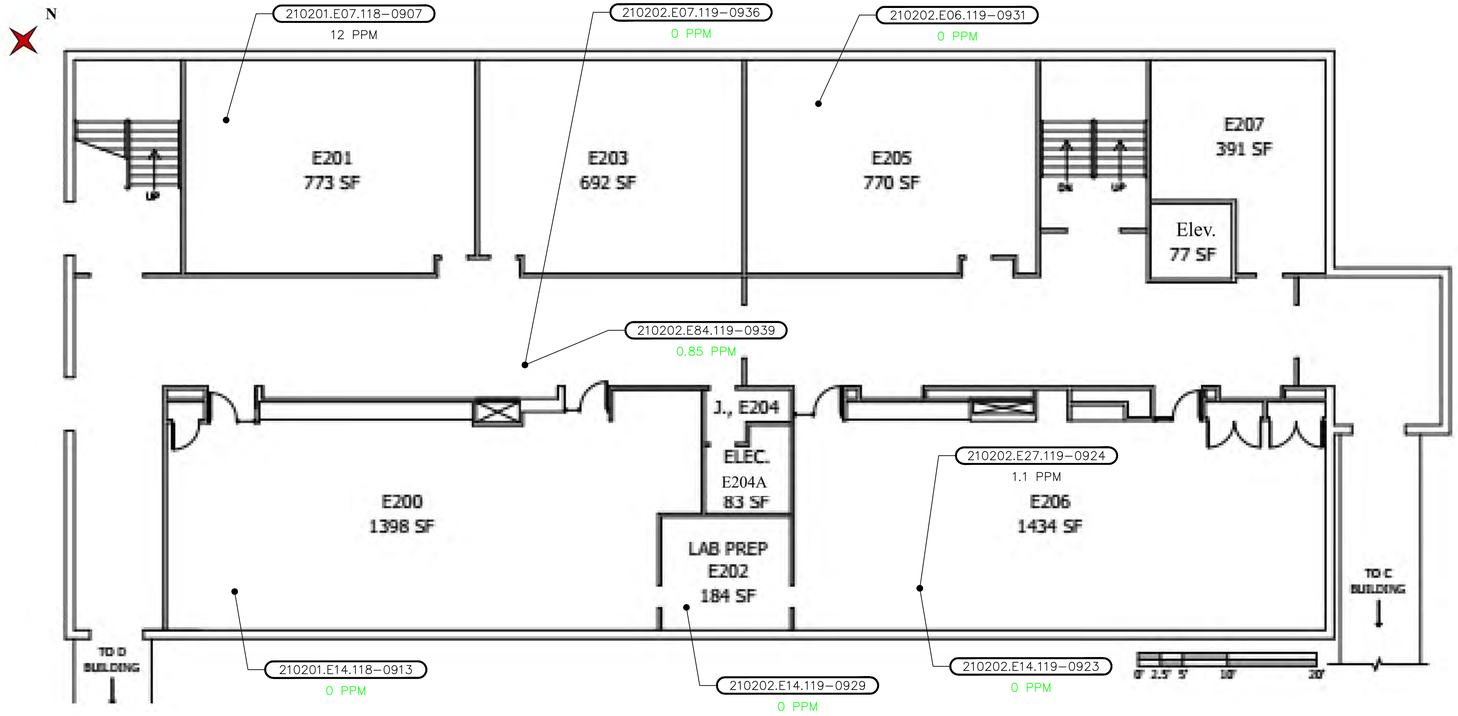
BURLINGTON SCHOOL DISTRICT
BUILDING E - 1ST FLOOR
SUSPENDED CEILING TILE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E1-12

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM07_BLDG_E.dwg Layout: HM-E1-12 Plotted: 2021-10-14 2:17 PM Saved: 2021-10-14 2:08 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 2ND FLOOR
SUSPENDED CEILING TILE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
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SCALE:
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GRAPHIC SCALE

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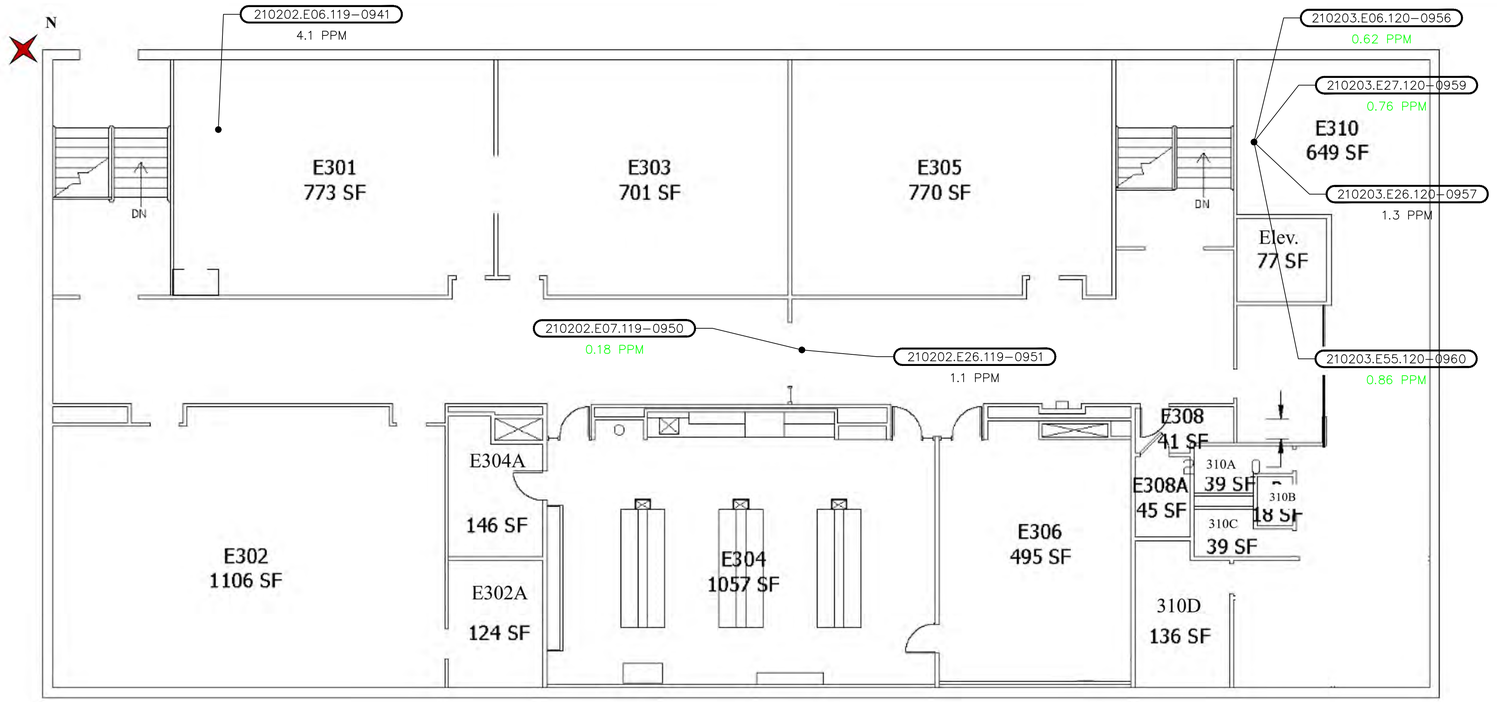
BURLINGTON SCHOOL DISTRICT
BUILDING E - 2ND FLOOR
SUSPENDED CEILING TILE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E2-12

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM07_BLDG_E.dwg Layout: HM-E2-12 Plotted: 2021-10-14 2:17 PM Saved: 2021-10-14 2:08 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 3RD FLOOR
SUSPENDED CEILING TILE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
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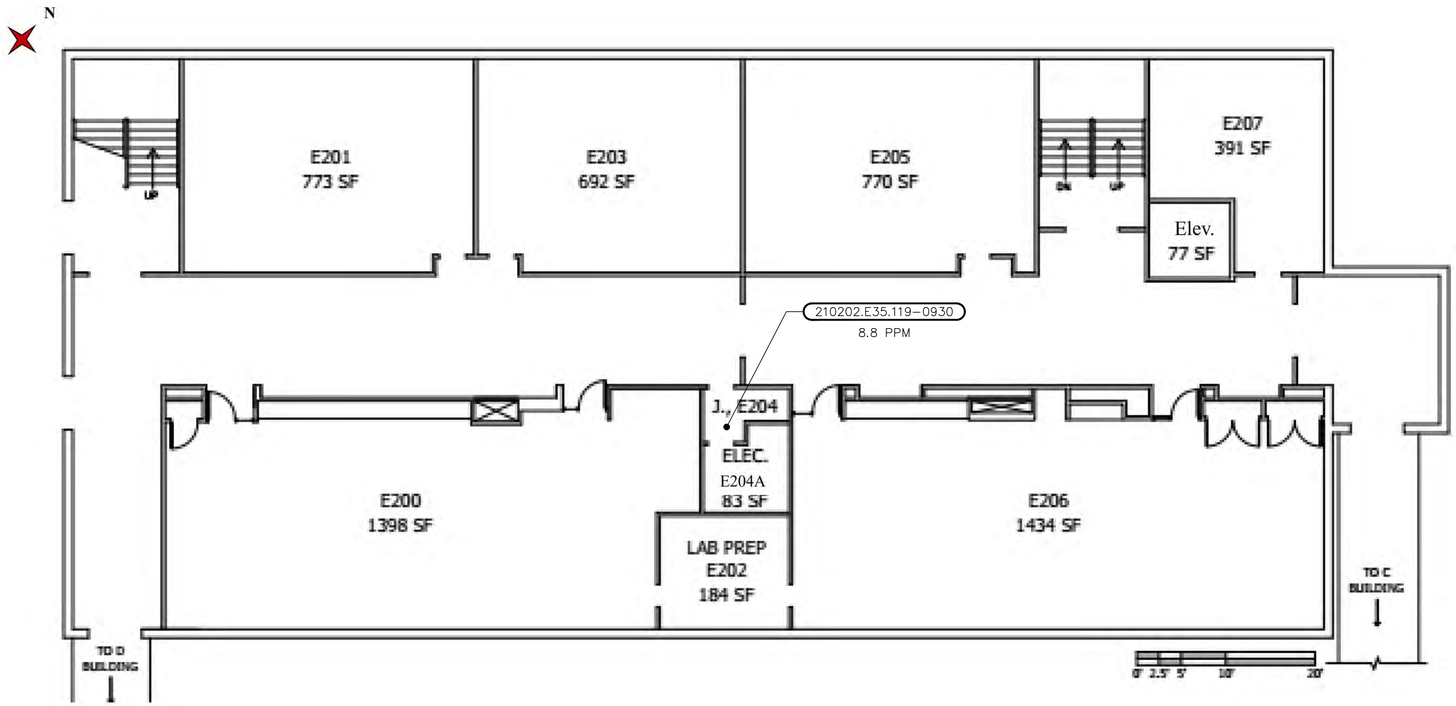
BURLINGTON SCHOOL DISTRICT
BUILDING E - 3RD FLOOR
SUSPENDED CEILING TILE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E3-12

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM07_BLDG_E.dwg Layout: HM-E3-12 Plotted: 2021-10-14 2:18 PM Saved: 2021-10-14 2:08 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 2ND FLOOR
TILE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

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SCALE:
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DATUM:
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VERT.:
0
GRAPHIC SCALE

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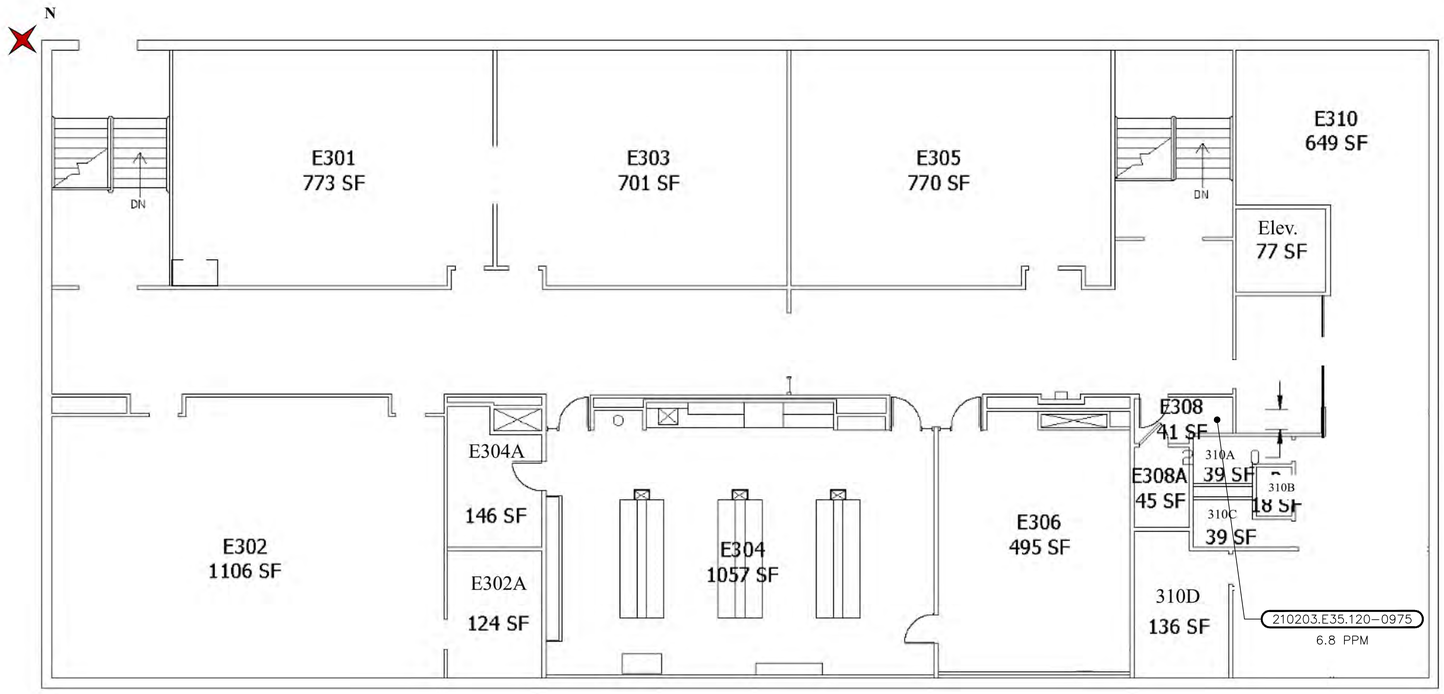
BURLINGTON SCHOOL DISTRICT
BUILDING E - 2ND FLOOR
TILE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E2-13

File: J:\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM07_BLDG_E.dwg Layout: HM-E2-13 Plotted: 2021-10-14 2:19 PM Saved: 2021-10-14 2:08 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 3RD FLOOR
TILE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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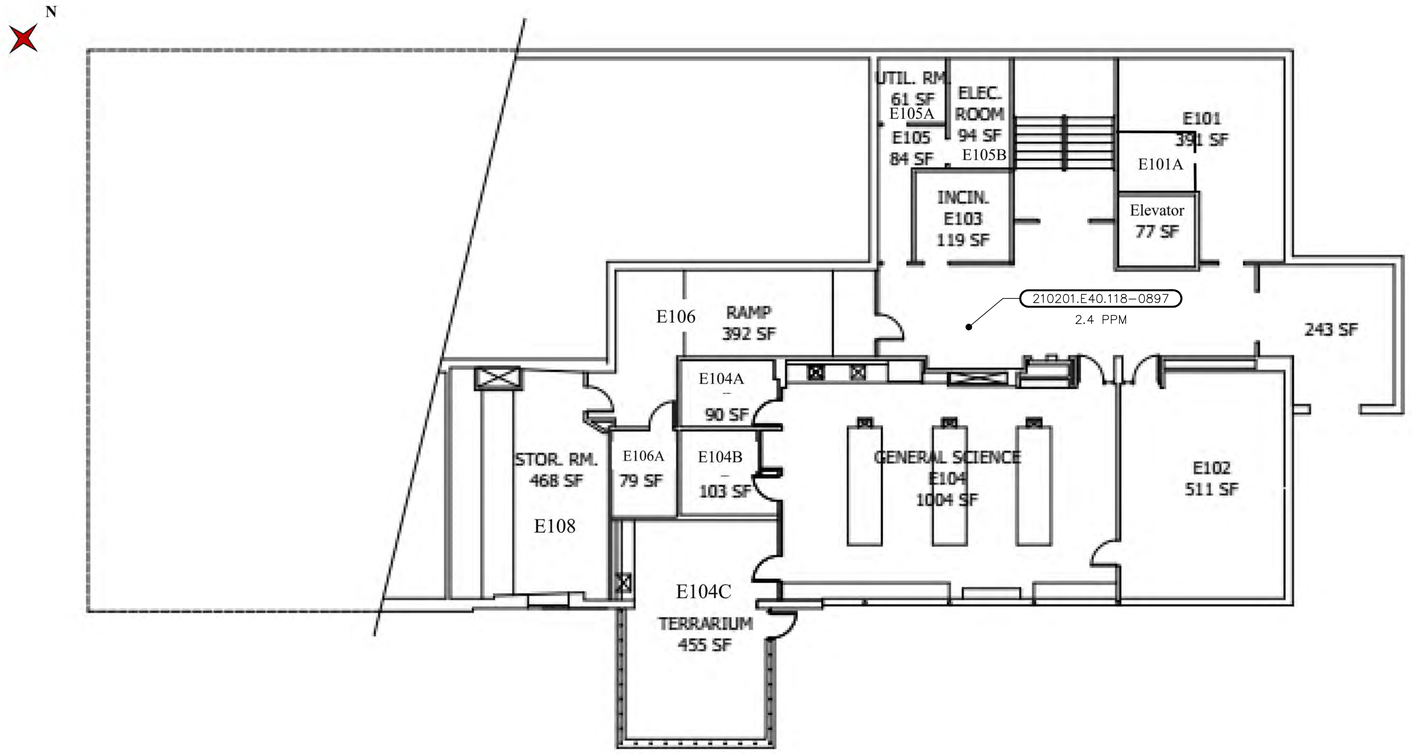
BURLINGTON SCHOOL DISTRICT
BUILDING E - 3RD FLOOR
TILE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E3-13



BUILDING E – 1ST FLOOR
WINDOW GLAZING
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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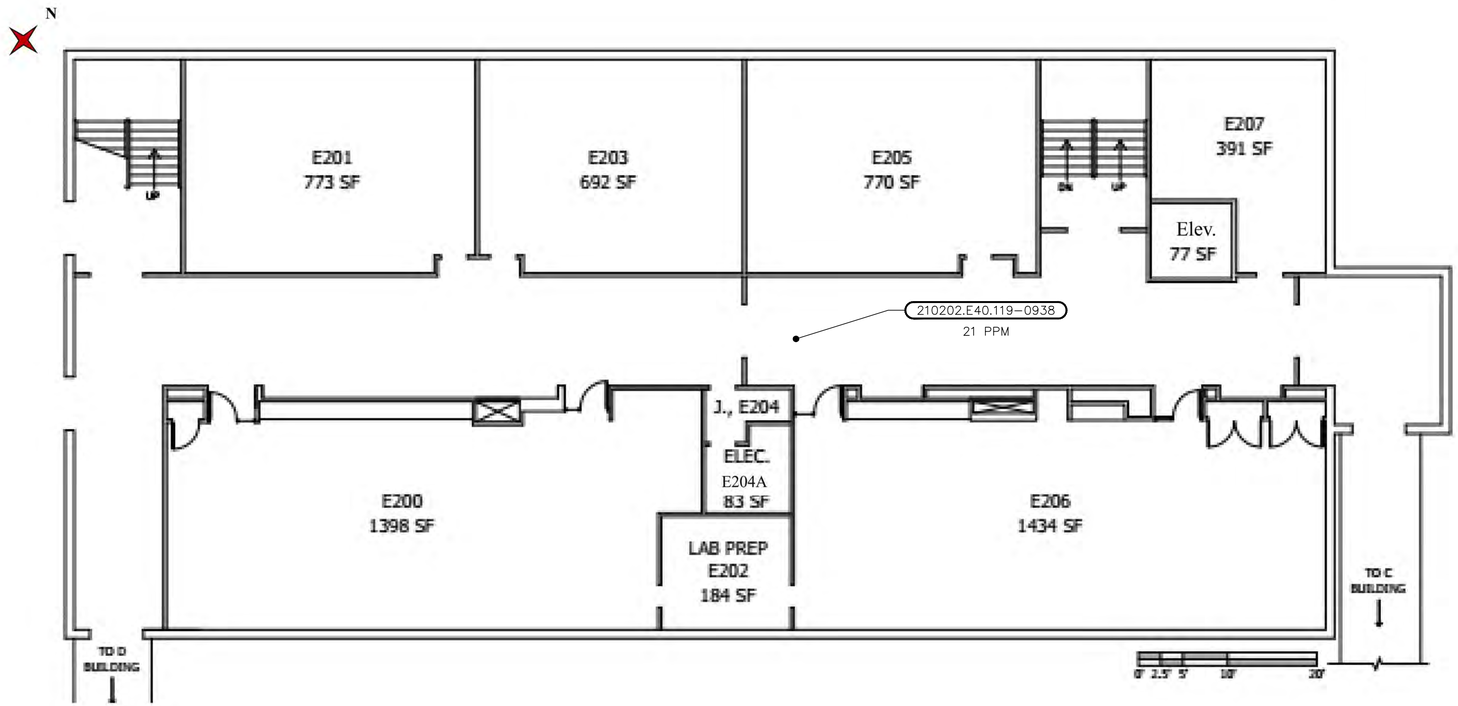
BURLINGTON SCHOOL DISTRICT
BUILDING E - 1ST FLOOR
WINDOW GLAZING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E1-20

File: J:\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM08_BLDG_E.dwg Layout: HM-E1-20 Plotted: 2021-10-14 2:27 PM Saved: 2021-10-13 3:19 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 2ND FLOOR
WINDOW GLAZING
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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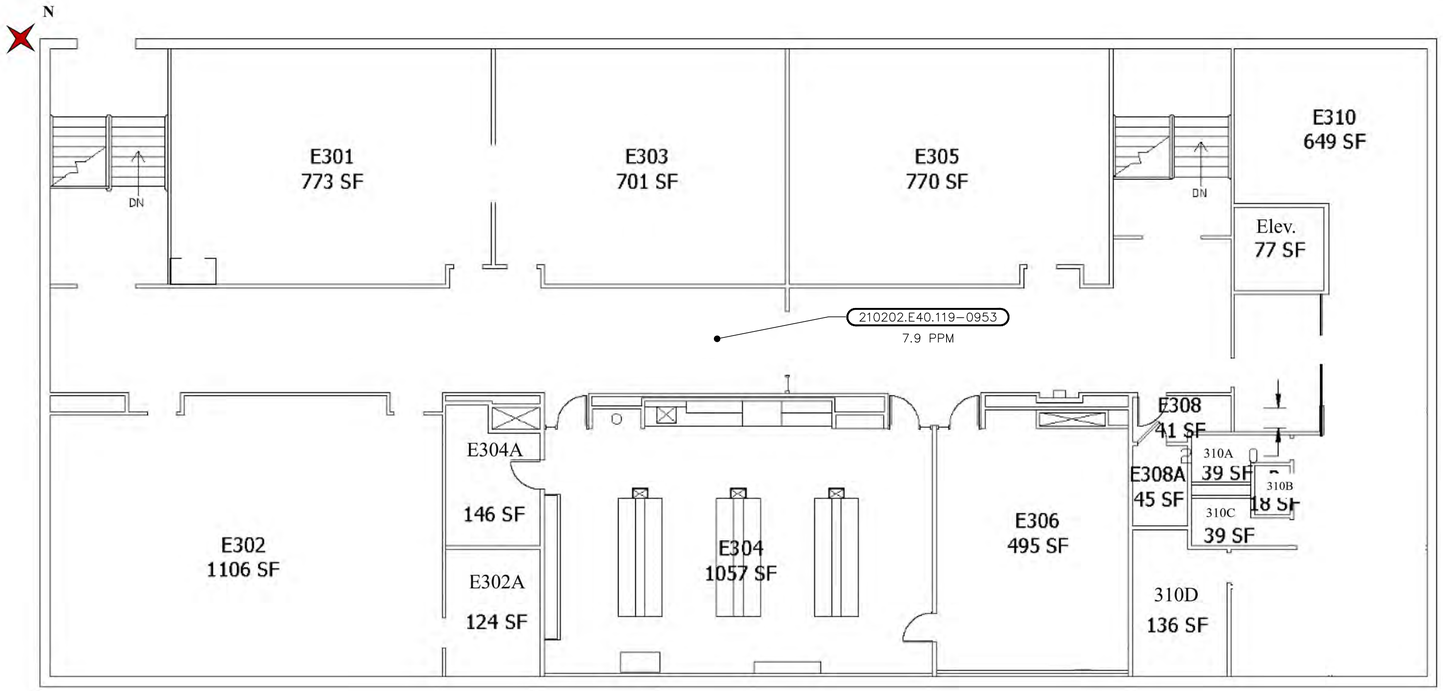
BURLINGTON SCHOOL DISTRICT
BUILDING E - 2ND FLOOR
WINDOW GLAZING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E2-20

File: J:\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM08_BLDG_E.dwg Layout: HM-E2-20 Plotted: 2021-10-14 2:27 PM Saved: 2021-10-13 3:19 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 3RD FLOOR
WINDOW GLAZING
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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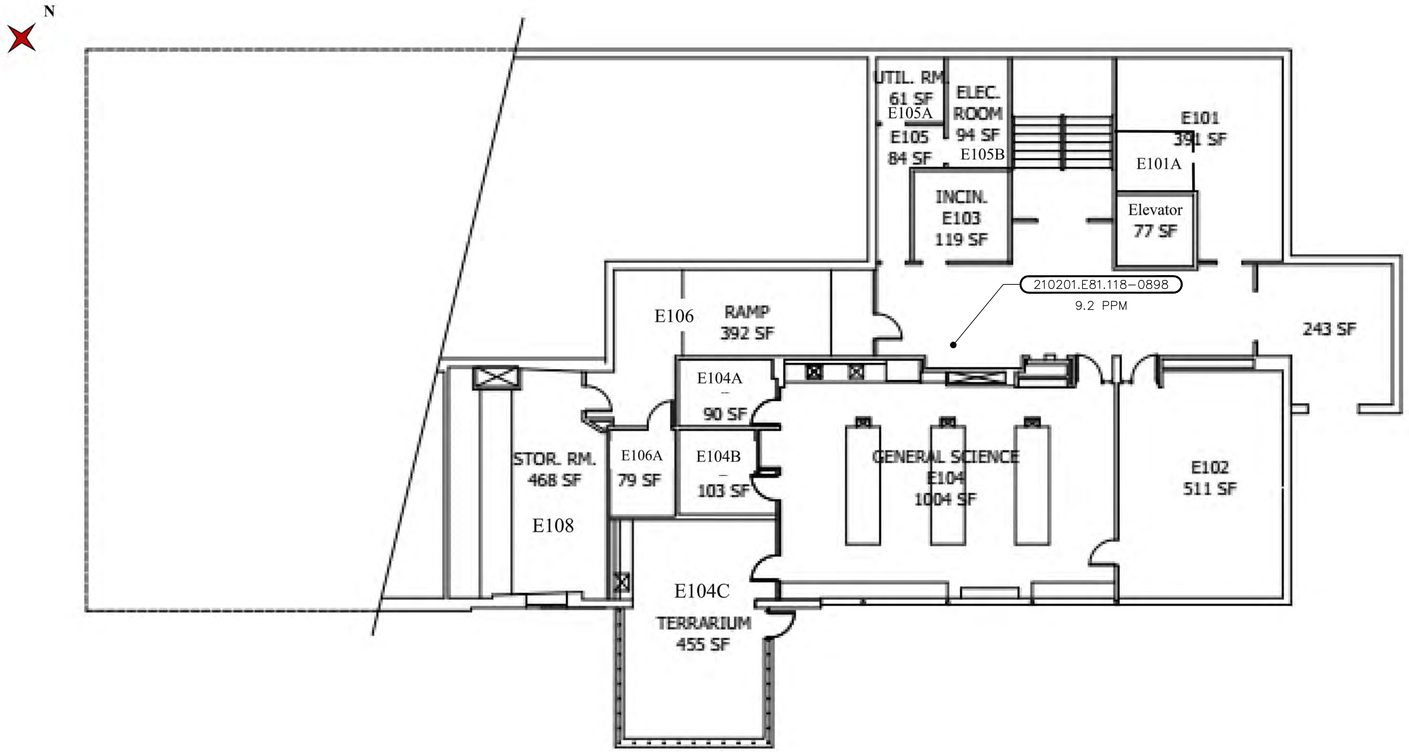
BURLINGTON SCHOOL DISTRICT
BUILDING E - 3RD FLOOR
WINDOW GLAZING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E3-20

File: J:\DWG\P2019\1400A\10\Environmental\Plan\Bulk Sampling\20191400A10_SAM08_BLDG_E.dwg Layout: HM-E3-20 Plotted: 2021-10-14 2:28 PM Saved: 2021-10-13 3:19 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 1ST FLOOR
DOOR WINDOW GLAZING
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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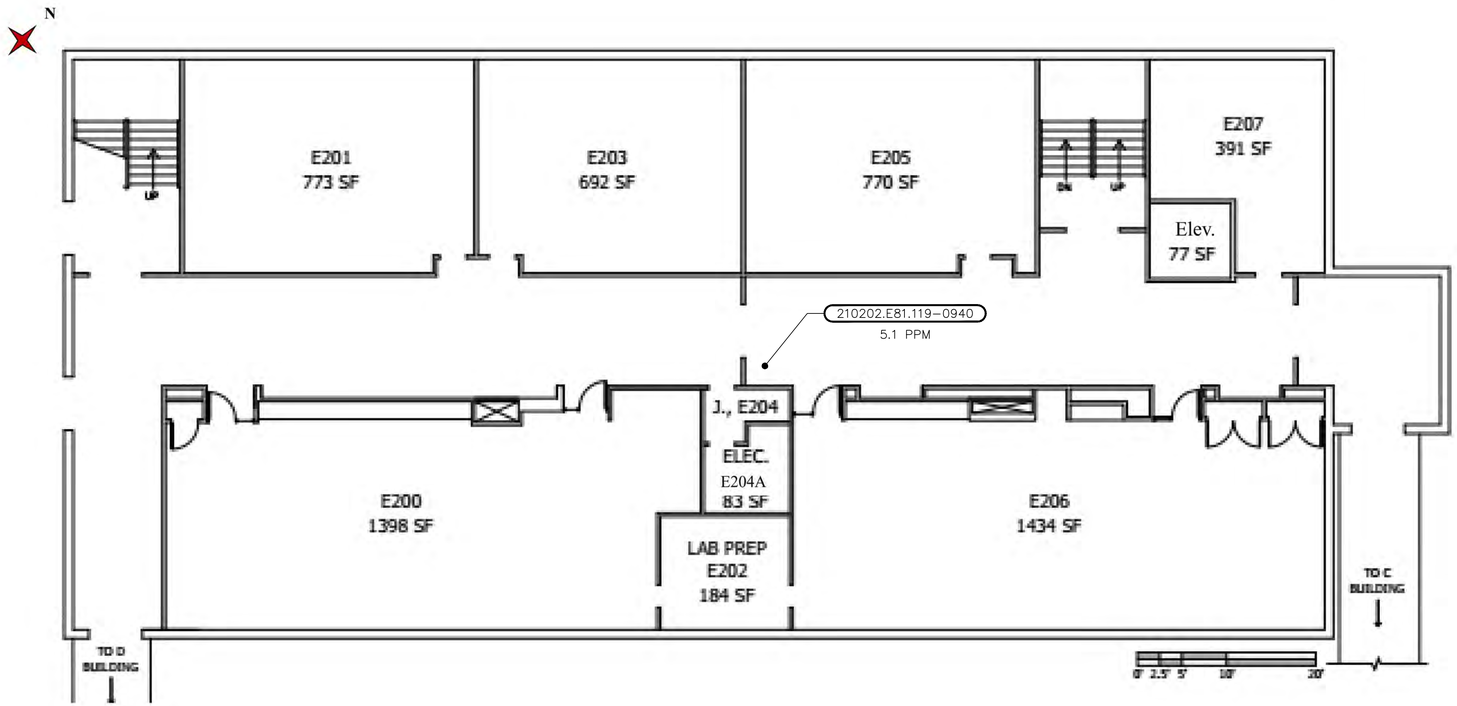
BURLINGTON SCHOOL DISTRICT
BUILDING E - 1ST FLOOR
DOOR WINDOW GLAZING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E1-21

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM08_BLDG_E.dwg Layout: HM-E1-21 Plotted: 2021-10-14 2:29 PM Saved: 2021-10-13 3:19 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 2ND FLOOR
DOOR WINDOW GLAZING
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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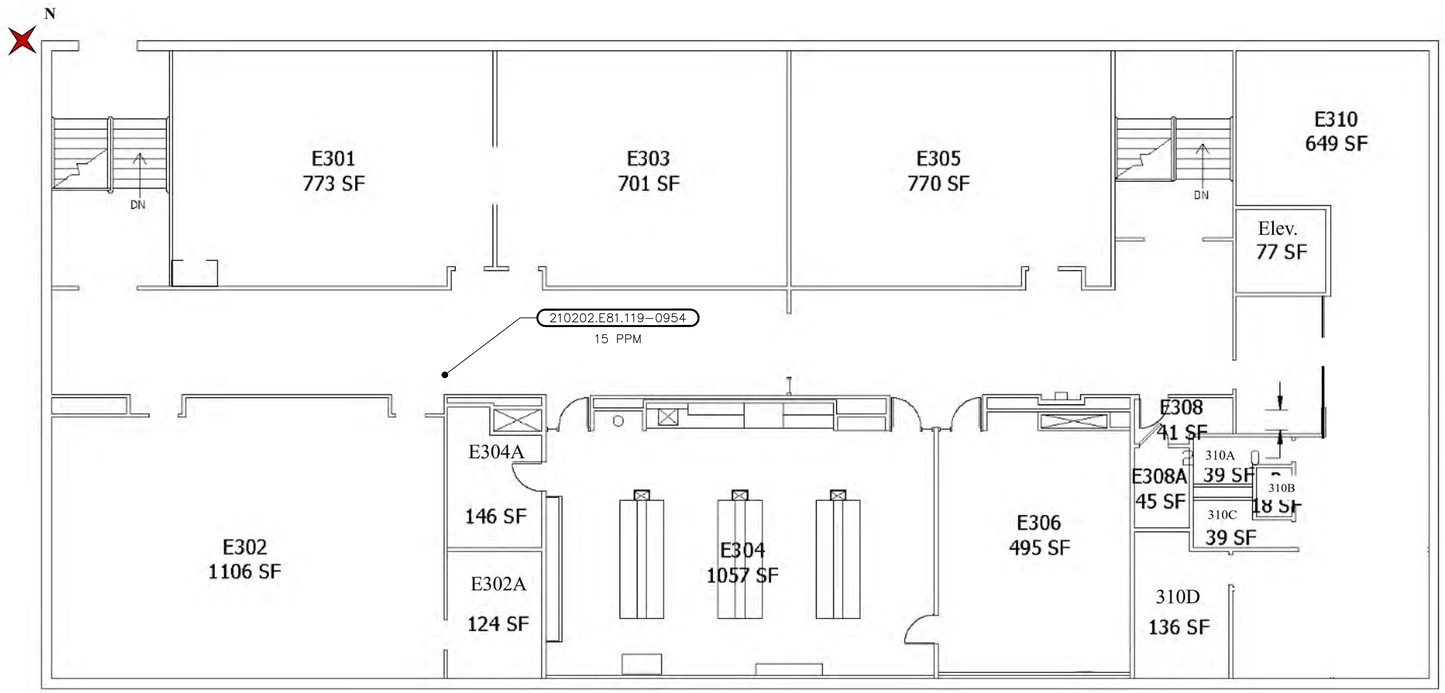
BUILDING E - 2ND FLOOR
DOOR WINDOW GLAZINGPLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E2-21

File: J:\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM08_BLDG_E.dwg Layout: HM-E2-21 Plotted: 2021-10-14 2:30 PM Saved: 2021-10-13 3:19 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 3RD FLOOR
DOOR WINDOW GLAZING
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

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SCALE:
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VERT.:
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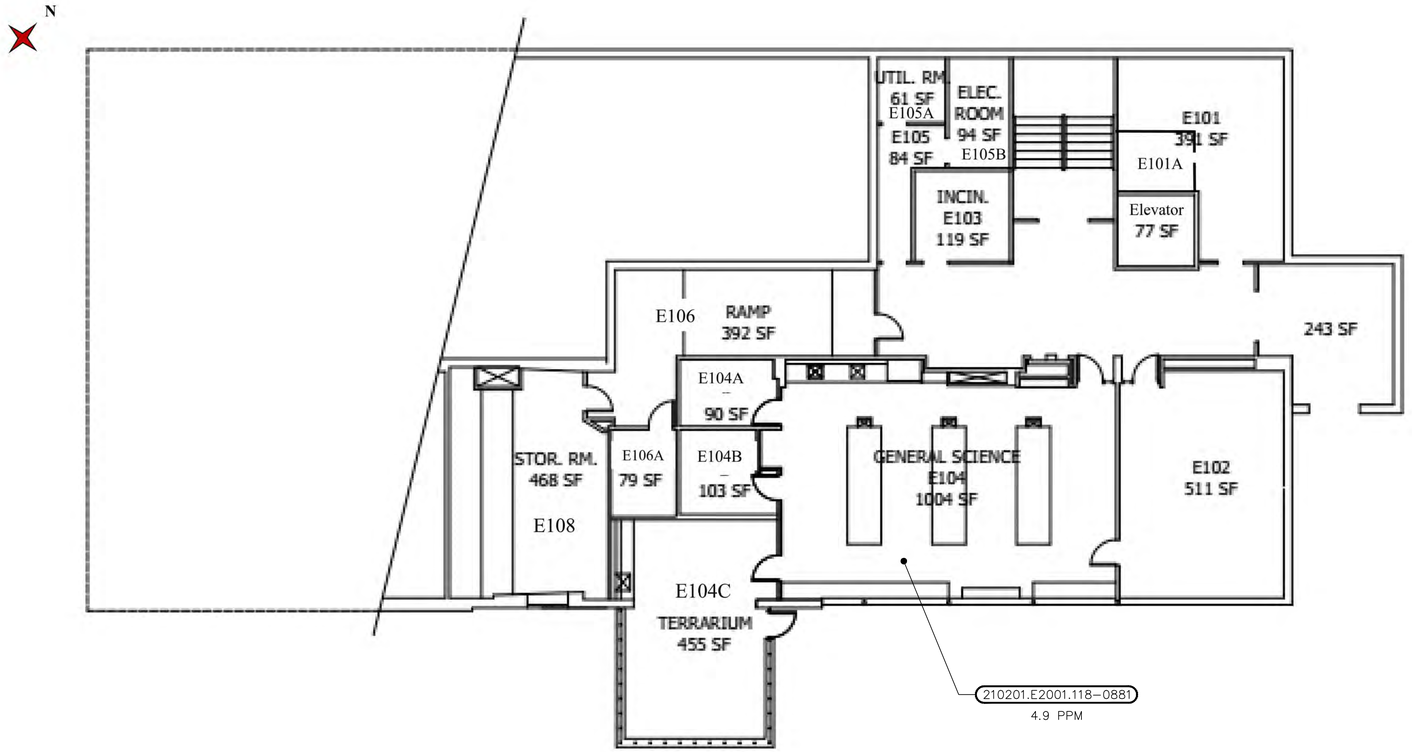
BURLINGTON SCHOOL DISTRICT
BUILDING E - 3RD FLOOR
DOOR WINDOW GLAZING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E3-21



BUILDING E – 1ST FLOOR
BULLETIN CHALKBOARD ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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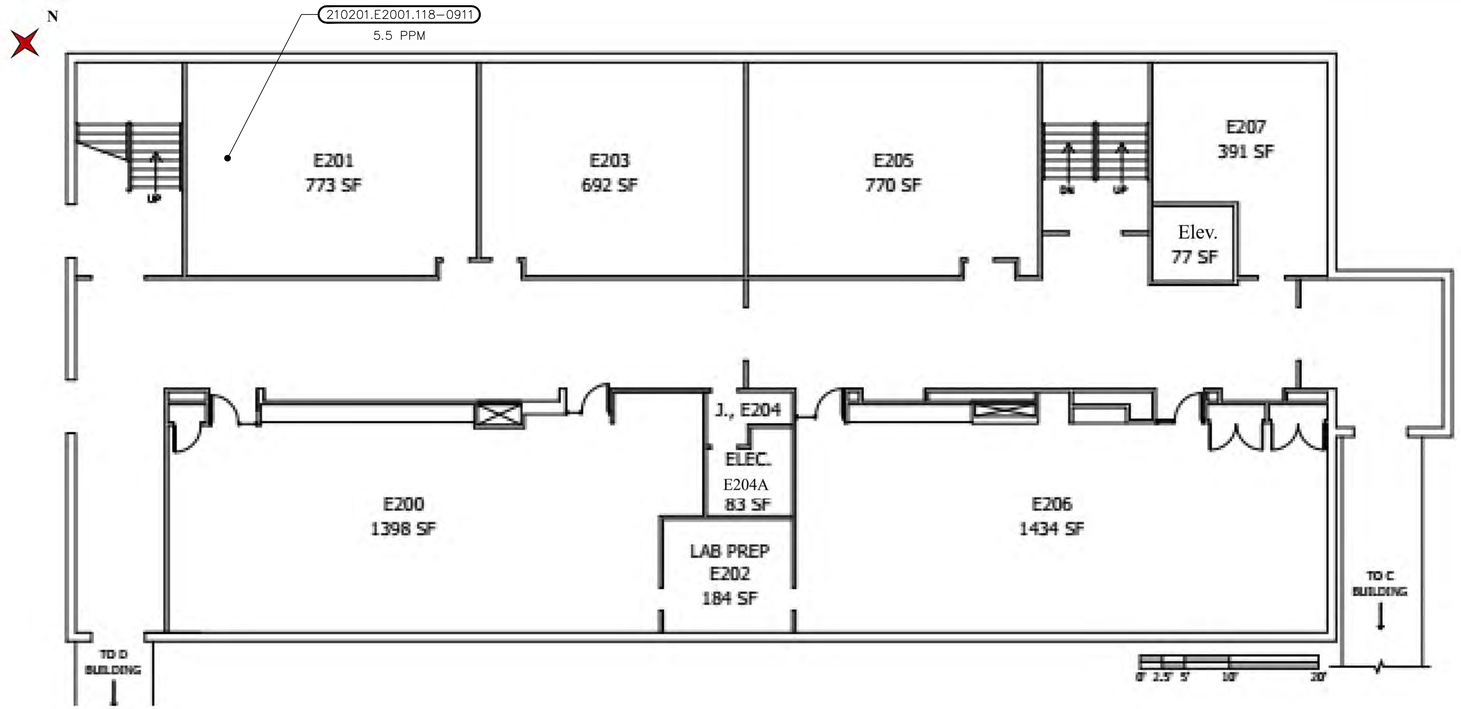
BURLINGTON SCHOOL DISTRICT
BUILDING E - 1ST FLOOR
BULLETIN CHALKBOARD ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E1-22

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM08_BLDG_E.dwg Layout: HM-E1-22 Plotted: 2021-10-14 2:31 PM Saved: 2021-10-13 3:19 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 2ND FLOOR
BULLETIN CHAULKBOARD ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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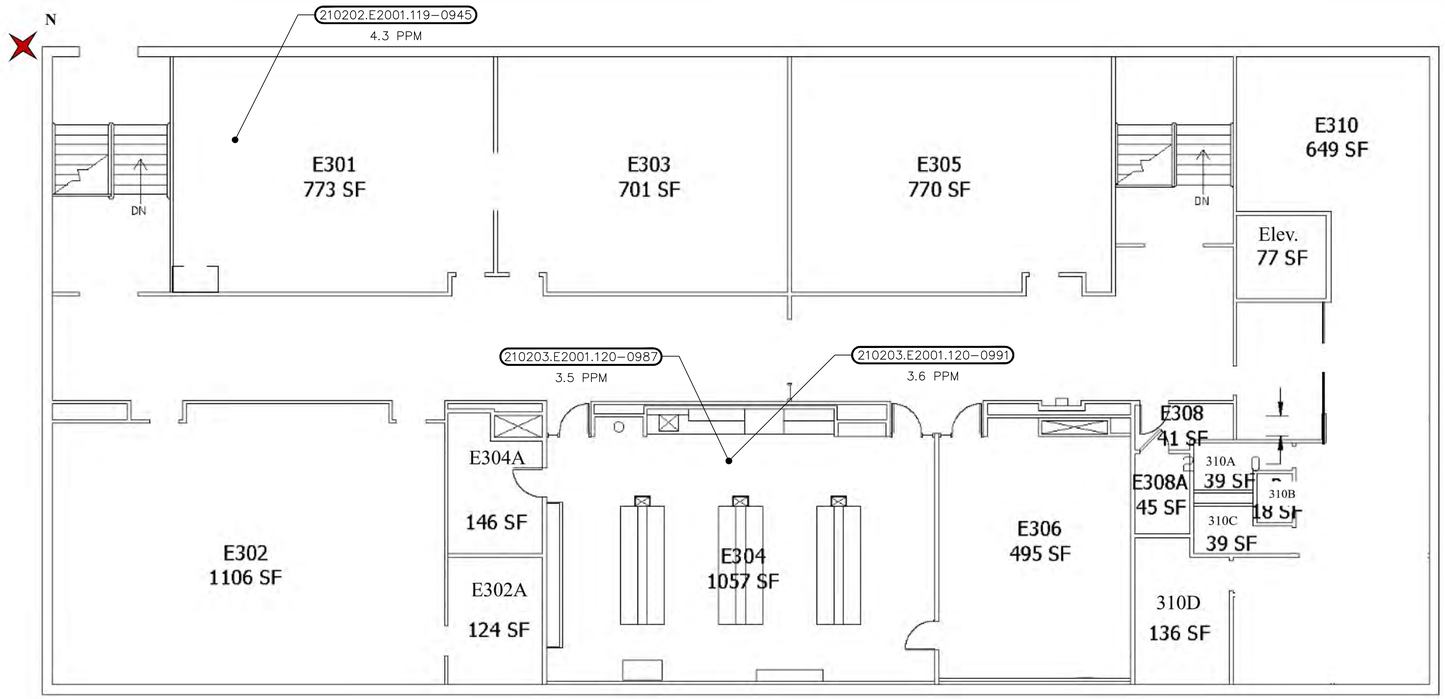
BURLINGTON SCHOOL DISTRICT
BUILDING E - 2ND FLOOR
BULLETIN CHAULKBOARD ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E2-22

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM08_BLDG_E.dwg Layout: HM-E2-22 Plotted: 2021-10-14 2:32 PM Saved: 2021-10-13 3:19 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 3RD FLOOR
BULLETIN CHAULKBOARD ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
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52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

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SCALE:
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VERT.:
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GRAPHIC SCALE

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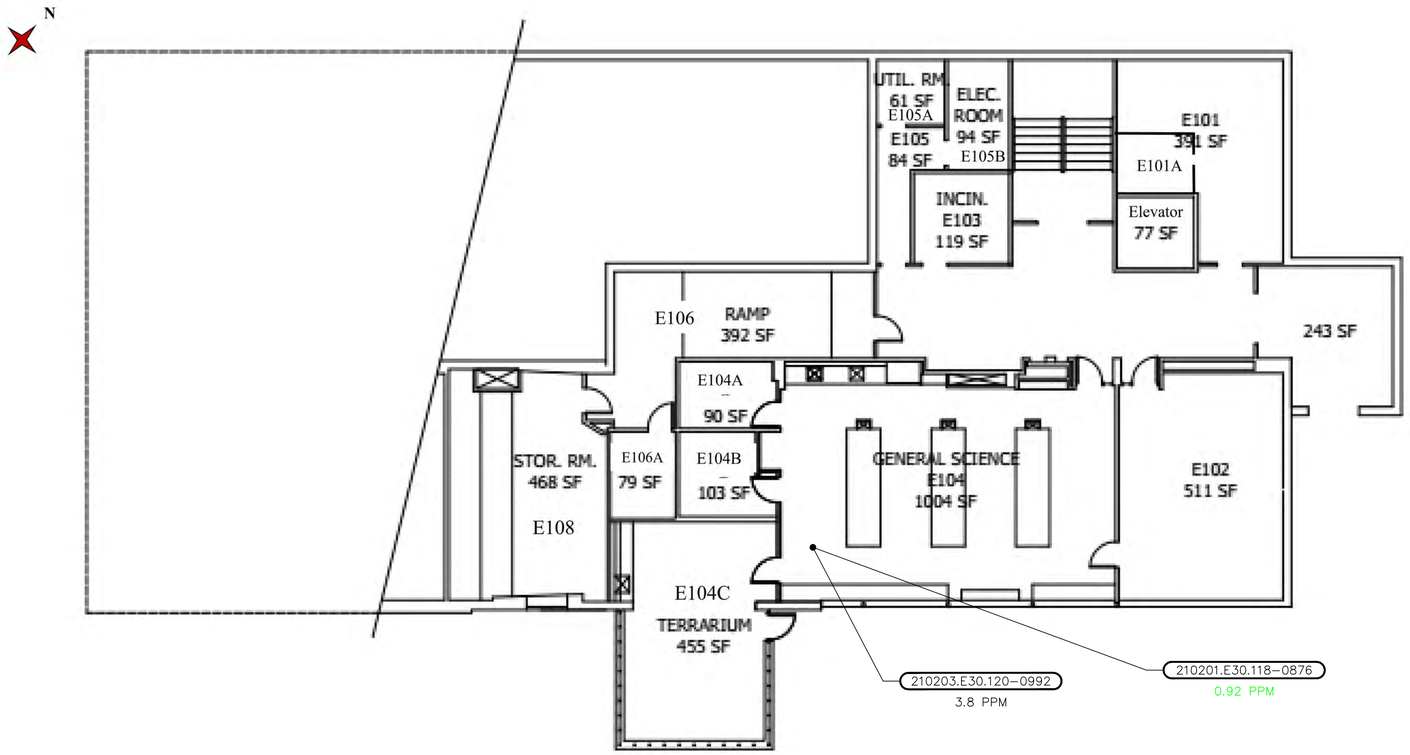
BURLINGTON SCHOOL DISTRICT
BUILDING E - 3RD FLOOR
BULLETIN CHAULKBOARD ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E3-22

File: J:\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM08_BLDG_E.dwg Layout: HM-E3-22 Plotted: 2021-10-14 2:33 PM Saved: 2021-10-13 3:19 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 1ST FLOOR
LAB BENCH TOP ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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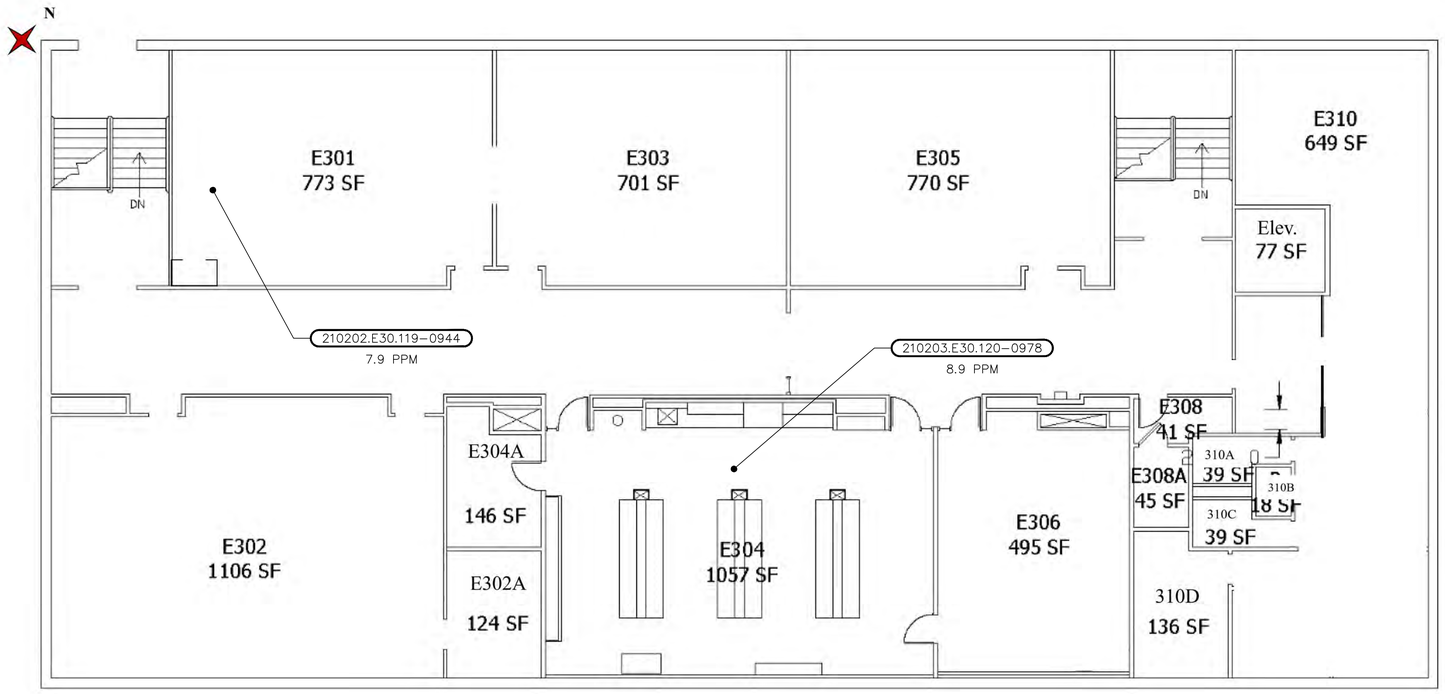
BURLINGTON SCHOOL DISTRICT
BUILDING E - 1ST FLOOR
LAB BENCH TOP ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E1-24

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM08_BLDG_E.dwg Layout: HM-E1-24 Plotted: 2021-10-14 2:34 PM Saved: 2021-10-13 3:19 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 3RD FLOOR
LAB BENCH TOP ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
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2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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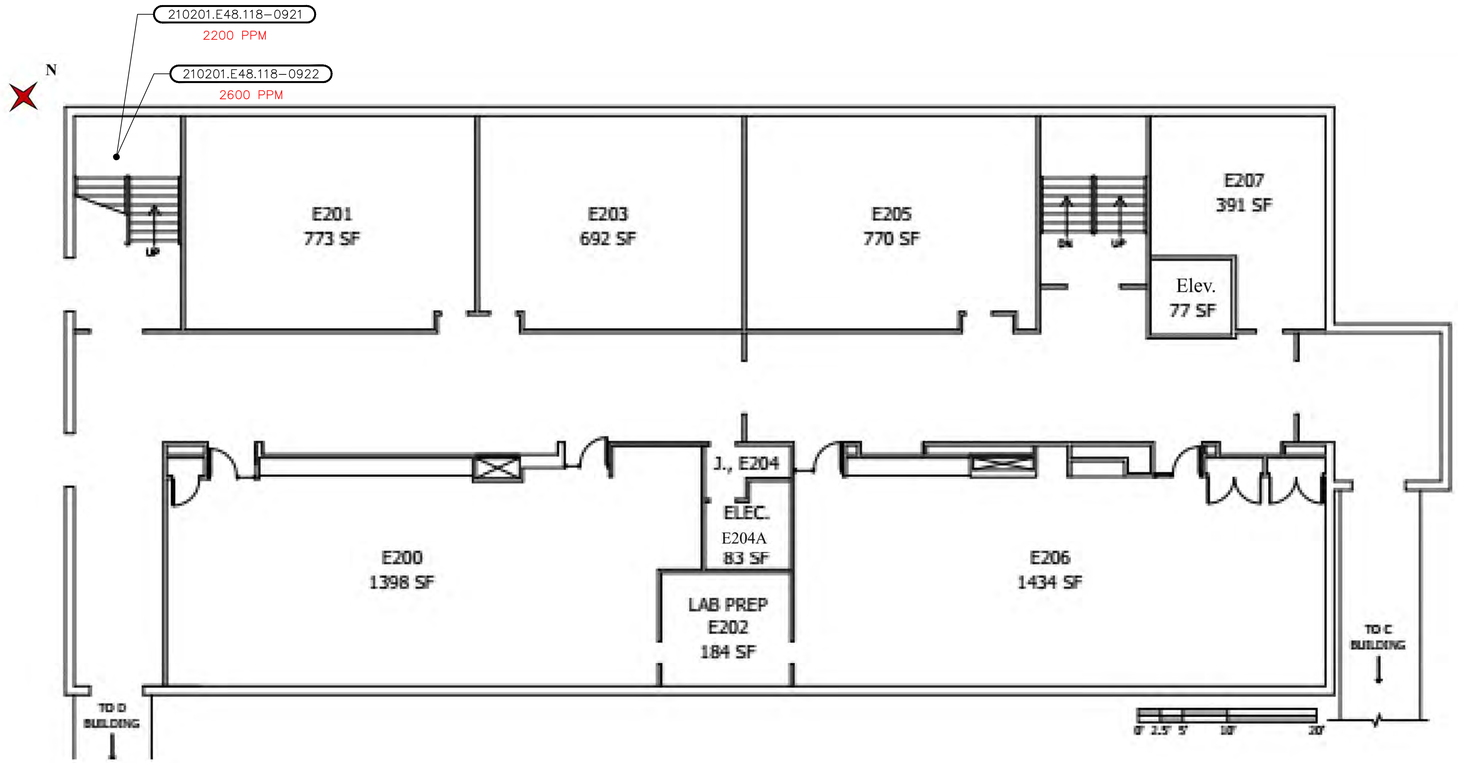
BURLINGTON SCHOOL DISTRICT
BUILDING E - 3RD FLOOR
LAB BENCH TOP ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E3-24

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM08_BLDG_E.dwg Layout: HM-E3-24 Plotted: 2021-10-14 2:35 PM Saved: 2021-10-13 3:19 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 2ND FLOOR
STAIR TREAD MASTIC
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
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GRAPHIC SCALE

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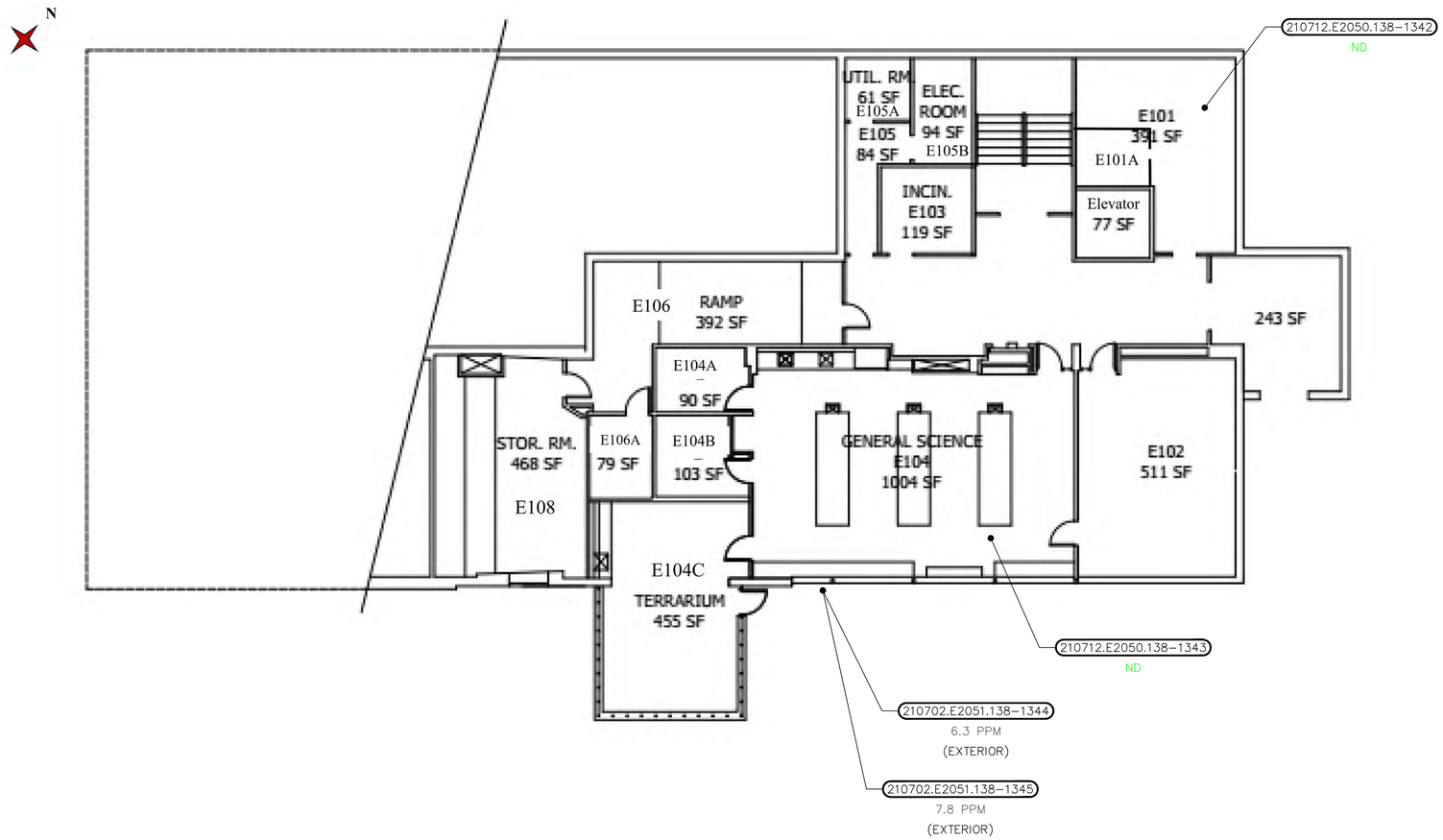
BURLINGTON SCHOOL DISTRICT
BUILDING E - 2ND FLOOR
STAIR TREAD MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E2-28

File: J:\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM08_BLDG_E.dwg Layout: HM-E2-28 Plotted: 2021-10-14 2:36 PM Saved: 2021-10-13 3:19 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 1ST FLOOR
VAPOR BARRIER
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
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GRAPHIC SCALE

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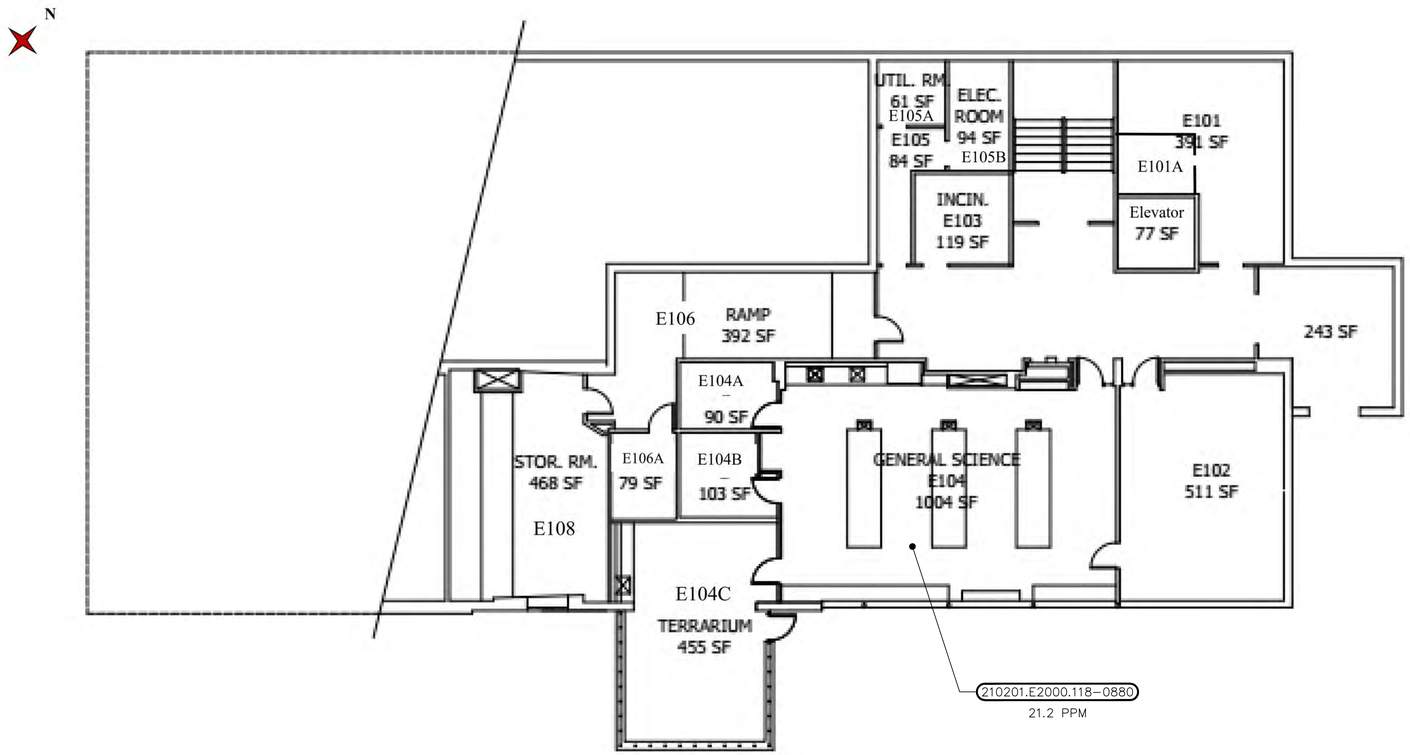
BURLINGTON SCHOOL DISTRICT
BUILDING E - 1ST FLOOR
VAPOR BARRIER PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E1-34

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM07_BLDG_E.dwg Layout: HM-E1-34 Plotted: 2022-01-03 10:18 AM Saved: 2022-01-03 10:17 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 1ST FLOOR
CMU TO PLASTER WALL CAULKING MATERIAL
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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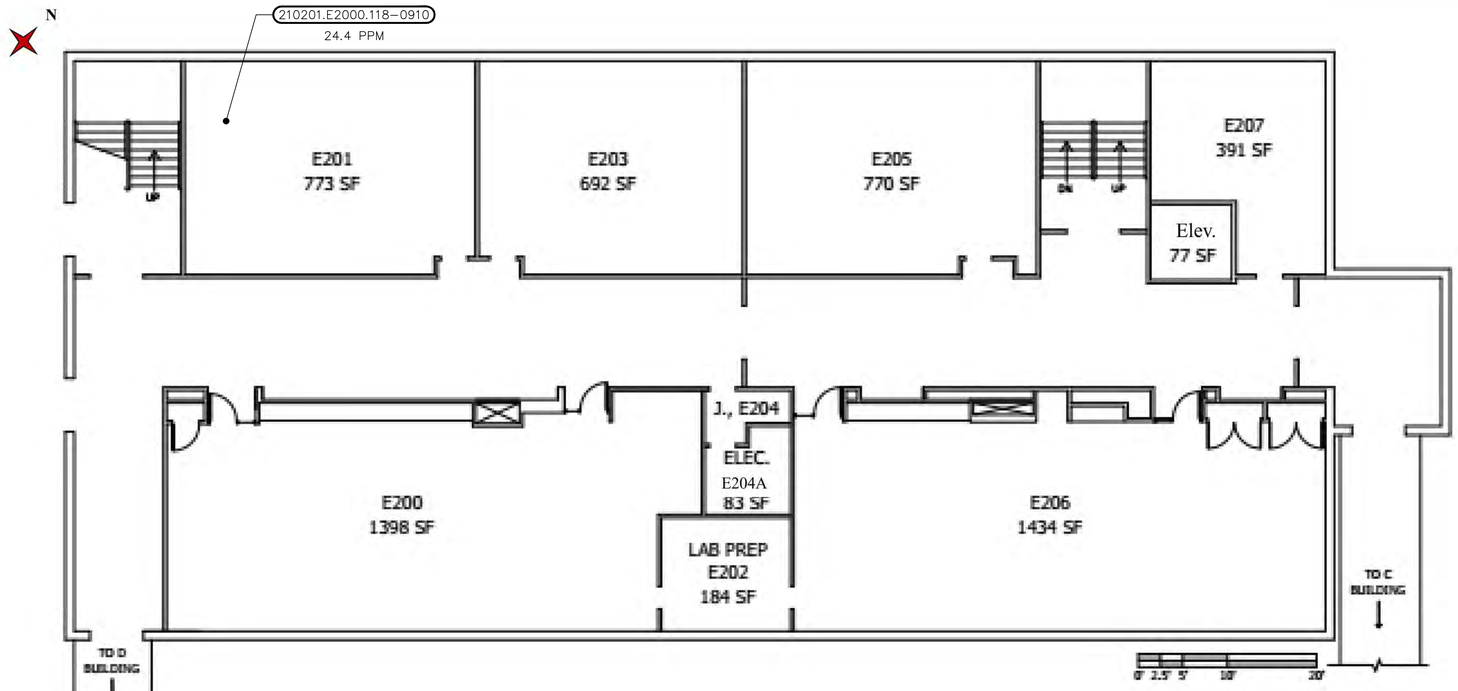
BURLINGTON SCHOOL DISTRICT
BUILDING E - 1ST FLOOR
CMU TO PLASTER WALL CAULKING
MATERIAL PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E1-39

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM07_BLDG_E.dwg Layout: HM-E1-39 Plotted: 2022-01-03 9:42 AM Saved: 2022-01-03 9:38 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 2ND FLOOR
CMU TO PLASTER WALL CAULKING MATERIAL
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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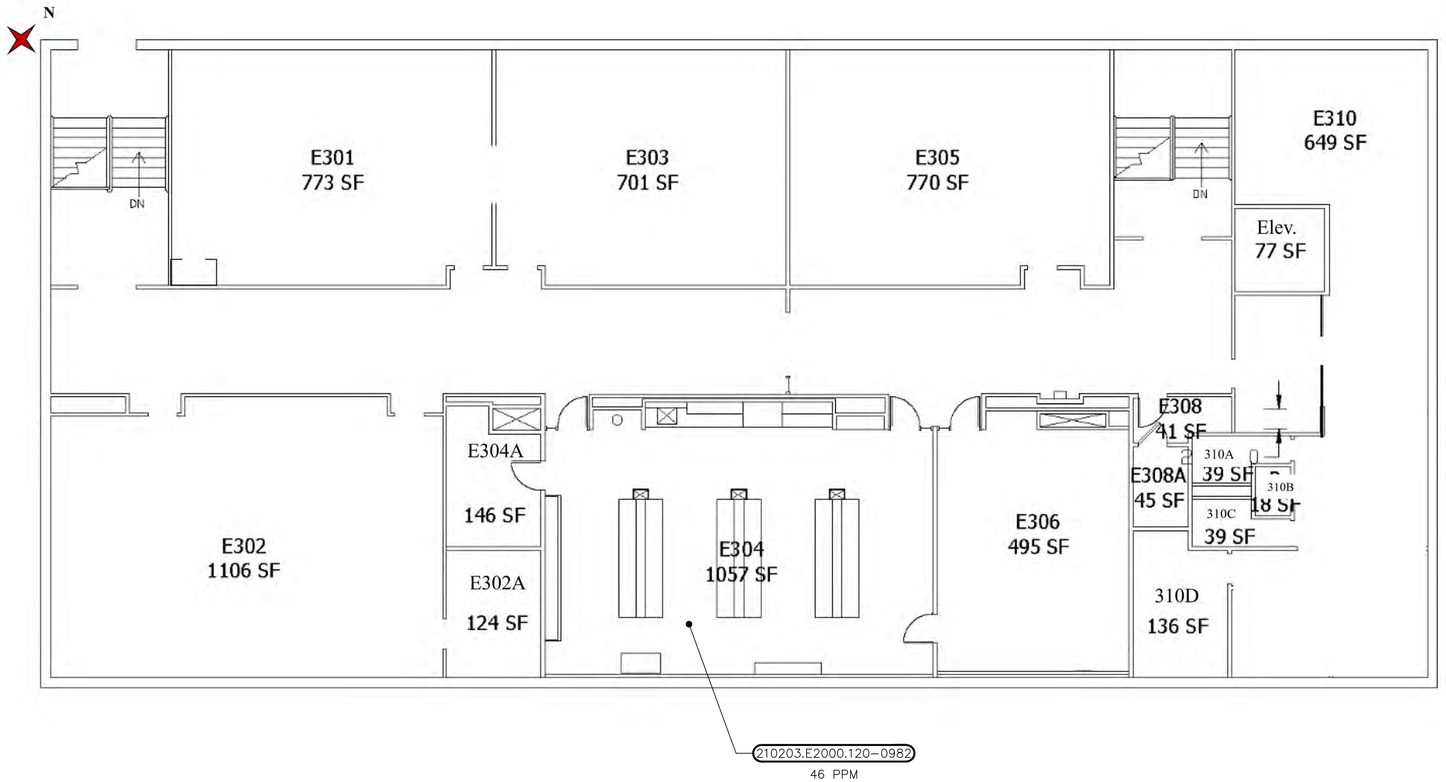
BURLINGTON SCHOOL DISTRICT
BUILDING E - 2ND FLOOR
CMU TO PLASTER WALL CAULKING
MATERIAL PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E2-39

File: J:\DWG\P\20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM07_BLDG_E.dwg Layout: HM-E2-39 Plotted: 2022-01-03 9:43 AM Saved: 2022-01-03 9:38 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 3RD FLOOR
CMU TO PLASTER WALL CAULKING MATERIAL
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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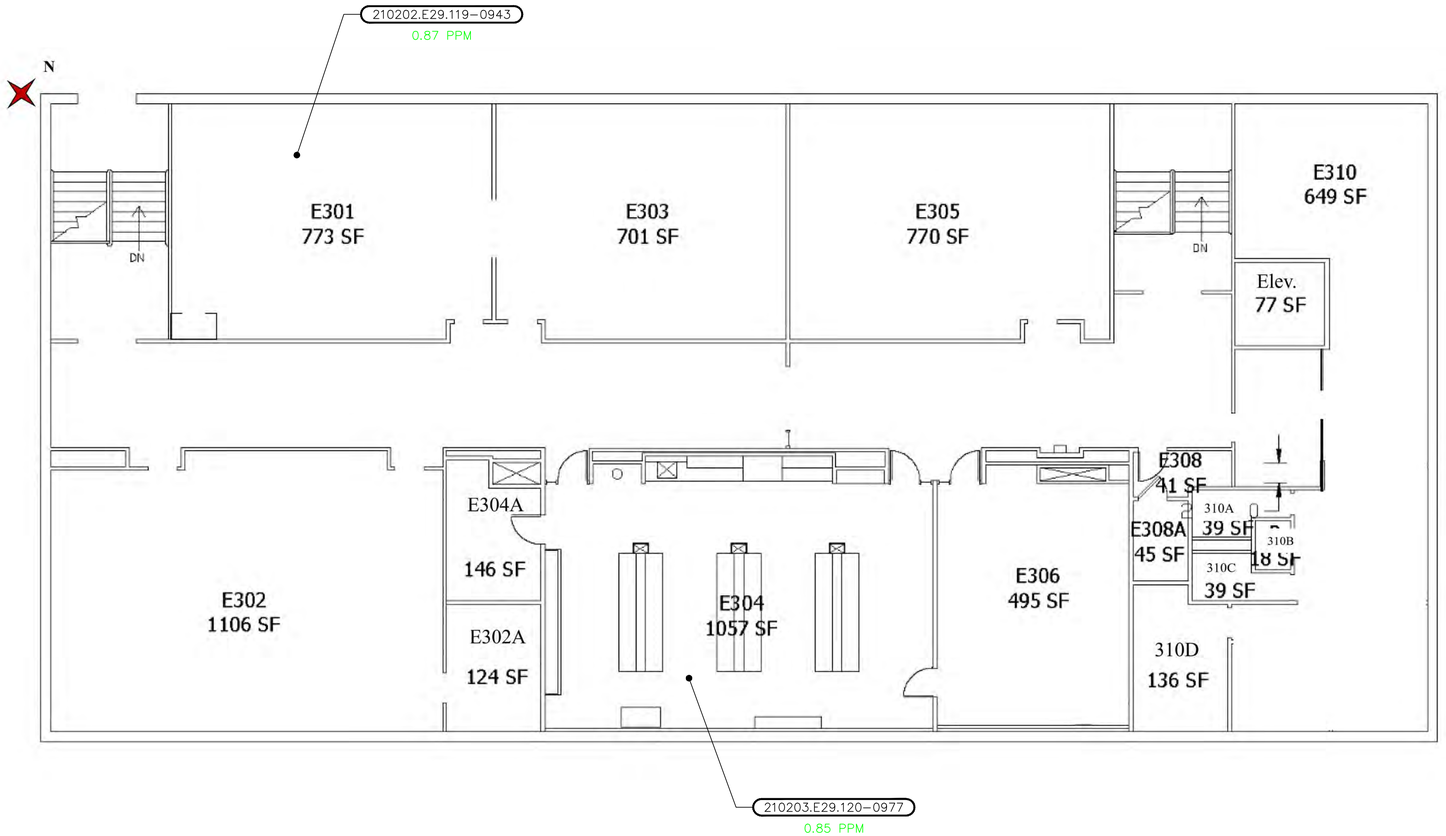
BUILDING E - 3RD FLOOR
CMU TO PLASTER WALL CAULKING
MATERIAL PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E3-39

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM07_BLDG_E.dwg Layout: HM-E3-39 Plotted: 2022-01-03 9:44 AM Saved: 2022-01-03 9:38 AM User: SMcWhirter
PCS: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 3RD FLOOR
LAB BENCH TOP CAULKING
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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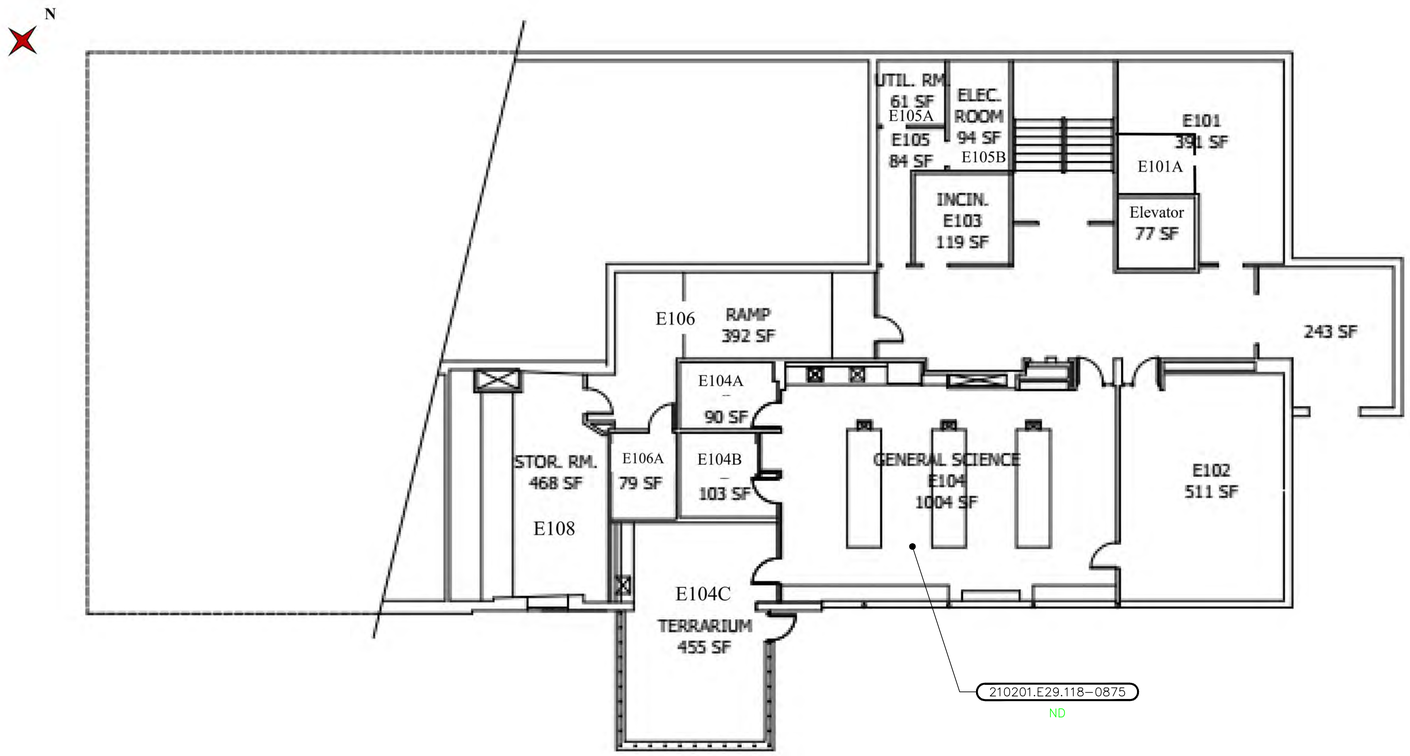
BURLINGTON SCHOOL DISTRICT
BUILDING E - 3RD FLOOR
LAB BENCH TOP CAULKING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E3-40

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM07_BLDG_E.dwg Layout: HM-E3-40 Plotted: 2022-01-03 10:03 AM Saved: 2022-01-03 9:59 AM User: SMcWhirter
PCS: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING E – 1ST FLOOR
LAB BENCH TOP CAULKING
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

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HORZ.: NOT TO SCALE
VERT.:
DATUM:
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VERT.:
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GRAPHIC SCALE

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BUILDING E - 1ST FLOOR
LAB BENCH TOP CAULKING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

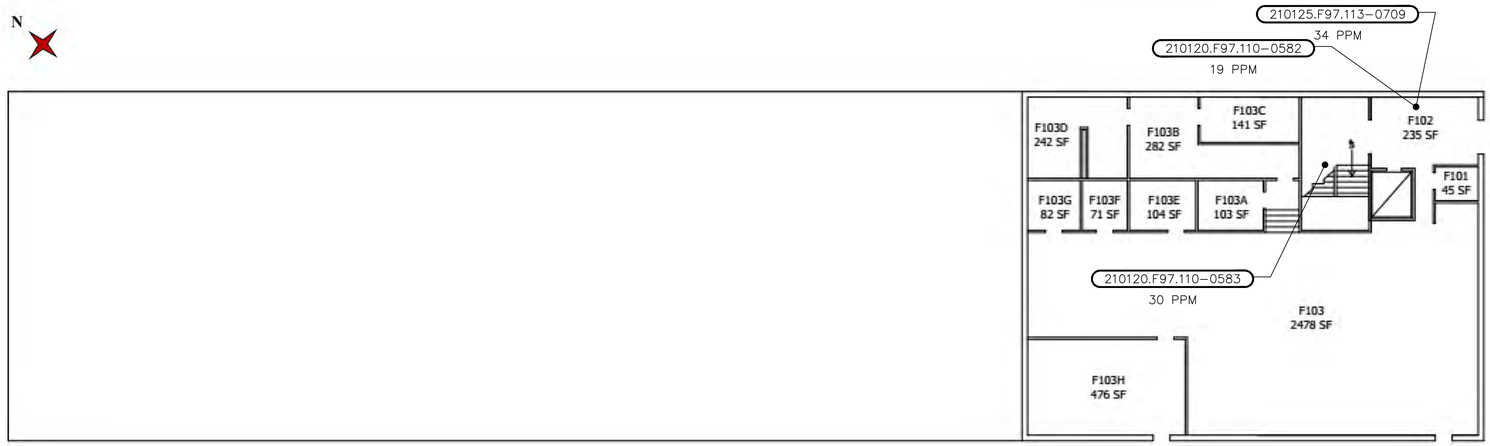
PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-E1-40

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM07_BLDG_E.dwg Layout: HM-E1-40 Plotted: 2022-01-03 9:54 AM Saved: 2022-01-03 9:53 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:

Building F

Bulk and Substrate Plans



BUILDING F – 1ST FLOOR
CARPET MASTIC
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
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52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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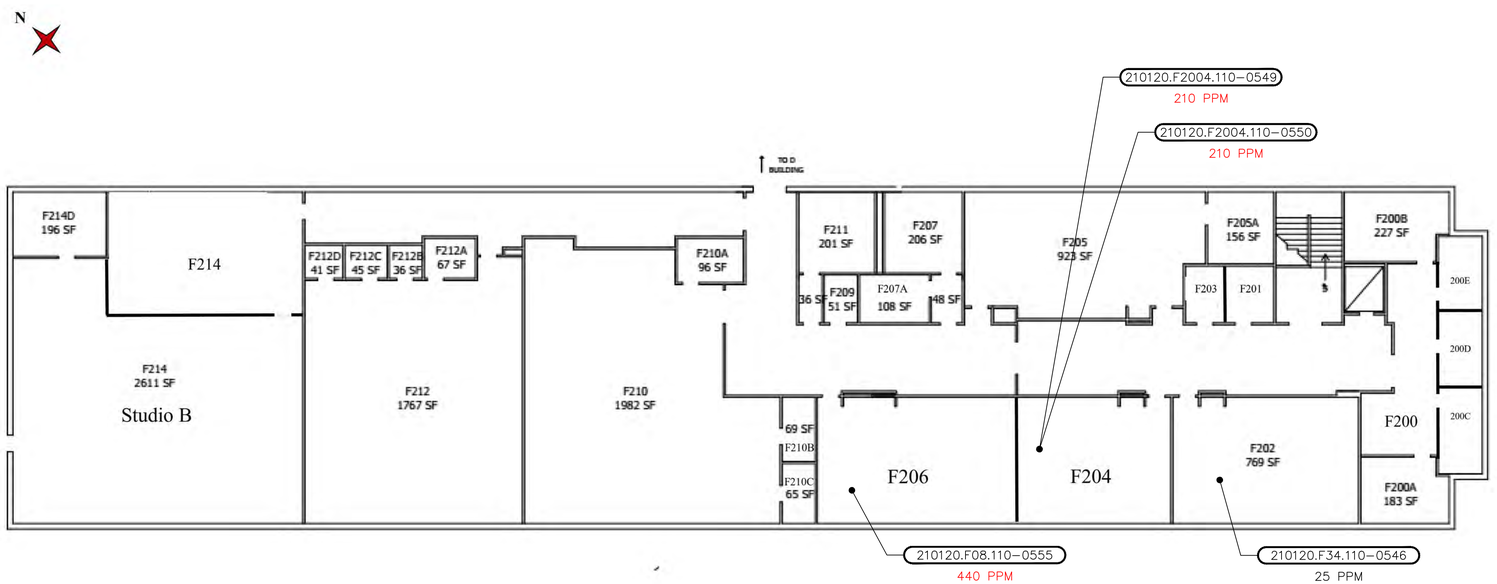
BURLINGTON SCHOOL DISTRICT
BUILDING F - 1ST FLOOR
CARPET MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F1-1

File: J:\DWG\P2019\14000A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM09_BLDG_F.dwg Layout: HM-F1-1 Plotted: 2021-10-14 3:21 PM Saved: 2021-10-13 4:29 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 2ND FLOOR
CARPET MASTIC
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
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DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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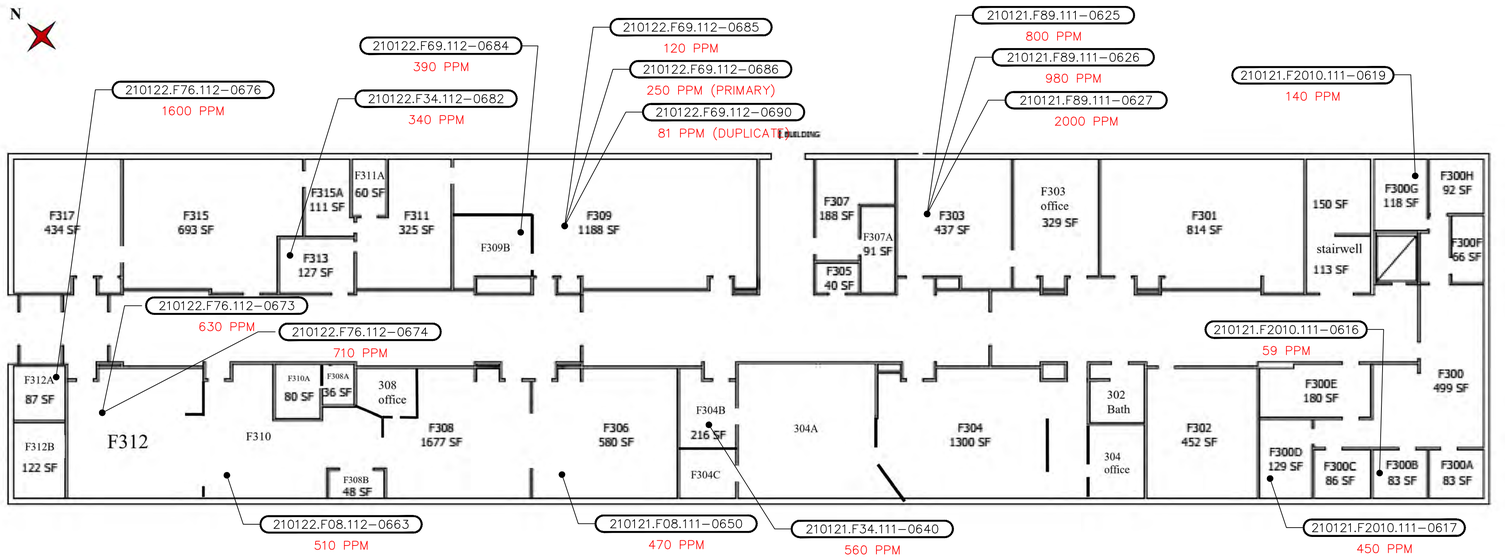
BURLINGTON SCHOOL DISTRICT
BUILDING F - 2ND FLOOR
CARPET MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F2-1



BUILDING F – 3RD FLOOR
CARPET MASTIC
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
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52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

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SCALE:
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DATUM:
HORZ.:
VERT.:
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GRAPHIC SCALE

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BURLINGTON SCHOOL DISTRICT
BUILDING F - 3RD FLOOR
CARPET MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F3-1

File: J:\DWG\P2019\14000A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM09_BLDG_F.dwg Layout: HM-F3-1 Plotted: 2021-10-14 3:23 PM Saved: 2021-10-13 4:29 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:

BUILDING F – 1ST FLOOR
COVE BASE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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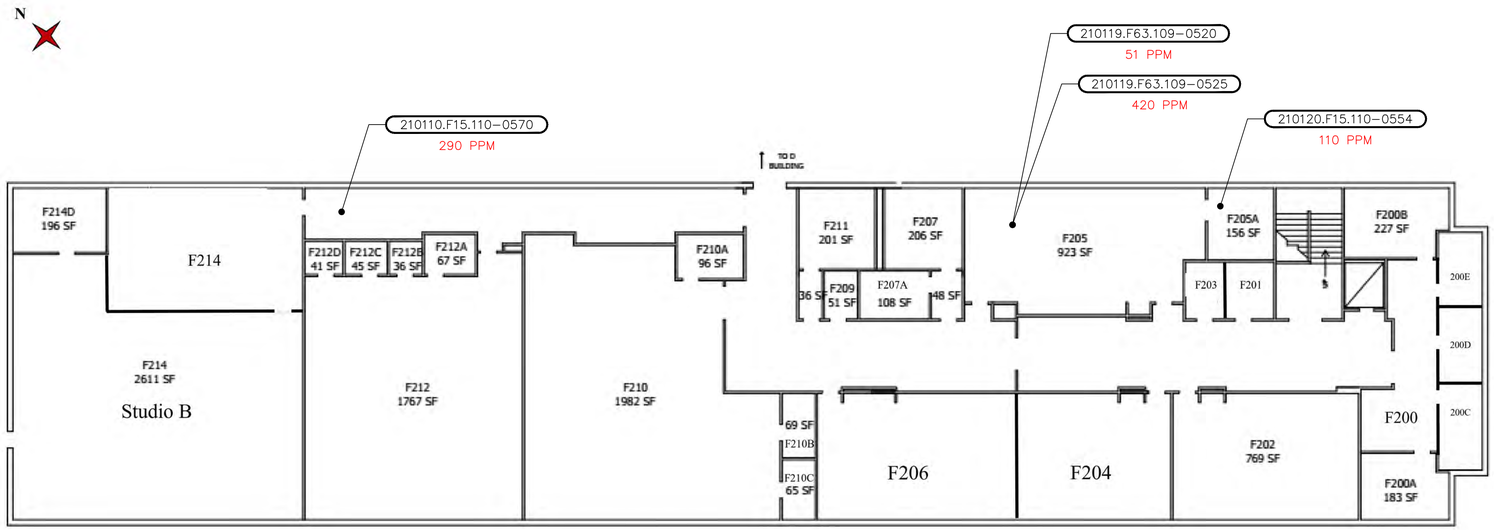
BURLINGTON SCHOOL DISTRICT
BUILDING F - 1ST FLOOR
COVE BASE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F1-3

File: J:\DWG\P2019\14000A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM09_BLDG_F.dwg Layout: HM-F1-3 Plotted: 2021-10-14 3:23 PM Saved: 2021-10-13 4:29 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 2ND FLOOR
COVE BASE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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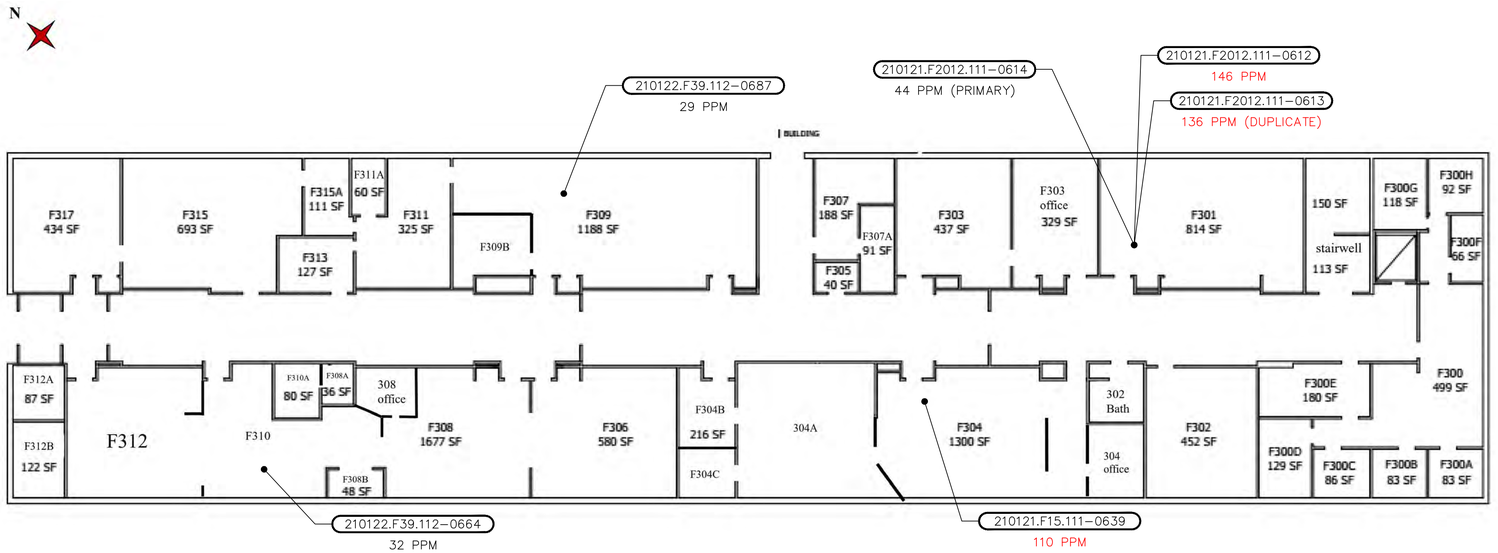
BURLINGTON SCHOOL DISTRICT
BUILDING F - 2ND FLOOR
COVE BASE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F2-3

File: J:\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM09_BLDG_F.dwg Layout: HM-F2-3 Plotted: 2021-10-14 3:25 PM Saved: 2021-10-13 4:29 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 3RD FLOOR
COVE BASE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
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52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

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SEAL

SCALE:
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VERT.:
DATUM:
HORZ.:
VERT.:
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GRAPHIC SCALE

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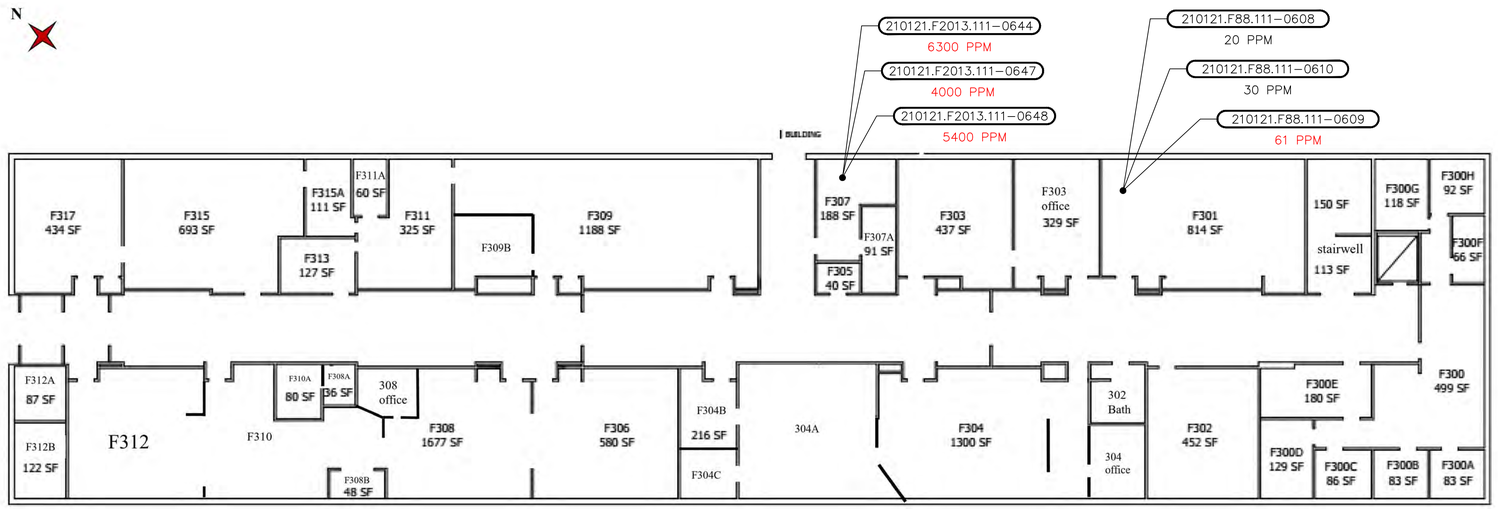
BURLINGTON SCHOOL DISTRICT
BUILDING F - 3RD FLOOR
COVE BASE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F3-3

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM09_BLDG_F.dwg Layout: HM-F3-3 Plotted: 2021-10-14 3:26 PM Saved: 2021-10-13 4:29 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 3RD FLOOR
DUCT SEAM SEALANT
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
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52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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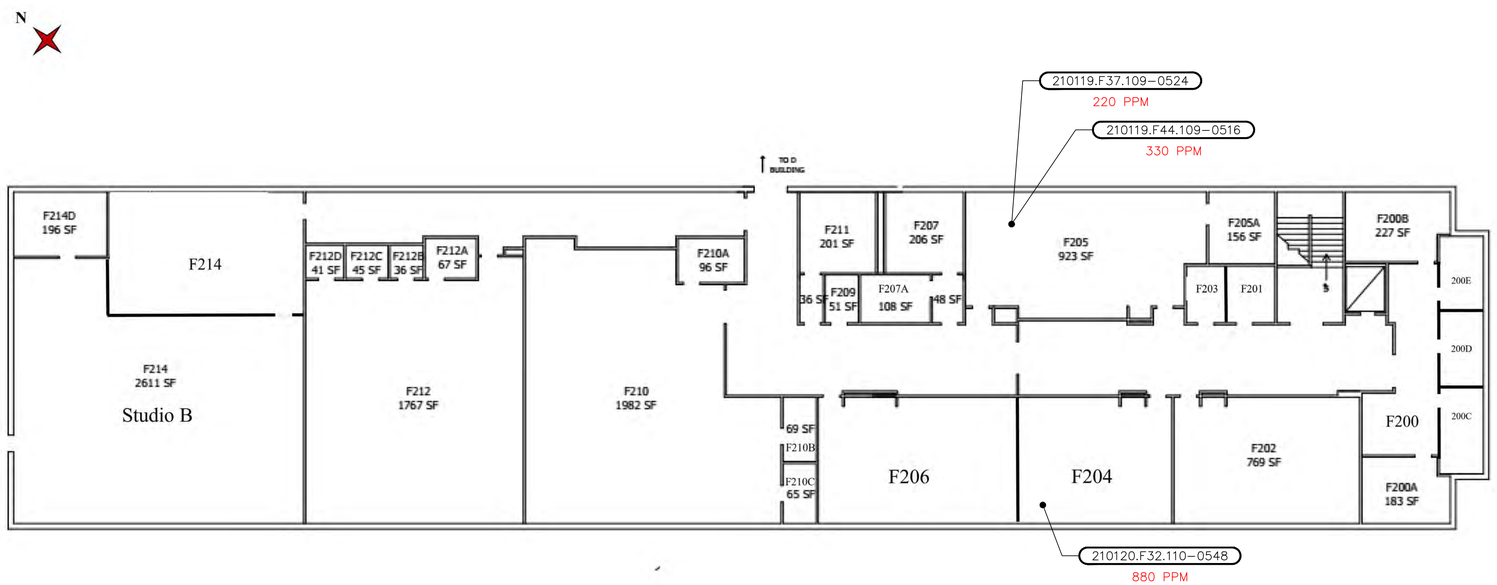
BURLINGTON SCHOOL DISTRICT
BUILDING F - 3RD FLOOR
DUCT SEAM SEALANT PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F3-4

File: J:\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM09_BLDG_F.dwg Layout: HM-F3-4 Plotted: 2021-10-14 3:26 PM Saved: 2021-10-13 4:29 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 2ND FLOOR
SINK UNDERCOATING
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
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No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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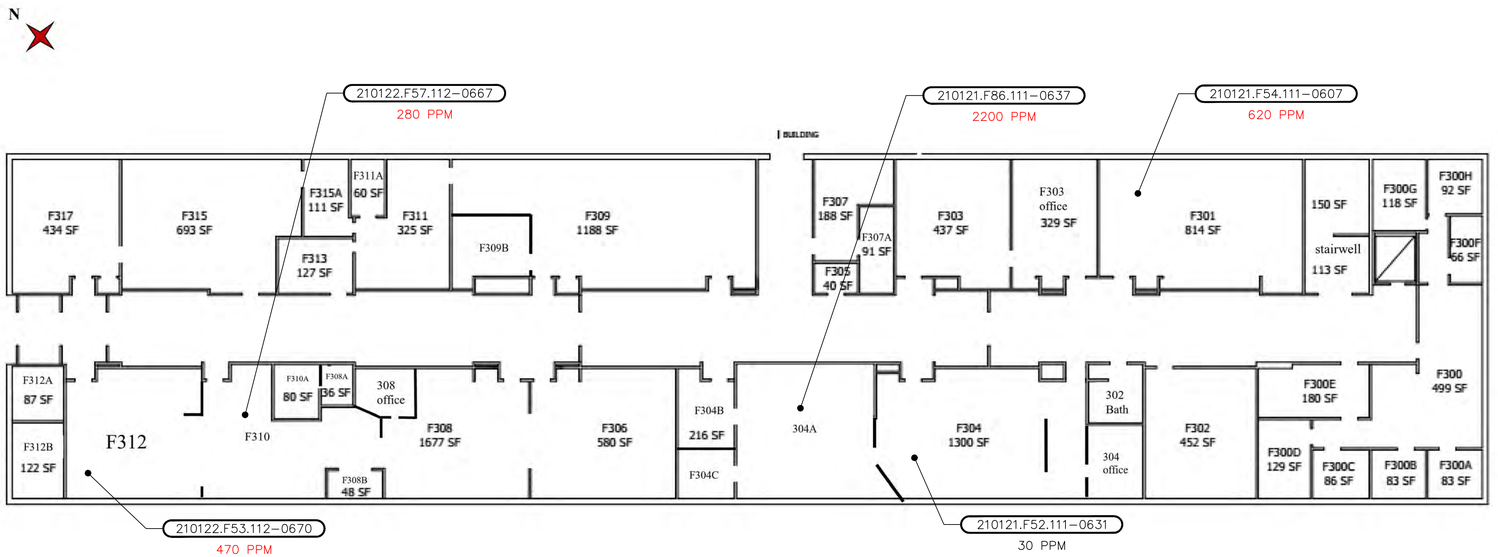
BURLINGTON SCHOOL DISTRICT
BUILDING F - 2ND FLOOR
SINK UNDERCOATING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F2-8

File: J:\DWG\P2019\1400A10\EnvironmentalPlan\Bulk Sampling\20191400A10_SAM09_BLDG_F.dwg Layout: HM-F2-8 Plotted: 2021-10-14 3:28 PM Saved: 2021-10-13 4:29 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 3RD FLOOR
SINK UNDERCOATING
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
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No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

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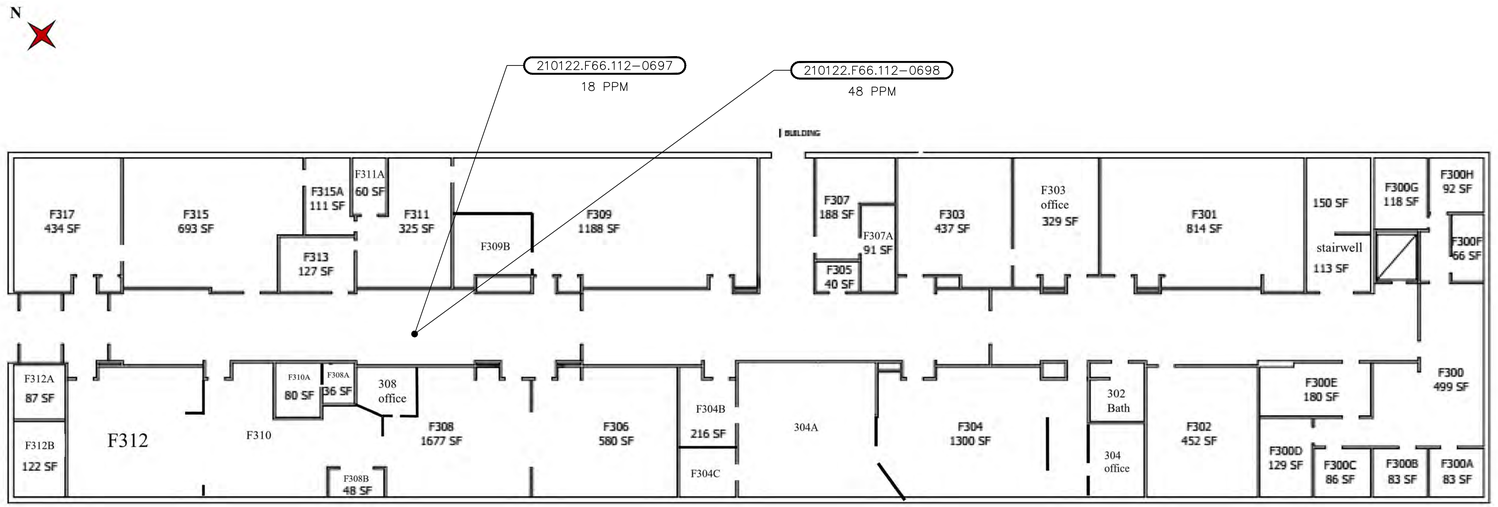
BURLINGTON SCHOOL DISTRICT
BUILDING F - 3RD FLOOR
SINK UNDERCOATING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F3-8

File: J:\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM09_BLDG_F.dwg Layout: HM-F3-8 Plotted: 2021-10-14 3:29 PM Saved: 2021-10-13 4:29 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 3RD FLOOR
STAIR TREAD ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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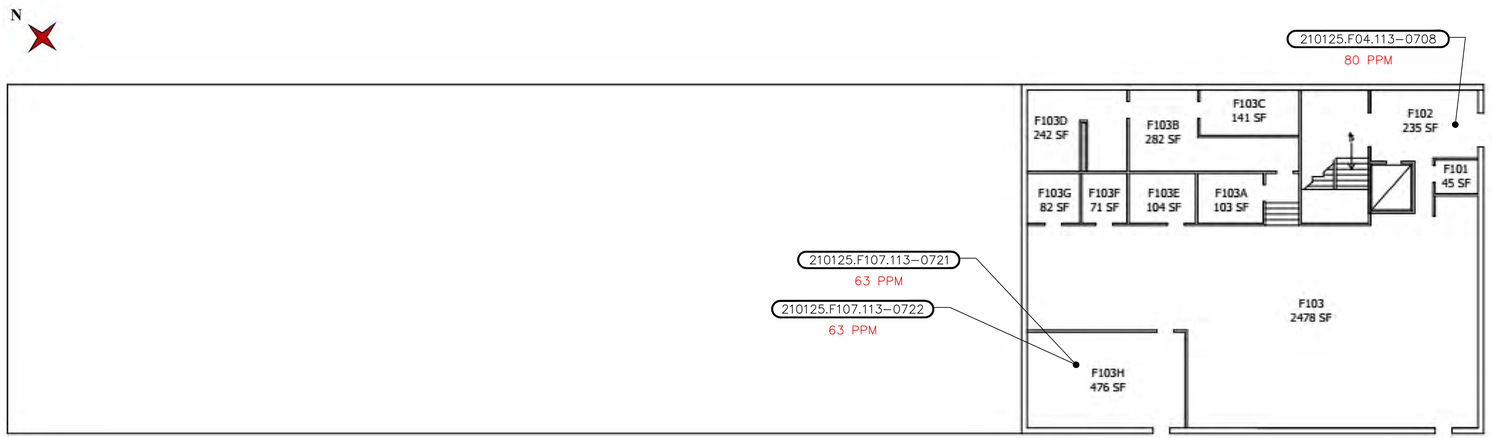
BURLINGTON SCHOOL DISTRICT
BUILDING F - 3RD FLOOR
STAIR TREAD ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F3-9

File: J:\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM09_BLDG_F.dwg Layout: HM-F3-9 Plotted: 2021-10-14 3:29 PM Saved: 2021-10-13 4:29 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 1ST FLOOR
SUSPENDED CEILING TILE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

File: J:\DWG\P2019\14400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM09_BLDG_F.dwg Layout: HM-F1-12 Plotted: 2021-10-14 3:30 PM Saved: 2021-10-13 4:29 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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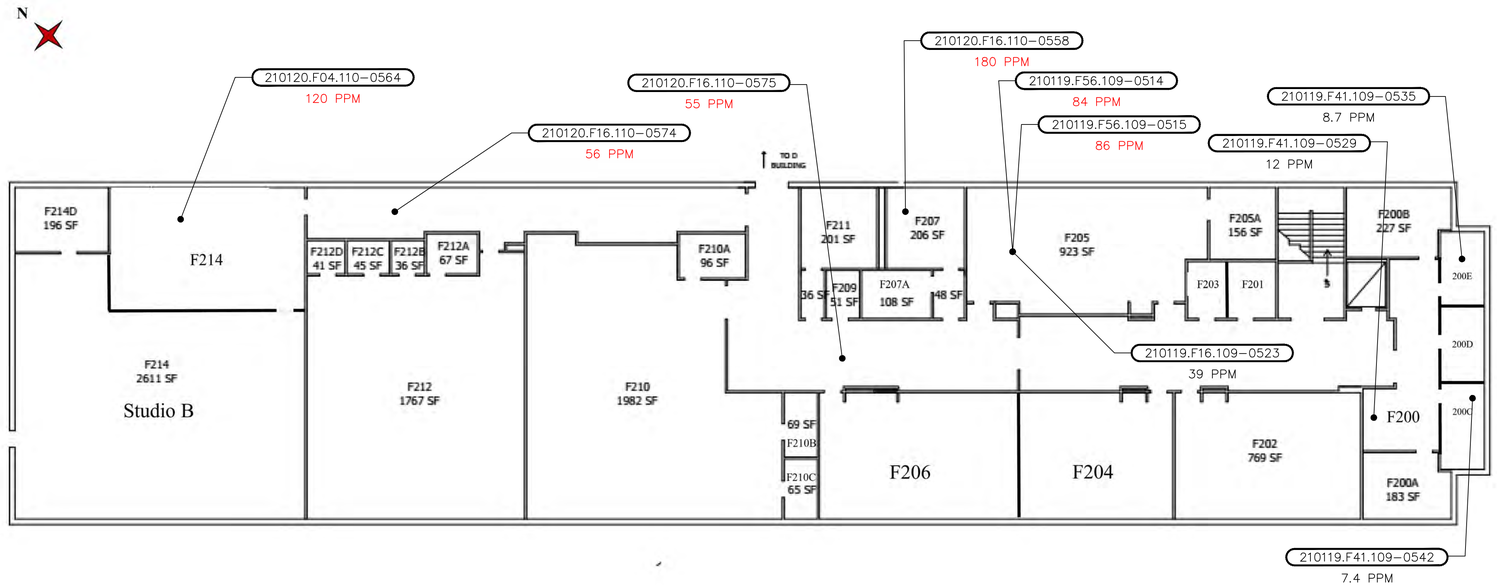
BURLINGTON SCHOOL DISTRICT
BUILDING F - 1ST FLOOR
SUSPENDED CEILING TILE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F1-12



BUILDING F – 2ND FLOOR
SUSPENDED CEILING TILE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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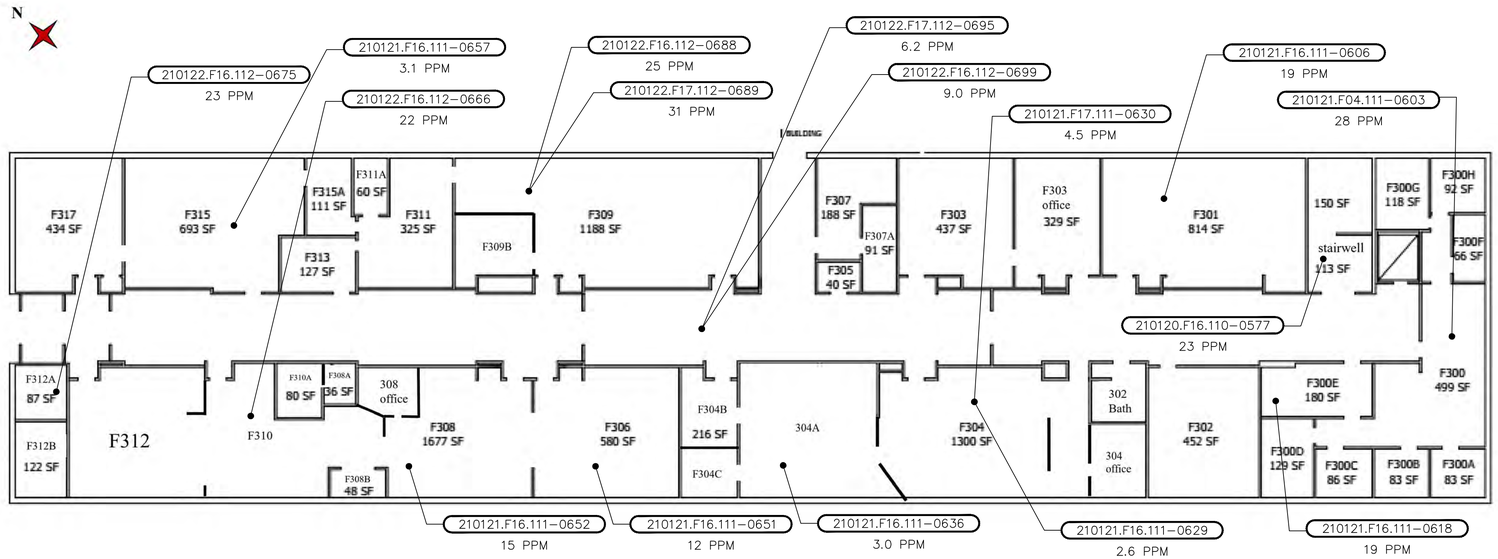
BURLINGTON SCHOOL DISTRICT
BUILDING F - 2ND FLOOR
SUSPENDED CEILING TILE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F2-12

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM09_BLDG_F.dwg Layout: HM-F2-12 Plotted: 2021-10-14 3:31 PM Saved: 2021-10-13 4:29 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 3RD FLOOR
SUSPENDED CEILING TILE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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BURLINGTON SCHOOL DISTRICT
BUILDING F - 3RD FLOOR
SUSPENDED CEILING TILE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F3-12

File: J:\DWG\P2019\1400A10\EnvironmentalPlan\Bulk Sampling\20191400A10_SAM09_BLDG_F.dwg Layout: HM-F3-12 Plotted: 2021-10-14 3:32 PM Saved: 2021-10-13 4:29 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:

BUILDING F – 1ST FLOOR
TILE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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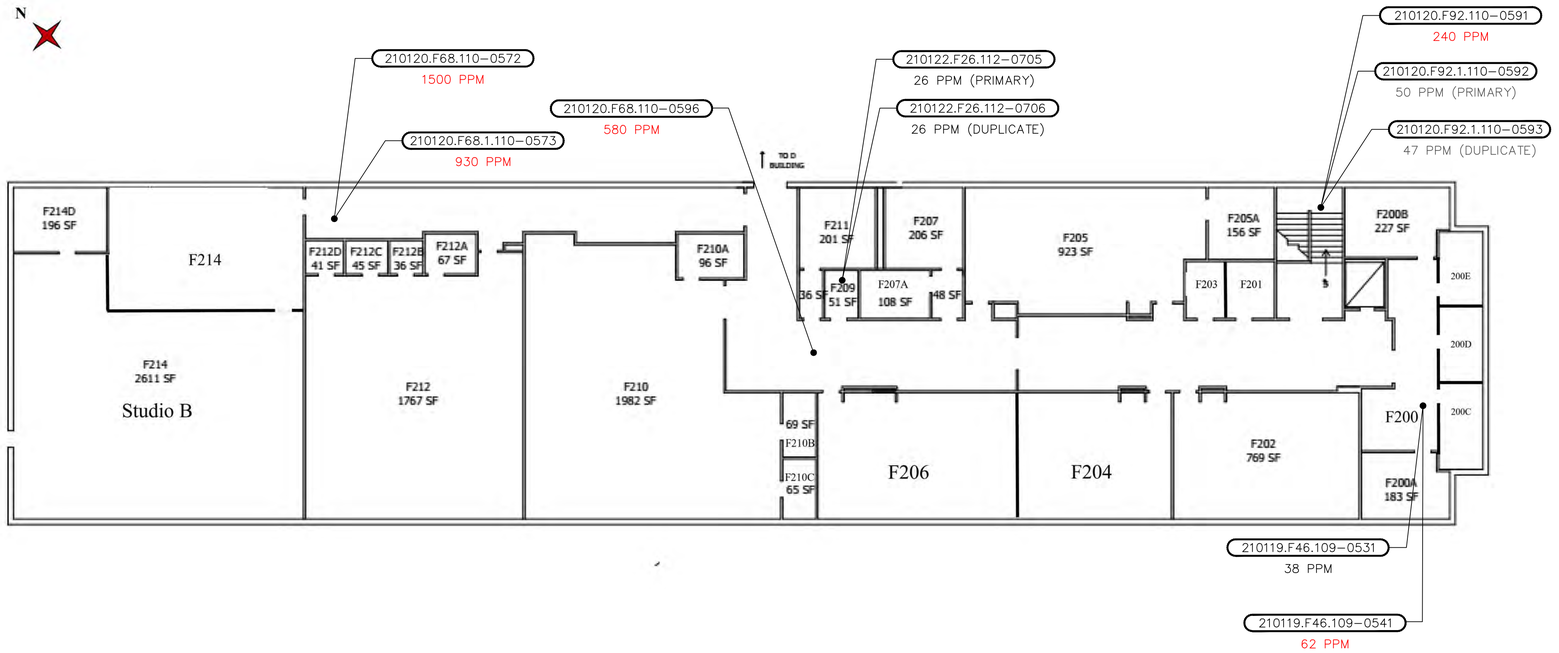
BUILDING F - 1ST FLOOR
TILE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F1-13

File: J:\DWG\P2019\14400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM09_BLDG_F.dwg Layout: HM-F1-13 Plotted: 2021-10-14 3:34 PM Saved: 2021-10-13 4:29 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 2ND FLOOR
TILE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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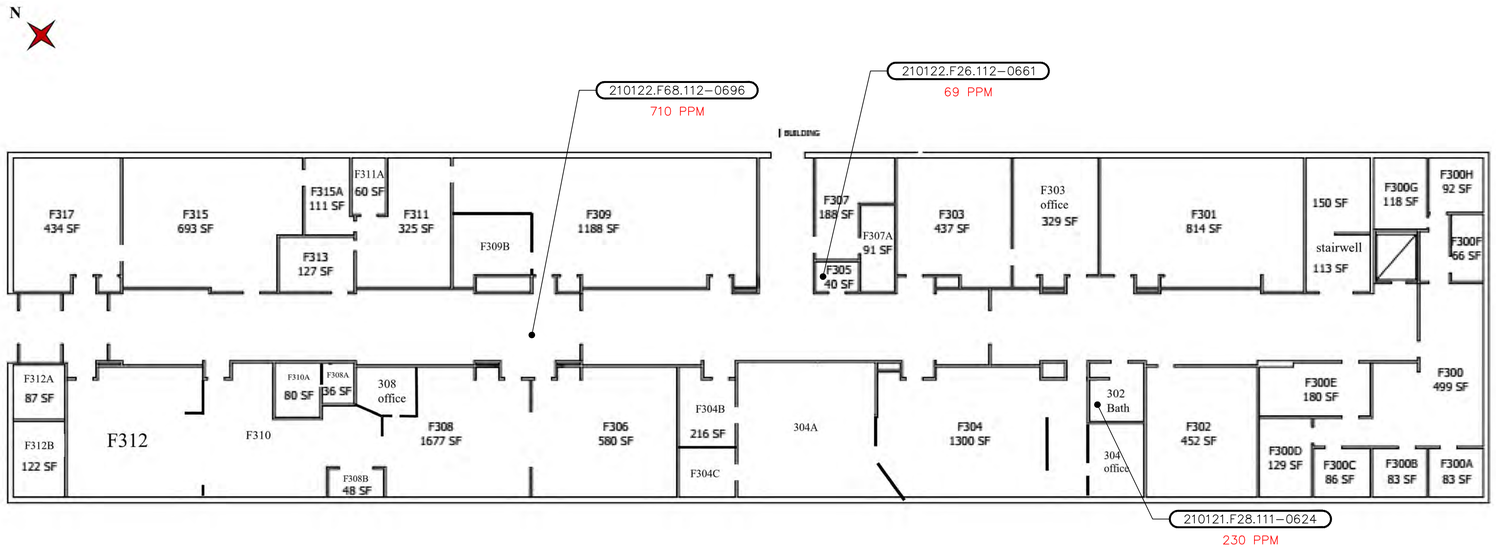
BURLINGTON SCHOOL DISTRICT
BUILDING F - 2ND FLOOR
TILE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F2-13



BUILDING F – 3RD FLOOR
TILE ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
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DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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BUILDING F - 3RD FLOOR
TILE ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
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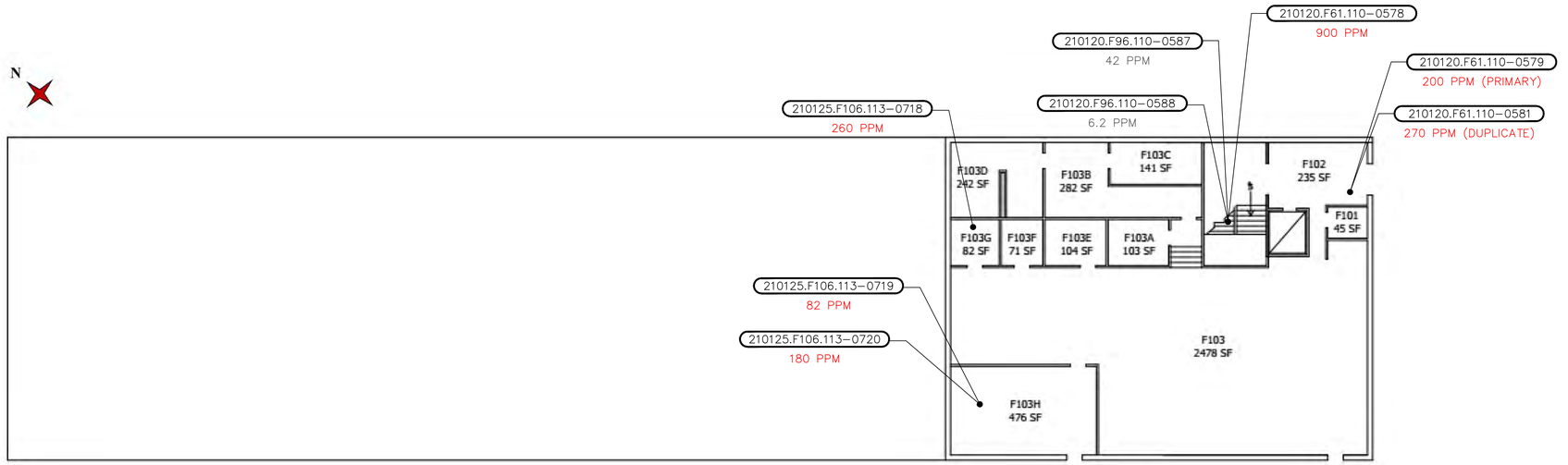
PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F3-13

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM09_BLDG_F.dwg Layout: HM-F3-13 Plotted: 2021-10-14 3:37 PM Saved: 2021-10-13 4:29 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 1ST FLOOR
TILE MASTIC
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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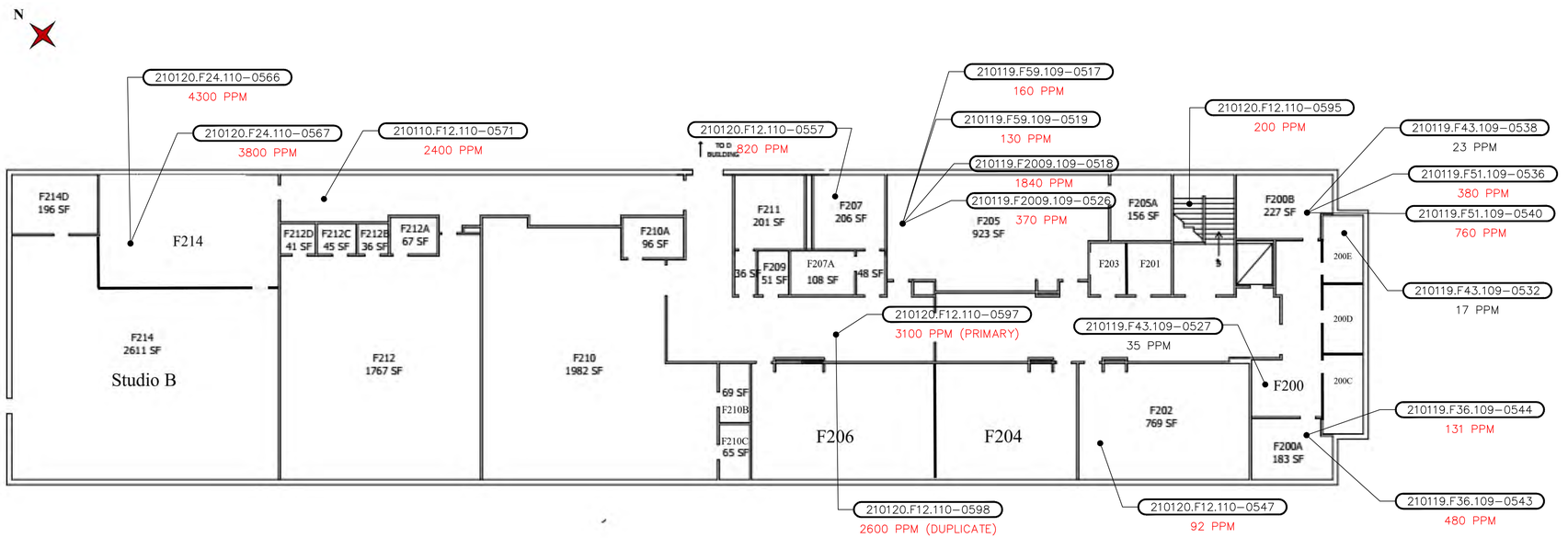
BURLINGTON SCHOOL DISTRICT
BUILDING F - 1ST FLOOR
TILE MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F1-14

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM10_BLDG_F.dwg Layout: HM-F1-14 Plotted: 2021-10-14 3:43 PM Saved: 2021-10-13 4:26 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 2ND FLOOR
TILE MASTIC
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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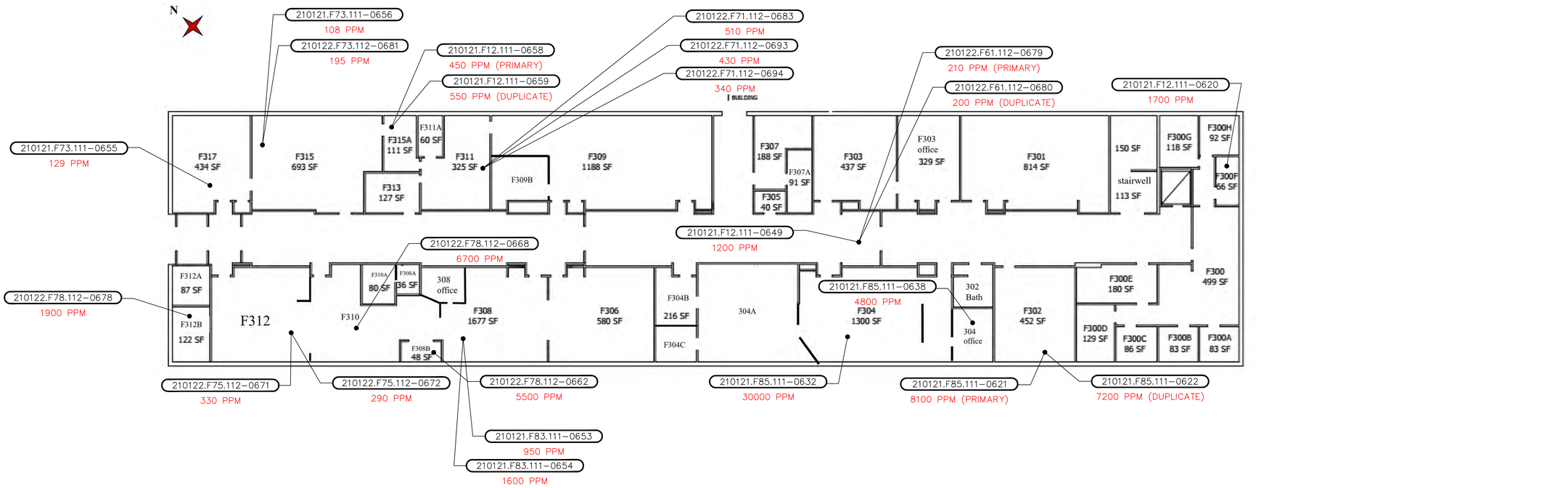
BURLINGTON SCHOOL DISTRICT
BUILDING F - 2ND FLOOR
TILE MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F2-14



BUILDING F – 3RD FLOOR
TILE MASTIC
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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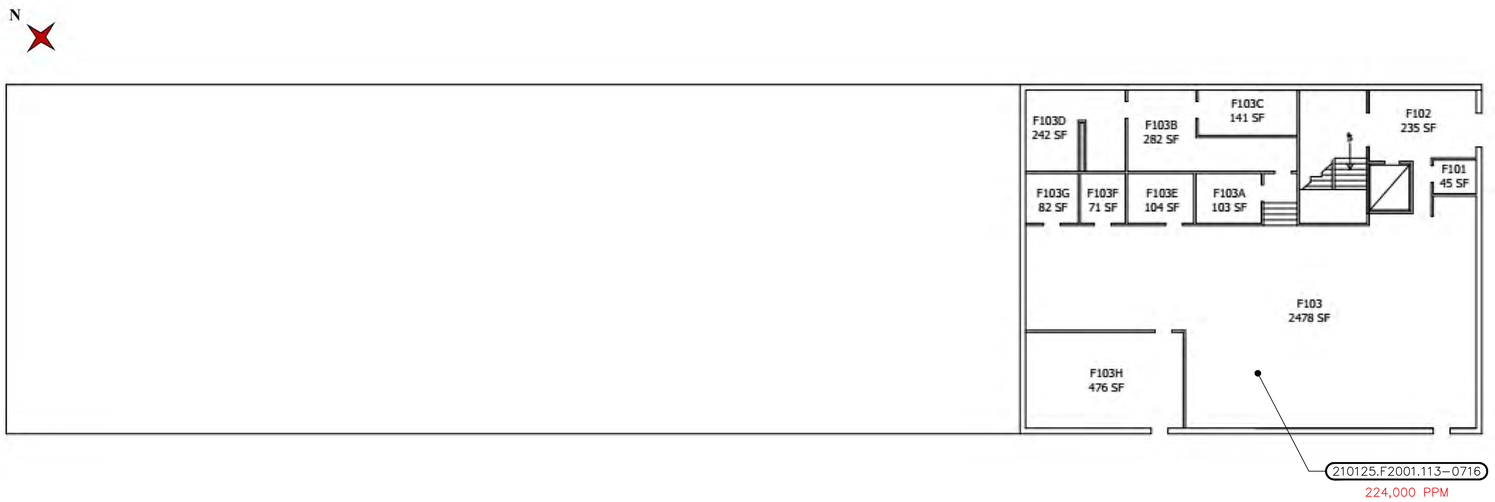
BUILDING F - 3RD FLOOR
TILE MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F3-14

File: J:\DWG\P\20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM10_BLDG_F.dwg Layout: HM-F3-14 Plotted: 2021-10-14 3:44 PM Saved: 2021-10-13 4:26 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 1ST FLOOR
EXPANSION JOINT CAULKING
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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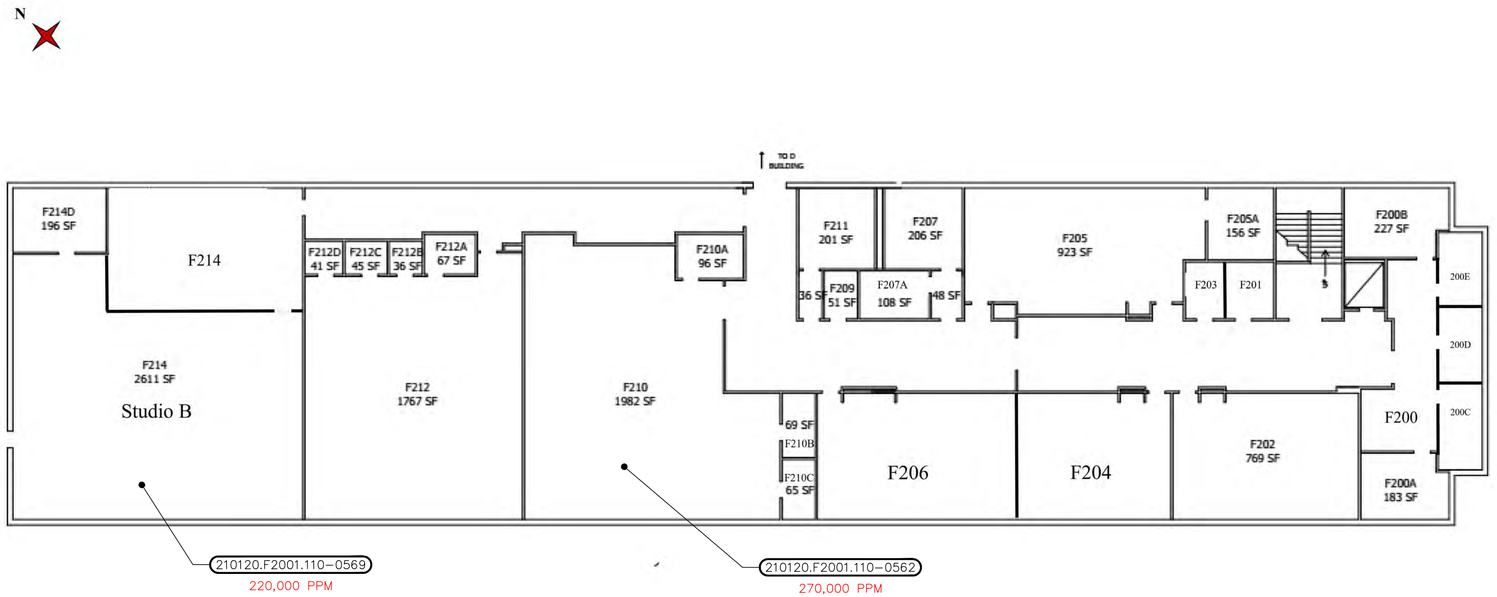
BURLINGTON SCHOOL DISTRICT
BUILDING F - 1ST FLOOR
EXPANSION JOINT CAULKING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F1-19

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM10_BLDG_F.dwg Layout: HM-F1-19 Plotted: 2022-01-03 12:17 PM Saved: 2022-01-03 12:16 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 2ND FLOOR
EXPANSION JOINT CAULKING

NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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BUILDING F - 2ND FLOOR
EXPANSION JOINT CAULKING PLAN

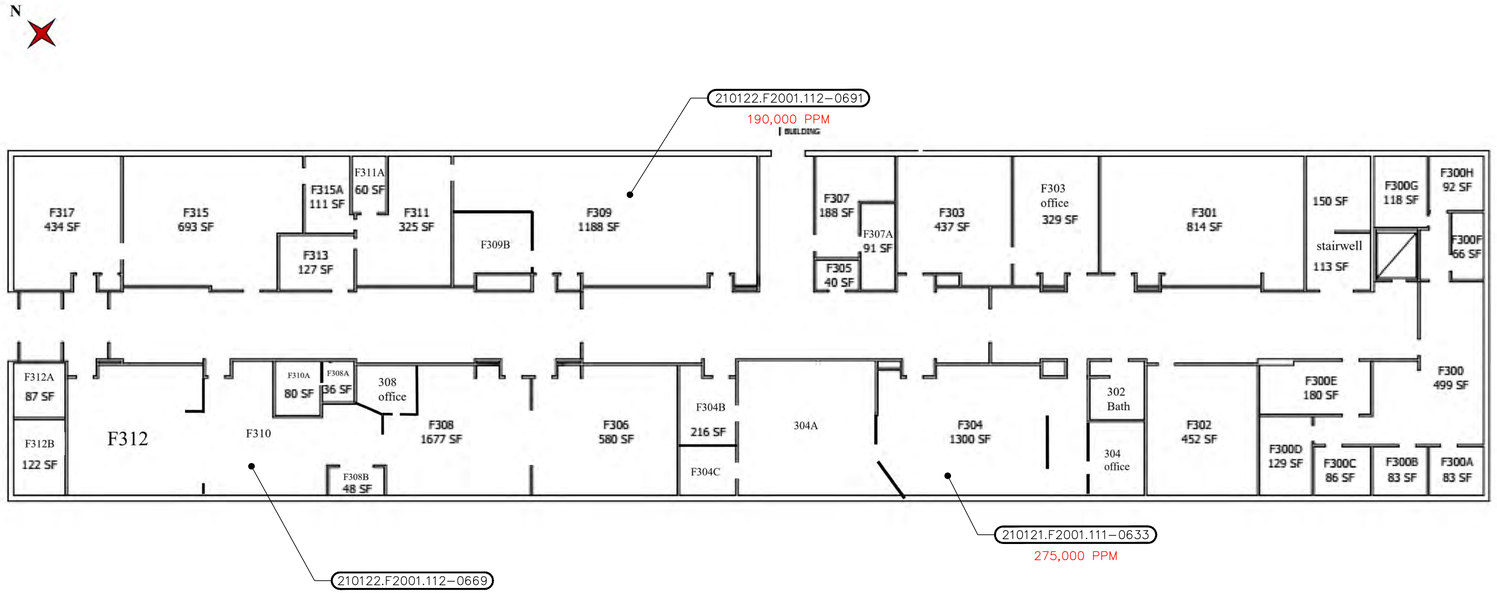
BHS PCB SITE INVESTIGATION

BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F2-19

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM10_BLDG_F.dwg Layout: HM-F2-19 Plotted: 2022-01-03 12:18 PM Saved: 2022-01-03 12:16 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 3RD FLOOR
EXPANSION JOINT CAULKING
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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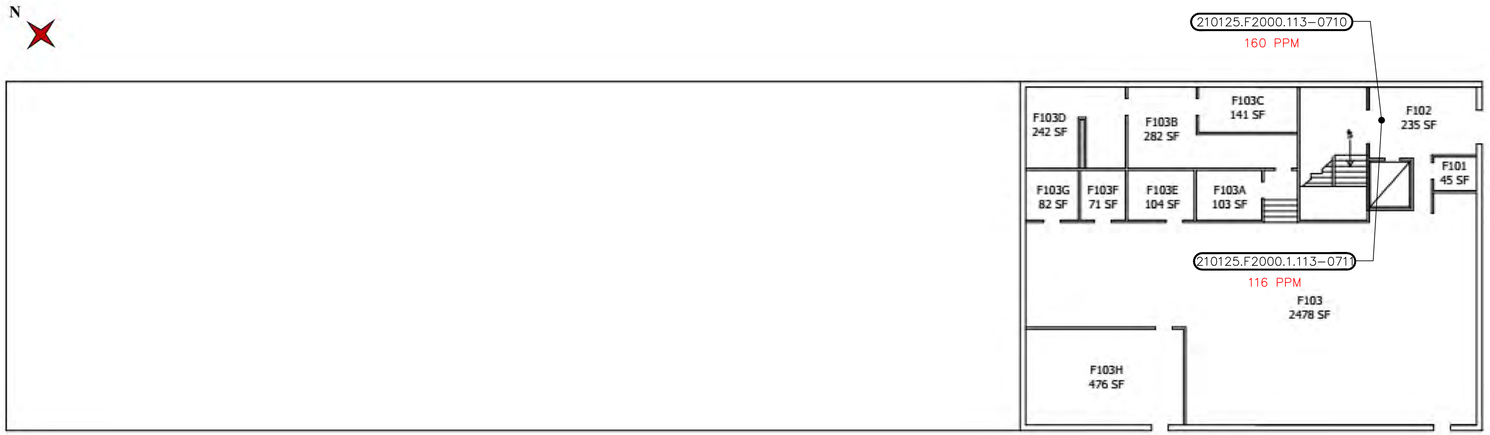
BURLINGTON SCHOOL DISTRICT
BUILDING F - 3RD FLOOR
EXPANSION JOINT CAULKING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F3-19

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM10_BLDG_F.dwg Layout: HM-F3-19 Plotted: 2022-01-03 12:19 PM Saved: 2022-01-03 12:16 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 1ST FLOOR
WINDOW GLAZING
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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BUILDING F - 1ST FLOOR WINDOW GLAZING PLAN

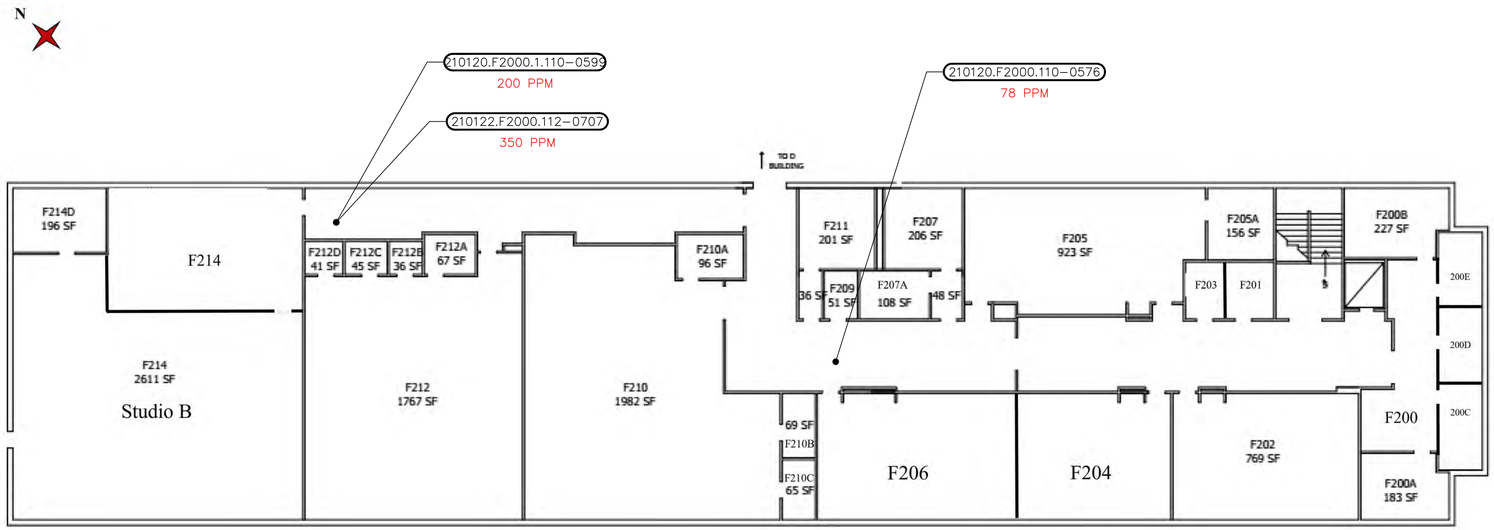
BHS PCB SITE INVESTIGATION

BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F1-20

File: J:\DWG\P2019\14000A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM10_BLDG_F.dwg Layout: HM-F1-20 Plotted: 2021-10-14 3:45 PM Saved: 2021-10-13 4:26 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 2ND FLOOR
WINDOW GLAZING
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

FUSS & O'NEILL
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BURLINGTON SCHOOL DISTRICT

BUILDING F - 2ND FLOOR WINDOW GLAZING PLAN

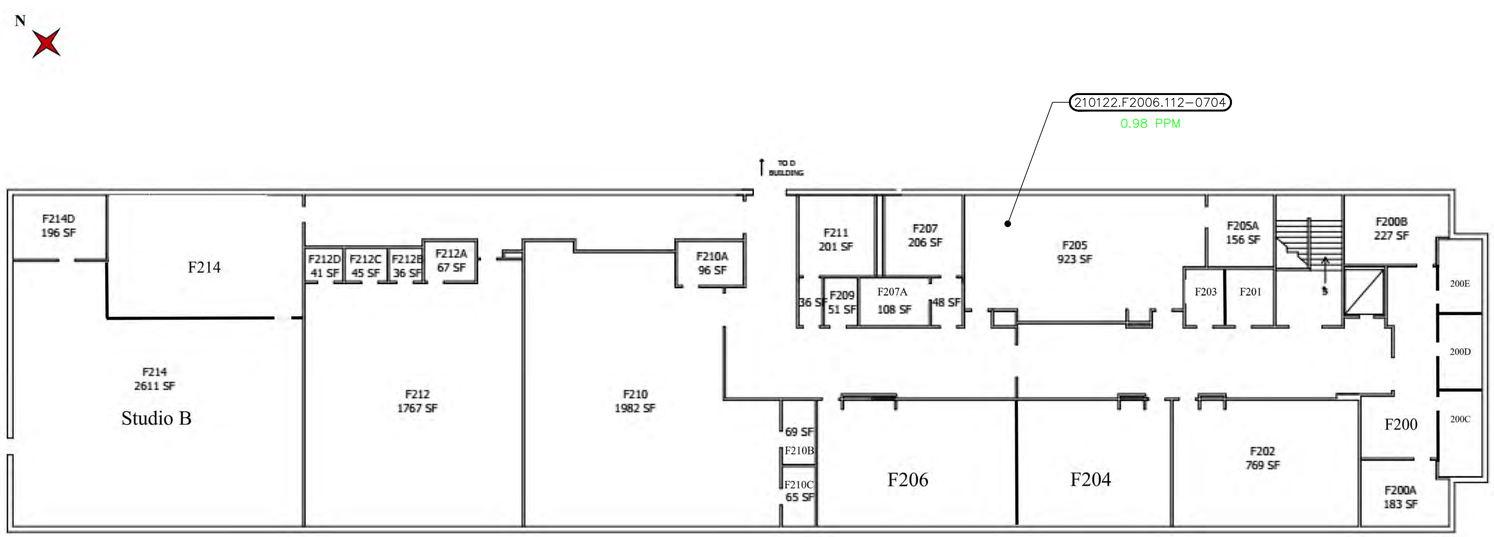
BHS PCB SITE INVESTIGATION

BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F2-20

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM10_BLDG_F.dwg Layout: HM-F2-20 Plotted: 2021-10-14 3:46 PM Saved: 2021-10-13 4:26 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 2ND FLOOR
BULLETIN CHALKBOARD ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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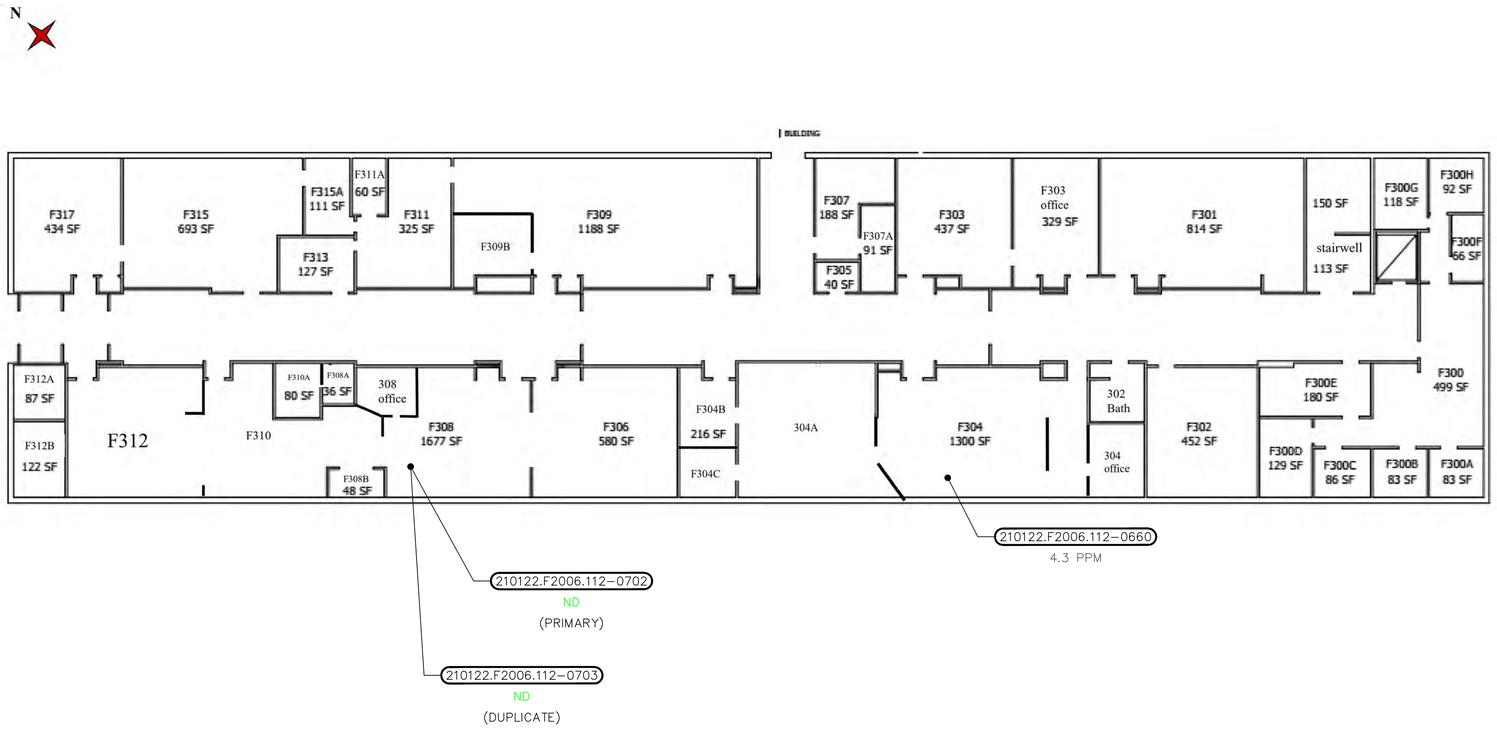
BURLINGTON SCHOOL DISTRICT
BUILDING F - 2ND FLOOR
BULLETIN CHALKBOARD ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F2-22

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM10_BLDG_F.dwg Layout: HM-F2-22 Plotted: 2022-01-03 1:12 PM Saved: 2022-01-03 1:11 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 3RD FLOOR
BULLETIN CHALKBOARD ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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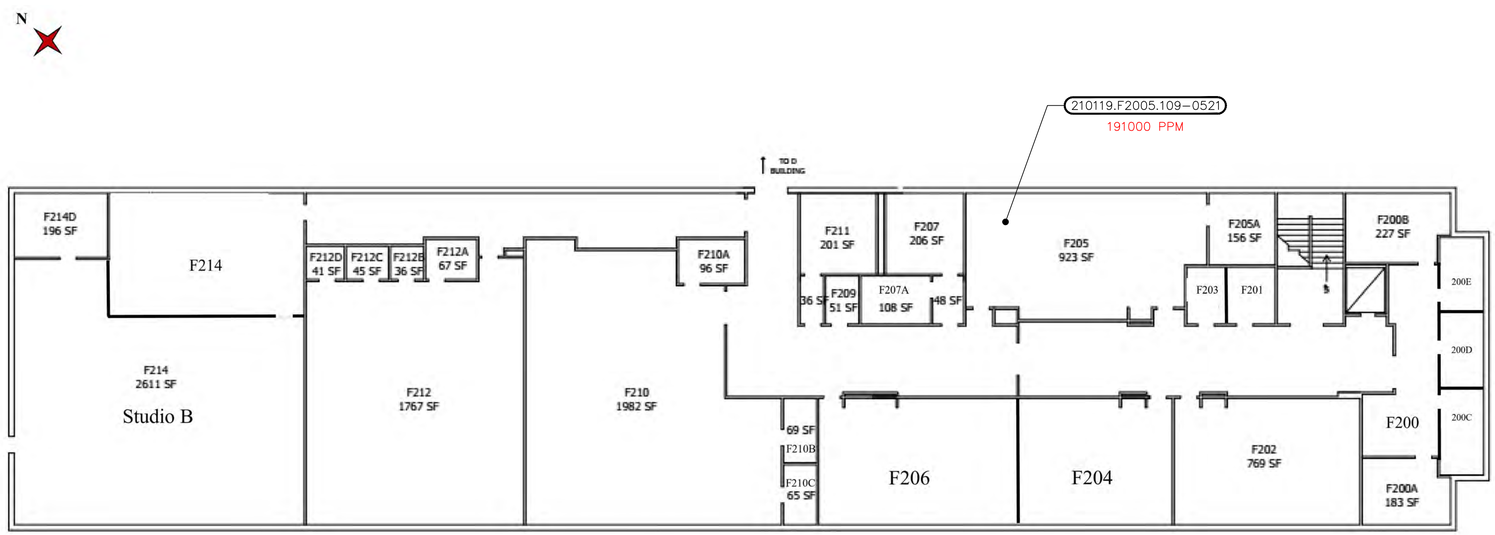
BURLINGTON SCHOOL DISTRICT
BUILDING F - 3RD FLOOR
BULLETIN CHALKBOARD ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F3-22

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM10_BLDG_F.dwg Layout: HM-F3-22 Plotted: 2022-01-03 1:18 PM Saved: 2022-01-03 1:17 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 2ND FLOOR
CMU–PLASTER WALL CAULKING
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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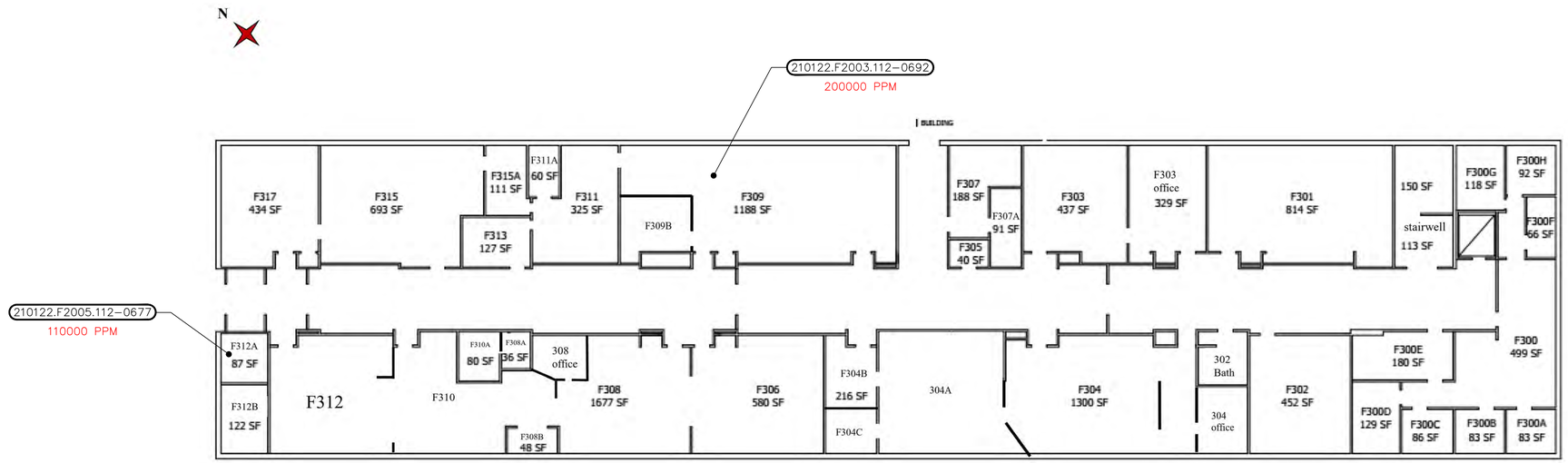
BURLINGTON SCHOOL DISTRICT
BUILDING F - 2ND FLOOR
CMU-PLASTER WALL CAULKING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F2-25

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM10_BLDG_F.dwg Layout: HM-F2-25 Plotted: 2021-10-14 3:47 PM Saved: 2021-10-13 4:26 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 3RD FLOOR
CMU–PLASTER WALL CAULKING
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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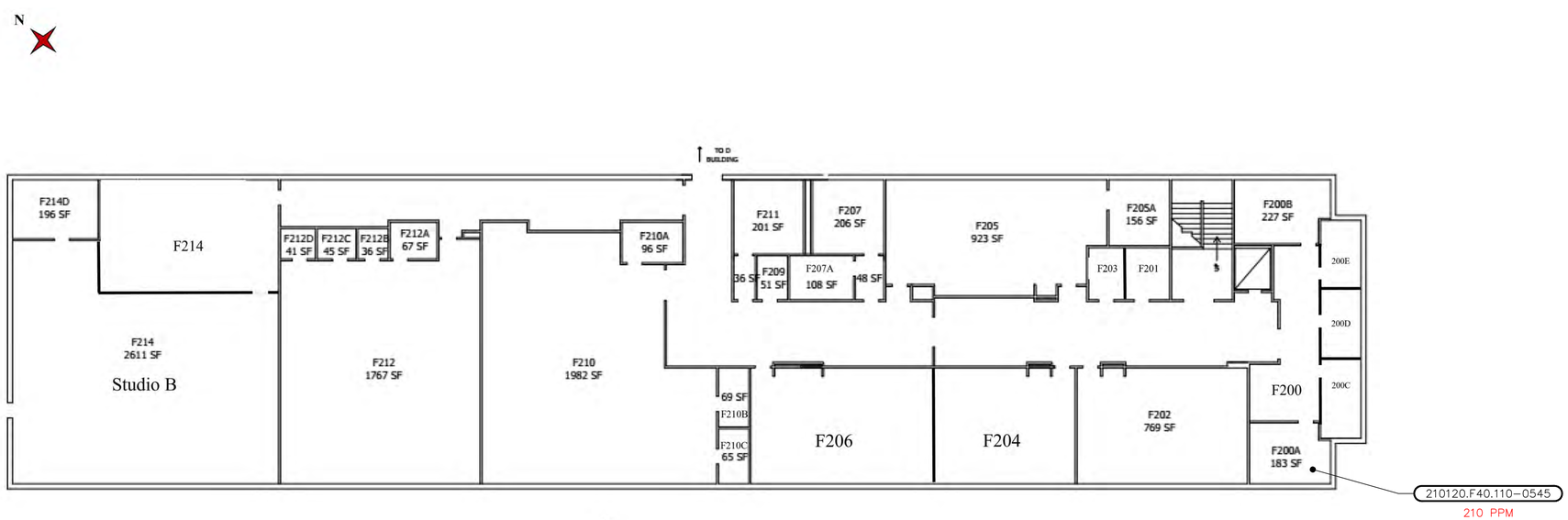
BURLINGTON SCHOOL DISTRICT
BUILDING F - 3RD FLOOR
CMU-PLASTER WALL CAULKING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F3-25



BUILDING F – 2ND FLOOR
COUNTER TOP CAULKING
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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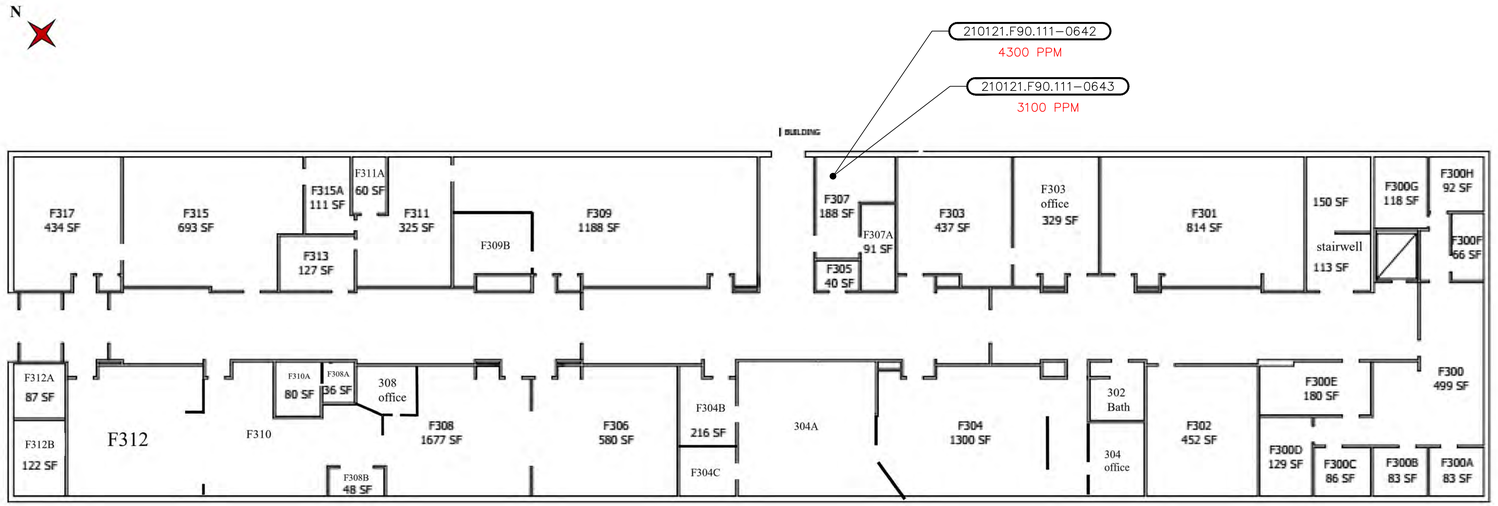
BURLINGTON SCHOOL DISTRICT
BUILDING F - 2ND FLOOR
COUNTER TOP CAULKING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F2-26

File: J:\DWG\P2019\1400\A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM10_BLDG_F.dwg Layout: HM-F2-26 Plotted: 2021-10-14 3:48 PM Saved: 2021-10-13 4:26 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 3RD FLOOR
WOOD TRIM ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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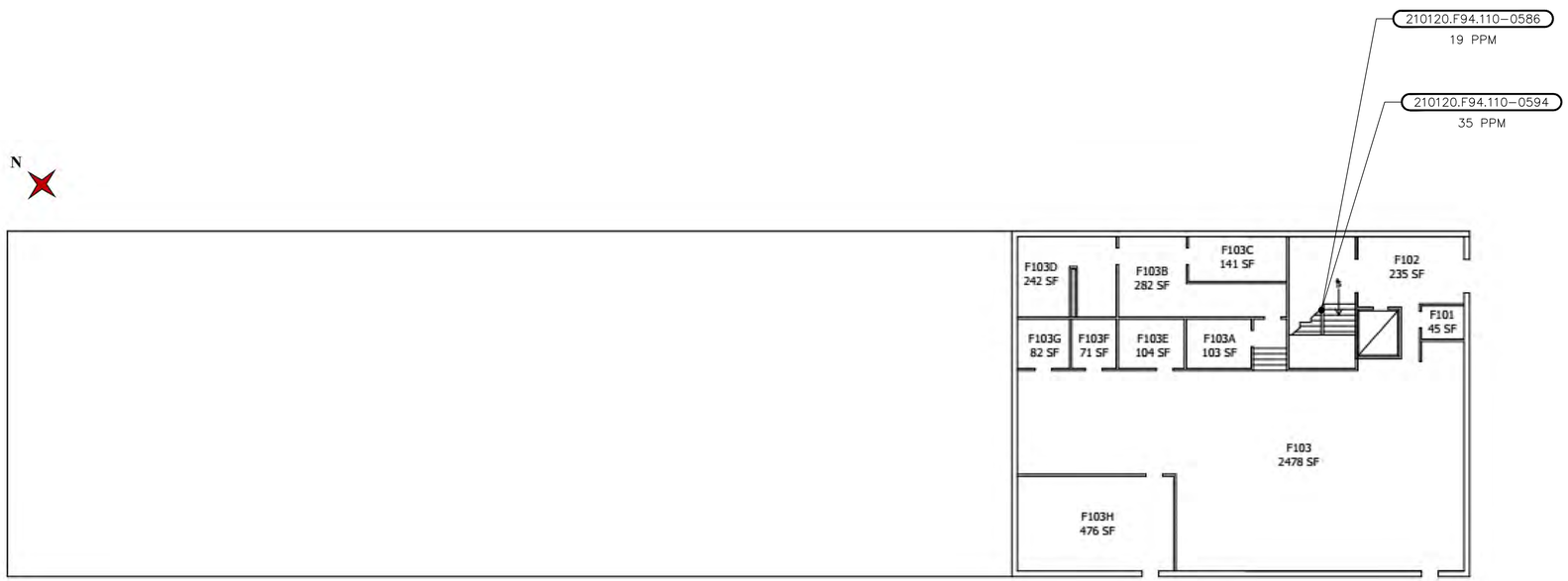
BURLINGTON SCHOOL DISTRICT
BUILDING F - 3RD FLOOR
WOOD TRIM ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F3-28

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM10_BLDG_F.dwg Layout: HM-F3-27 Plotted: 2021-10-14 3:49 PM Saved: 2021-10-13 4:26 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 1ST FLOOR
STAIR TREAD MASTIC
NOT TO SCALE

LEGEND

210107.A94.103-0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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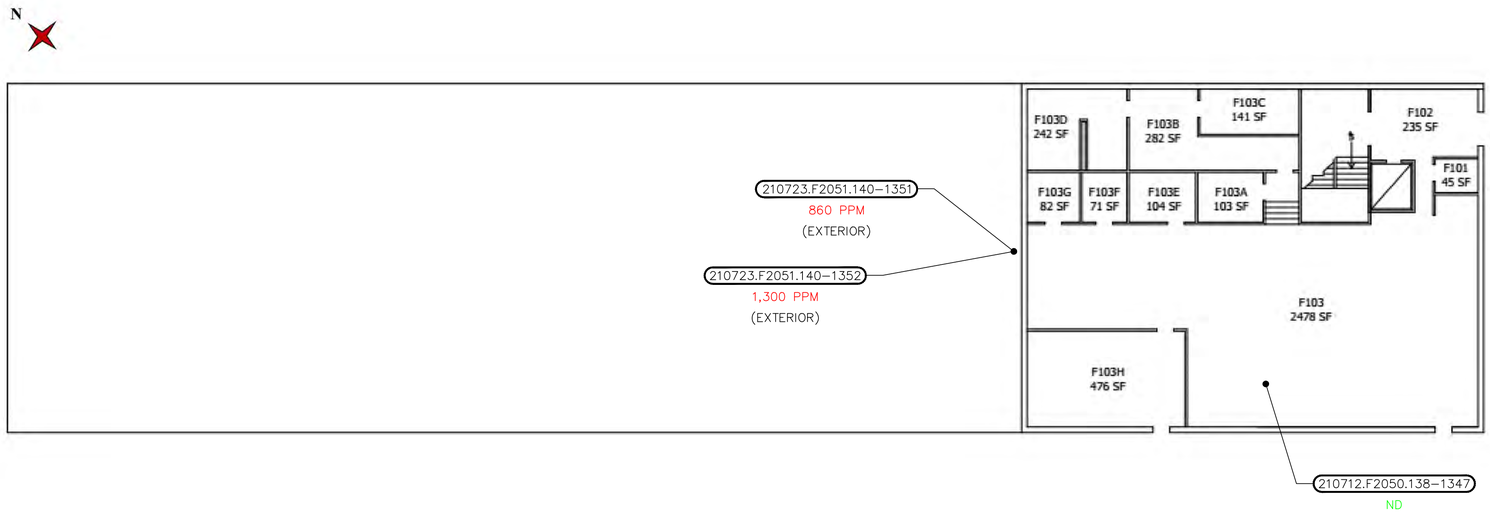
BURLINGTON SCHOOL DISTRICT
BUILDING F - 1ST FLOOR
STAIR TREAD MASTIC PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F1-28

File: J:\DWG\P2019\14400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM10_BLDG_F.dwg Layout: HM-F1-28 Plotted: 2021-10-14 3:50 PM Saved: 2021-10-13 4:26 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 1ST FLOOR
VAPOR BARRIER
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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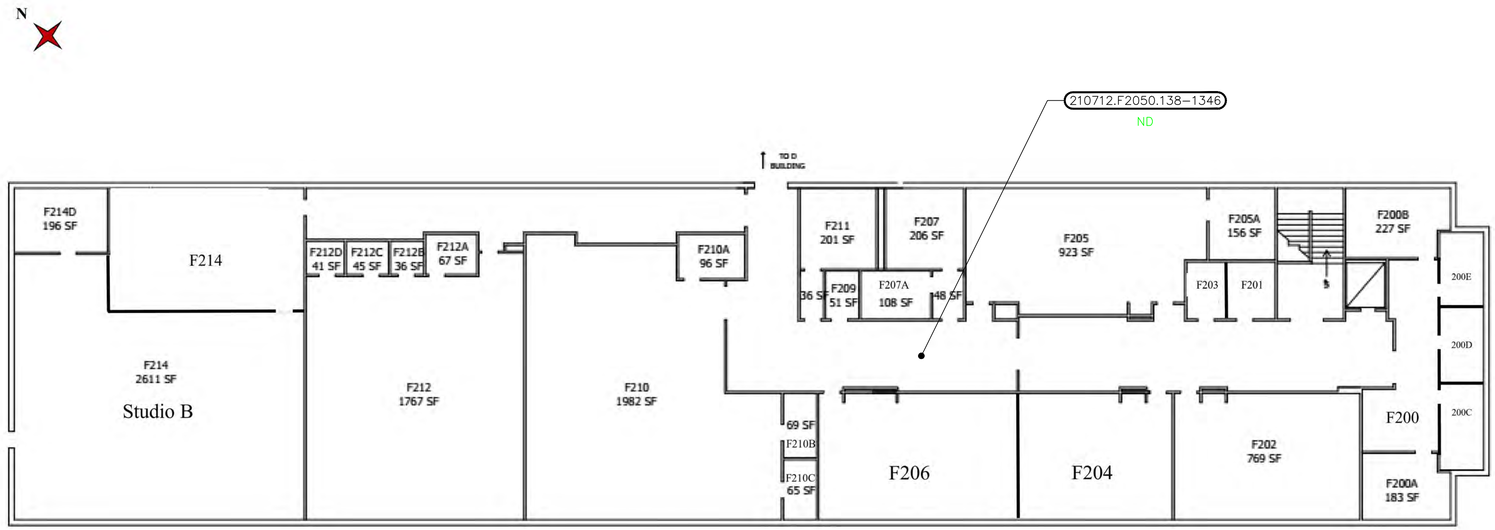
BURLINGTON SCHOOL DISTRICT
BUILDING F - 1ST FLOOR
VAPOR BARRIER PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F1-34

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM10_BLDG_F.dwg Layout: HM-F1-34 Plotted: 2022-01-03 1:33 PM Saved: 2022-01-03 1:32 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 2ND FLOOR
VAPOR BARRIER
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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BURLINGTON SCHOOL DISTRICT

BUILDING F - 2ND FLOOR VAPOR BARRIER PLAN

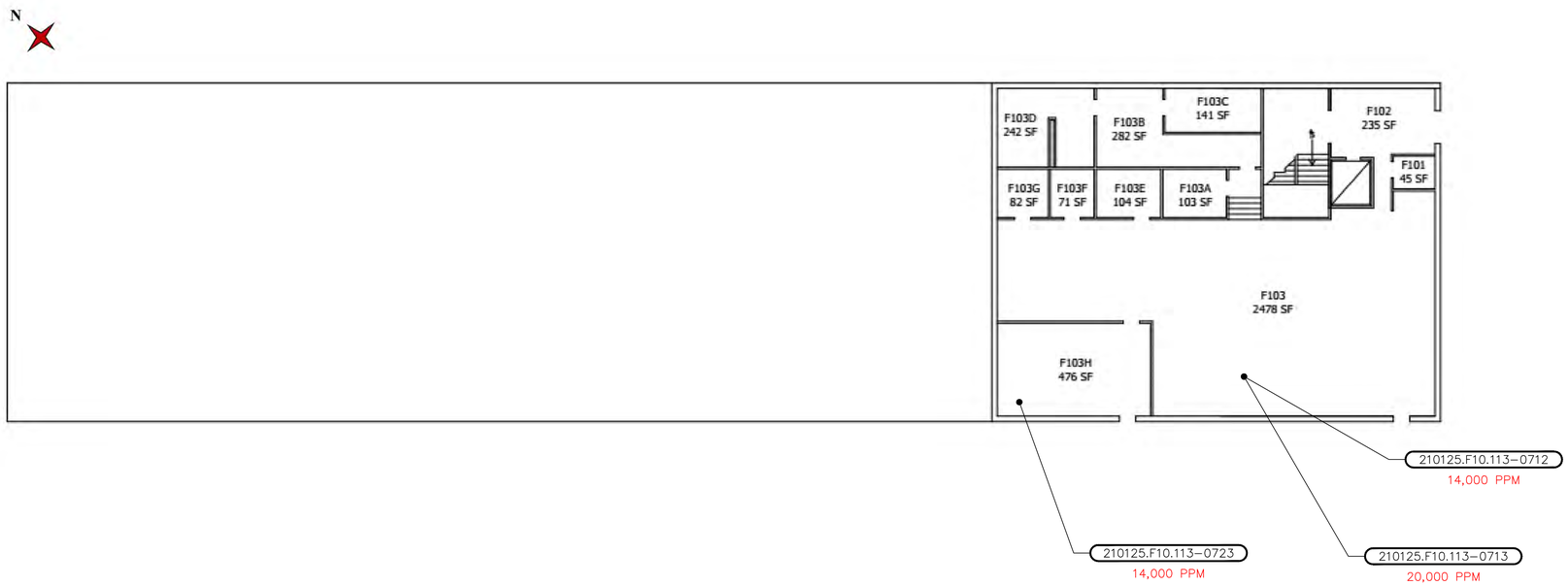
BHS PCB SITE INVESTIGATION

BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F2-34

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM10_BLDG_F.dwg Layout: HM-F2-34 Plotted: 2022-01-03 1:34 PM Saved: 2022-01-03 1:32 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 1ST FLOOR
SPRAY–ON INSULATION

NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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BURLINGTON SCHOOL DISTRICT

BUILDING F - 1ST FLOOR
SPRAY-ON INSULATION PLAN

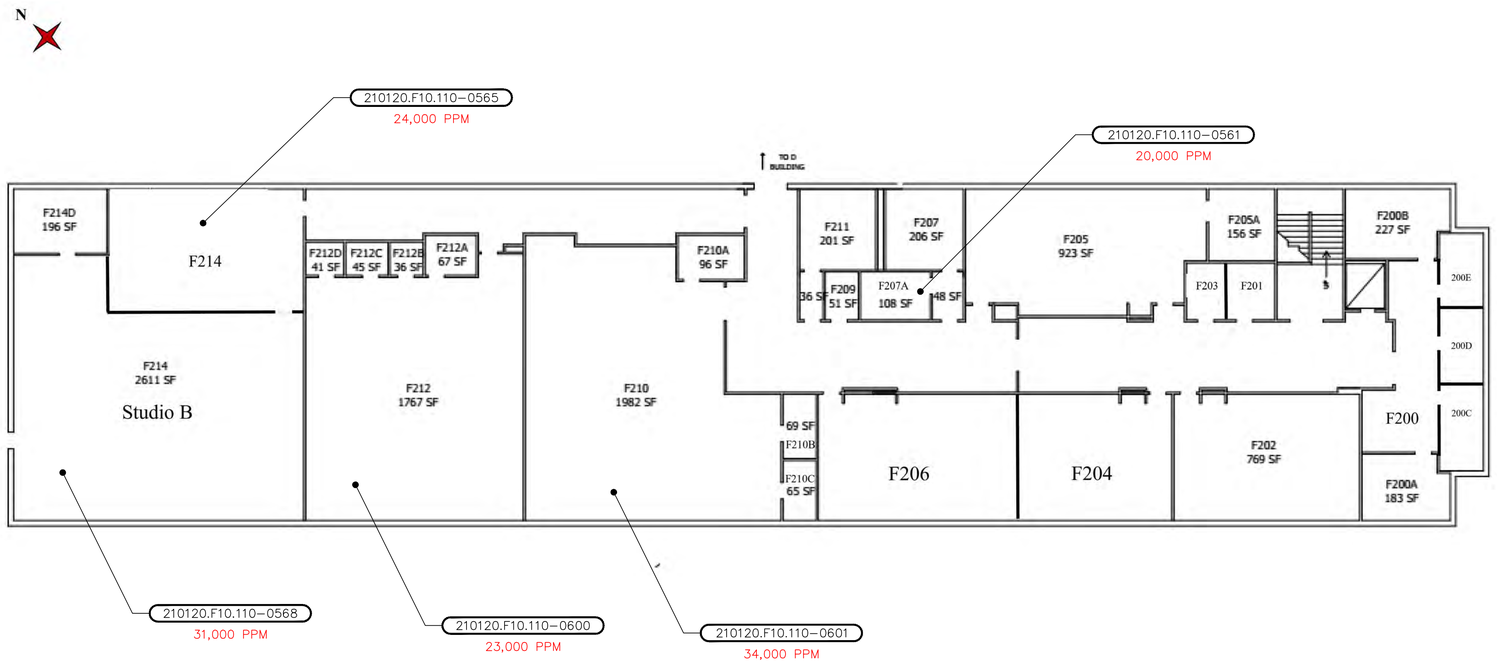
BHS PCB SITE INVESTIGATION

BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F1-41

File: J:\DWG\P2019\1400A\10\Environmental\Plan\Bulk Sampling\20191400A10_SAM10_BLDG_F.dwg Layout: HM-F1-41 Plotted: 2022-01-03 11:57 AM Saved: 2022-01-03 11:54 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 2ND FLOOR
SPRAY–ON INSULATION
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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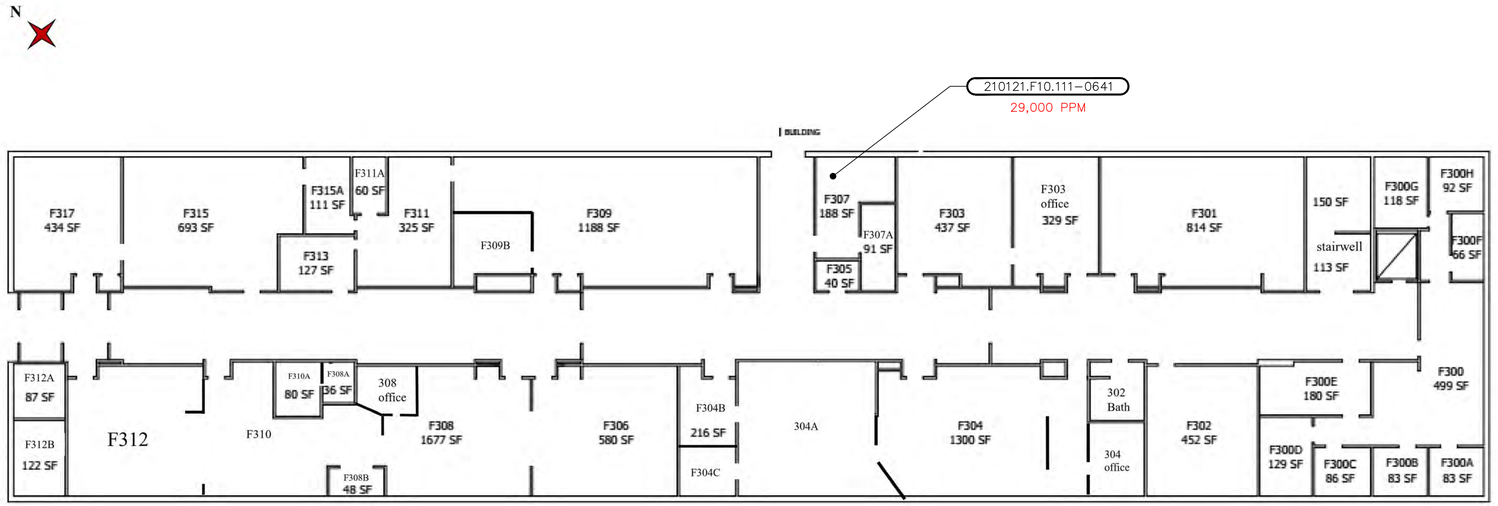
BURLINGTON SCHOOL DISTRICT
BUILDING F - 2ND FLOOR
SPRAY-ON INSULATION PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F2-41



BUILDING F – 3RD FLOOR
SPRAY–ON INSULATION
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
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52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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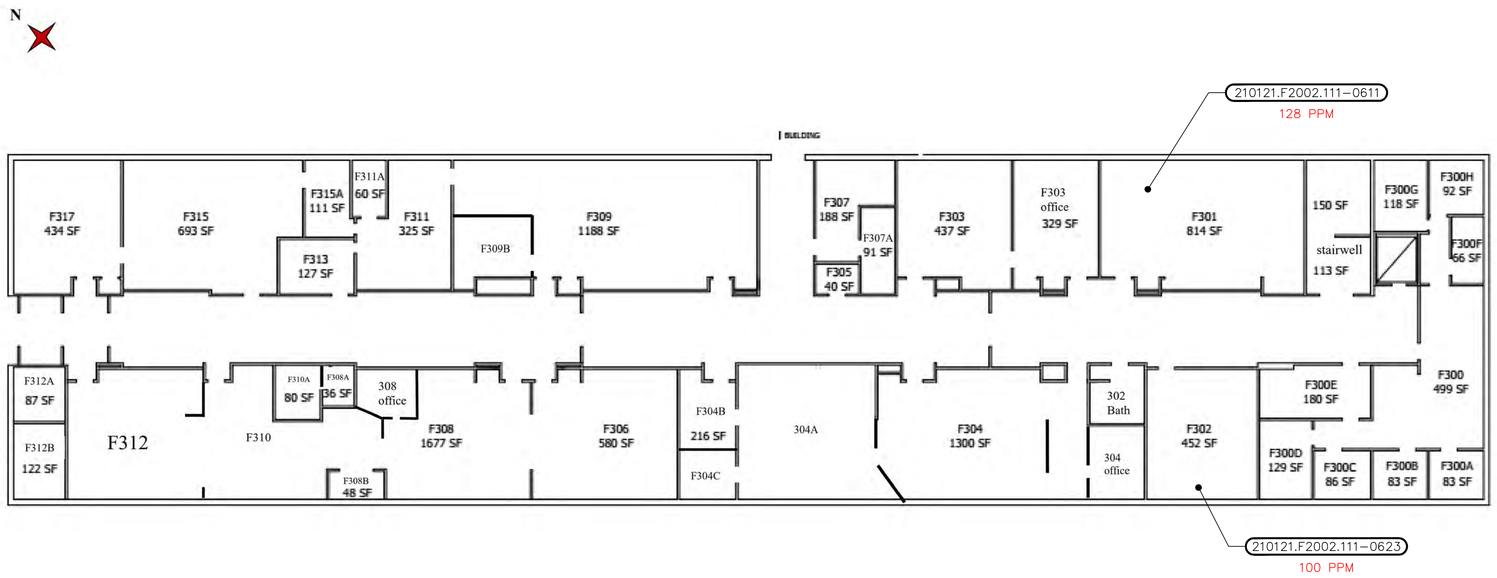
BURLINGTON SCHOOL DISTRICT
BUILDING F - 3RD FLOOR
SPRAY-ON INSULATION PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F3-41

File: J:\DWG\P20191400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM10_BLDG_F.dwg Layout: HM-F3-41 Plotted: 2022-01-03 11:58 AM Saved: 2022-01-03 11:54 AM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 3RD FLOOR
COUNTER ADHESIVE
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

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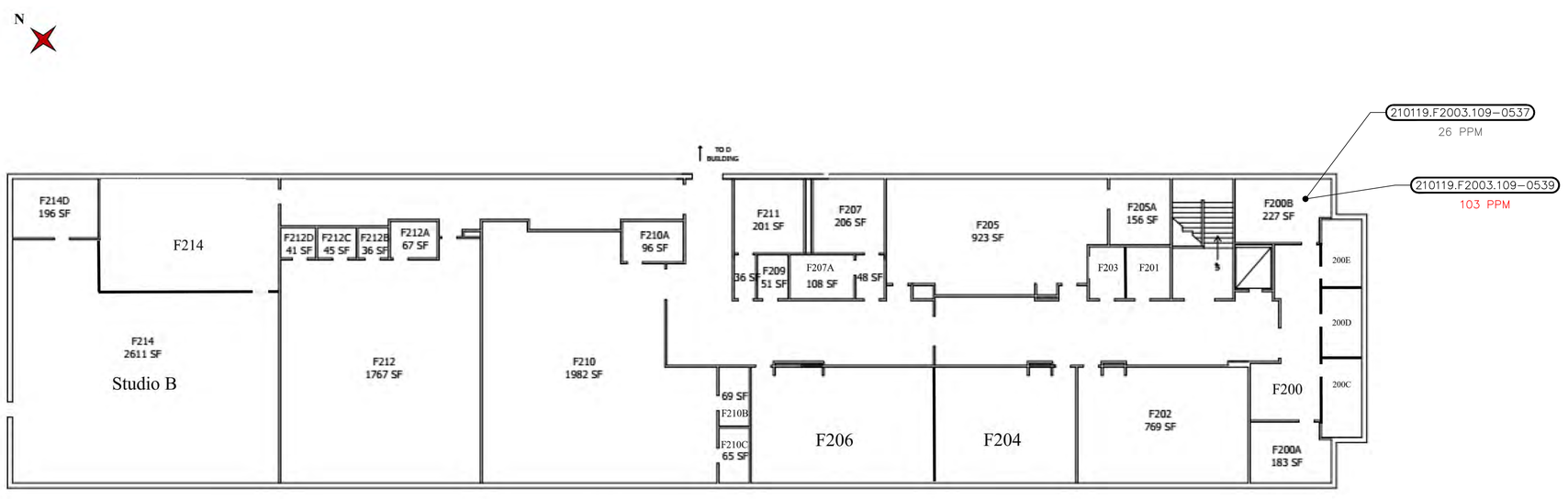
BURLINGTON SCHOOL DISTRICT
BUILDING F - 3RD FLOOR
COUNTER ADHESIVE PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F3-42

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM10_BLDG_F.dwg Layout: HM-F3-42 Plotted: 2022-01-03 12:38 PM Saved: 2022-01-03 12:37 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:



BUILDING F – 2ND FLOOR
WOOD CABINET CAULKING
NOT TO SCALE

LEGEND

210107.A94.103–0162	SAMPLE ID NUMBER
1 PPM	POLYCHLORINATED BIPHENYL CONCENTRATION IN PART PER MILLION (PPM)
0.43 PPM	PCB CONCENTRATION < 1 PPM
2.0 PPM	PCB CONCENTRATION > 1 PPM AND < 50 PPM
52 PPM	PCB CONCENTRATION > 50 PPM

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SEAL

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

FUSS & O'NEILL
205 BILLINGS FARMS ROAD, SUITE 6B
WHITE RIVER JUNCTION, VT 05001
802.698.0370
www.fando.com

BURLINGTON SCHOOL DISTRICT
BUILDING F - 2ND FLOOR
WOOD CABINET CAULKING PLAN
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400A10
DATE: SEPTEMBER 2021

HM-F2-43

File: J:\DWG\P2019\1400A10\Environmental\Plan\Bulk Sampling\20191400A10_SAM10_BLDG_F.dwg Layout: HM-F2-43 Plotted: 2022-01-03 1:01 PM Saved: 2022-01-03 1:00 PM User: SMcWhirter
PC3: NONE STB/CTB: FO.STB
LAYER STATE:
MS VIEW:

Appendix E

Master Data Tables

Building B - Bulk and Substrate Material Sampling Summary

Homogenous Material	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling - September 2020 Results (ng/m³)	Comments	Asbestos Results %	Substrate (Indicate if Painted or Unpainted)	Specific collection location	ATC Comments	Sample ID Number (Date . H# . Photo ID #)	Total PCB Aroclor Results (ppm)	Substrate 1/4" Depth Sample ID and Results (ppm)	Substrate 1/4"-1/2" Depth Sample ID and Result	Substrate 1/2" - 3/4" Depth Sample ID and Results (ppm)	Substrate 3/4" - 1 1/4" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	ATC Comments	Proposed Waste Category
																				Concrete				Concrete		Brick		Plaster		Gypsum Wall Board (GWB)		Concrete Masonry Unit (CMU)			
B01	Roof Deck Material	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	14 Rooms	2063	sq. ft.	0					ND																					
B01	Roof Deck Material	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	200	442	sq. ft.																											
B01	Roof Deck Material	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	200B	64	sq. ft.																											
B01	Roof Deck Material	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	200C	64	sq. ft.																											
B01	Roof Deck Material	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	200D	25	sq. ft.																											
B01	Roof Deck Material	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	201	678	sq. ft.																											
B01	Roof Deck Material	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	202	1458	sq. ft.				100																							
B01	Roof Deck Material	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	204	736	sq. ft.																											
B01	Roof Deck Material	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	206	742	sq. ft.																											
B01	Roof Deck Material	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	208	659	sq. ft.																											
B01	Roof Deck Material	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	209	646	sq. ft.				110																							
B01	Roof Deck Material	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	210	47	sq. ft.																											
B01	Roof Deck Material	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	211	62	sq. ft.																											
B01	Roof Deck Material	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	212	614	sq. ft.																											
B01	Roof Deck Material	Roof Deck Material	Acoustical Fiberglass Roof Deck Material		2	LibraryBalcony	592	sq. ft.																											
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		Multiple	23 Rooms	1331	sq. ft.	12	Varies	363			ND																					TBD
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	101	628	sq. ft.	1	throughout	363				suspended metal grid	north center section	one (1) sample collected.	210111.B15.105-0285	0.32																
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	101D	121	sq. ft.		throughout	363																								
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	101F	256	sq. ft.	1	throughout	363				suspended metal grid	south center section	one (1) sample collected.	210111.B15.105-0286	0.37																
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	101Hallway	62	sq. ft.		throughout	363																								
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	102Classroom	190	sq. ft.			363																								
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	102Math lab, off Library	50	sq. ft.	1	throughout	363				suspened metal grid	west center section	one (1) sample collected.	210111.B15.105-0283	0.30																
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	103Library	1190	sq. ft.	1		363	47			suspended metal grid	northwest section	one (1) sample collected.	210111.B15.105-0294	0.23																
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	103A	190	sq. ft.			363																								
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	103B	102	sq. ft.	1		363	47					VOID - Material is not B15. Only B17 suspended ceiling tile in room.	VOID																	
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	103C	223	sq. ft.	1		363	270			suspended metal grid	west center section	one (1) sample collected.	210111.B15.105-0315	0.74																
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	103D	92	sq. ft.			363																								
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	103E	213	sq. ft.	1		363				suspended metal grid	west center section	one (1) sample collected.	210111.B15.105-0323	ND																
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	104IT Area	304	sq. ft.	1	Throughout	363	27			suspended metal grid	west center section	one (1) sample collected.	210111.B15.105-0304	0.40																
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	106Bathroom	32	sq. ft.		Entry Only	363																								
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	110Bathroom	32	sq. ft.		Entry Only	363																								
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	Lobby/ East Hall and Stair	285	sq. ft.	1		363				suspended metal grid	middle level, south center section	one (1) sample collected.	210111.B15.105-0327	1.0																PCB Remedial Waste
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	201	39	sq. ft.		southeast section only	363																								
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	202	39	sq. ft.	1	northeast section	363	100			suspended metal grid	northwest section	one (1) sample collected.	210113.B15.106-0357	2.9																PCB Remedial Waste
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	204	39	sq. ft.		northwest section	363																								
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	206	39	sq. ft.		northeast section	363																								
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	208	22	sq. ft.		northwest section	363																								
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	209	39	sq. ft.	1	southeast section	363	110			suspended metal grid	southeast section	one (1) sample collected.	210113.B15.106-0378	0.64																
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	Hallway	577	sq. ft.	1	throughout	363				suspended metal grid	west end, north section	one (1) sample collected.	210113.B15.106-0361	ND																
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	East Stairs	326	sq. ft.																											
B15	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures			West Stairs	150	sq. ft.																											
B16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		Multiple	6 Rooms	0	sq. ft.	3		371			ND																					Not Regulated
B16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		1	102Classroom	190	sq. ft.			371																								
B16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		1	102Math lab, off Library	50	sq. ft.		throughout	371																								
B16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		1	103Library	1190	sq. ft.	1		371	47			suspended grid	center section	one (1) sample collected.	210111.B16.105-0293	0.55																
B16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		1	104IT Area	304	sq. ft.	1	Throughout	371	27			suspended grid	west center section	one (1) sample collected.	210111.B16.105-0305	0.58																
B16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		1	Lobby/ East Hall and Stair	285	sq. ft.			371																								
B16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		2	Hallway	577	sq. ft.	1	throughout	371				suspended metal grid	west end, north section	one (1) sample collected.	210113.B16.106-0362	0.87																
B16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Short Fissures with Pinholes		2	East Stairs	150	sq. ft.	1	throughout	371																								
B17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		Multiple	7 Rooms	0	sq. ft.	3		362			ND																					TBD
B17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		1	102Classroom	190	sq. ft.			362																								
B17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		1	102Math lab, off Library	50	sq. ft.		throughout	362																								
B17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		1	103Library	1190	sq. ft.	1		362	47			suspended grid	center section	one (1) sample collected.	210111.B17.105-0292	0.64																
B17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		1	103B	102	sq. ft.			362	47																							
B17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		1	104IT Area	304	sq. ft.	1	Throughout	362	27			suspended grid	north center section	one (1) sample collected.	210111.B17.105-0306	0.88																
B17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		1	Lobby/ East Hall and Stair	285	sq. ft.			362																								
B17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		2	Hallway	577	sq. ft.	1	throughout	362				suspended grid	west end, north section	one (1) sample collected.	210113.B17.106-0363	1.9																PCB Remedial Waste
B17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with Fissures and Dense Pinholes		2	East Stairs	150	sq. ft.																											
B18	Covebase	Covebase	4" Brown (older)		1	Lobby/ East Hall and Stair	0	sq. ft.	0	mid landing only	380		Only test mastic for PCBs at this time	ND																					
B18	Covebase	Covebase	4" Brown (older)		1	Lobby/ East Hall and Stair	21	sq. ft.		mid landing only	380																								
B18	Covebase	Covebase	4" Brown (older)		2	East Stairs	20	sq. ft.																											
B18	Covebase	Covebase	4" Brown (older)			West Stairs	62	sq. ft.																											
B19	Adhesive	4" Covebase Adhesive	associated with B18		1	1 Room	0	sq. ft.	2	mid landing only	380			ND																					Potentially Excluded PCB Product
B19	Adhesive	4" Covebase Adhesive	associated with B18		1	Lobby/ East Hall and Stair	21	sq. ft.	1	mid landing only	380				painted plaster	mid level, north wall, center section	one (1) samples collected.	210113.B19.106-0348	19.7									210317.B19.126-1080 0.20 Aroclor-1254 [2]	210317.B19.126-1081 NA						
B19	Adhesive	4" Covebase Adhesive	associated with B18		2	East Stairs	20	sq. ft.	1						painted plaster	mid level, south wall, east section	one (1) samples collected.	210113.B19.106-0353	16.9																
B19	Adhesive	4" Covebase Adhesive	associated with B18			West Stairs	62	sq. ft.																											
B20	Covebase	Covebase	4" black (original)		Multiple	26 Rooms	1744	sq. ft.	0	Varies	372		Only test mastic for PCBs at this time	ND																					
B20	Covebase	Covebase	4" black (original)		1	101	36	sq. ft.		throughout	372																								
B20	Covebase	Covebase	4" black (original)		1	101ACloset	8	sq. ft.		throughout	372																								
B20	Covebase	Covebase	4" black (original)		1	101D	14	sq. ft.		throughout	372																								
B20	Covebase	Covebase	4" black (original)		1	101EHall Closet	2	sq. ft.		throughout	372																								
B20	Covebase	Covebase	4" black (original)		1	101Hallway	14	sq. ft.		throughout	372																								
B20	Covebase	Covebase	4" black (original)		1	102Classroom	36	sq. ft.			372																								
B20	Covebase	Covebase	4" black (original)		1	102Math lab, off Library	19	sq. ft.		throughout	372																								
B20	Covebase	Covebase	4" black (original)		1	103E	18	sq. ft.			372																								
B20	Covebase	Covebase	4" black (original)		1	103G	10	sq. ft.			372																								
B20	Covebase	Covebase	4" black (original)		1	104IT Area	80	sq. ft.		Throughout	372	27																							
B20	Covebase	Covebase	4" black (original)		1	106Bathroom	8	sq. ft.		Entry Only	372																								
B20	Covebase	Covebase	4" black (original)		1	108 & 108A	24	sq. ft.		Throughout	372																								
B20	Covebase	Covebase	4" black (original)		1	110Bathroom	8	sq. ft.		Entry Only	372																								
B20	Covebase	Covebase	4" Black (original)		1	Lobby/ East Hall and Stair	20	sq. ft.		lobby	372																								
B20	Covebase	Covebase	4" black (original)		2	200	28	sq. ft.		Throughout	372																								
B20	Covebase	Covebase	4" black (original)		2	200B	10	sq. ft.		Throughout	372																								
B20	Covebase	Covebase	4" black (original)		2	200C	10	sq. ft.		Throughout	372																								
B20	Covebase	Covebase	4" black (original)		2	200D	6	sq. ft.		Throughout	372																								
B20	Covebase	Covebase	4" black (original)		2	201	35	sq. ft.		Throughout	372																								
B20	Covebase	Covebase	4" black (original)		2	202	56	sq. ft.		Throughout	372	100																							
B20	Covebase	Covebase	4" black (original)		2	204	36	sq. ft.		throughout	372																								
B20	Covebase	Covebase	4" black (original)		2	206	36	sq. ft.		throughout	372																								
B20	Covebase	Covebase	4" black (original)		2	208	36	sq. ft.		throughout	372																								
B20	Covebase	Covebase	4" black (original)		2	210	9	sq. ft.		Throughout	372																								
B20	Covebase	Covebase	4" black (original)		2	212	45	sq. ft.		throughout	372																								
B20	Covebase	Covebase	4" black (original)		2	Hallway	128	sq. ft.		throughout	372																								
B20.1	Covebase	Covebase	4" black (newer)		Multiple	6 Rooms	208	sq. ft.	0	Varies	358		Only test mastic for PCBs at this time	ND																					
B20.1	Covebase	Covebase	4" black (newer)	black	1	103C	15	sq. ft.		Throughout	358	270																							
B20.1	Covebase	Covebase	4" black (newer)	black	1	105Principal's Office	30	sq. ft.		Throughout	358																								
B20.1	Covebase	Covebase	4" black (newer)	black	1	105 Elev. Mech. Room	9	sq. ft.		Throughout	358																								
B20.1	Covebase	Covebase	4" black (newer)	black	1	114 & 114A	35	sq. ft.		Throughout	358																								
B20.1	Covebase	Covebase	4" Black (newer)	black	1	Lobby/ East Hall and Stair	8	sq. ft.		vestibule	358																								
B20.1	Covebase	Covebase	4" black (newer)	black	2	208	8	sq. ft.		throughout	358																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		Multiple	26 Rooms	1744	sq. ft.	3	Varies	372			ND																					PCB Bulk Product
B21	Adhesive	4" Covebase Adhesive	associated with B20		1	101	36	sq. ft.		throughout	372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		1	101ACloset	8	sq. ft.		throughout	372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		1	101D	14	sq. ft.		throughout	372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		1	101EHall Closet	2	sq. ft.		throughout	372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		1	101Hallway	14	sq. ft.		throughout	372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		1	102Classroom	36	sq. ft.			372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		1	102Math lab, off Library	19	sq. ft.		throughout	372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		1	103E	18	sq. ft.			372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		1	103G	10	sq. ft.			372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		1	104IT Area	80	sq. ft.	1	Throughout	372	27			unpainted concrete	south wall, west section	one (1) sample collected. beige over residual dark brown adhesive. Layers inseparable.	210111.B21.105-0308	130									210331.B21.132-1226 0.79 Aroclor-1254 [1]	-	-	210331.B21.132-1227 NA	210317.B21.126-1092 8.0 Aroclor-1254 [2]	210317.B21.126-1093 2.3 Aroclor-1254 [2]	GWB behind plaster	
B21	Adhesive	4" Covebase Adhesive	associated with B20		1	106Bathroom	8	sq. ft.		Entry Only	372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		1	108 & 108A	24	sq. ft.		Throughout	372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		1	110Bathroom	8	sq. ft.		Entry Only	372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		1	Lobby/ East Hall and Stair	20	sq. ft.		lobby	372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		2	200	28	sq. ft.		Throughout	372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		2	200B	10	sq. ft.		Throughout	372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		2	200C	10	sq. ft.		Throughout	372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		2	200D	6	sq. ft.		Throughout	372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		2	201	35	sq. ft.		Throughout	372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20	brown	2	202	56	sq. ft.	1	Throughout	372	100	(Analytical report "210113.B21.106-360")		painted metal	north door sidelight	one (1) sample collected.	210113.B21.106-0360	66																
B21	Adhesive	4" Covebase Adhesive	associated with B20		2	204	36	sq. ft.		throughout	372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		2	206	36	sq. ft.		throughout	372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		2	208	36	sq. ft.		throughout	372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		2	210	9	sq. ft.		Throughout	372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20		2	212	45	sq. ft.		throughout	372																								
B21	Adhesive	4" Covebase Adhesive	associated with B20	dark brown	2	Hallway	128	sq. ft.	1	throughout	372				painted metal	door sidelight between rooms B204 & B206	one (1) sample collected. paint inseparable.	210113.B21.106-0372	24																
B21.1	Adhesive	4" Covebase Adhesive	associated with B20.1		Multiple	6 Rooms	208	sq. ft.	3	Varies	358			ND																					TBD
B21.1	Adhesive	4" Covebase Adhesive	associated with B20.1	beige/brown	1	103C	15	sq. ft.	1	Throughout	358	270			painted plaster	west wall, center section	one (1) sample collected. Beige over residual brown adhesive over paint. layers inseparable.	210111.B21.1.105-0314	52									210317.B21.1.126-1088 3.7 Aroclor-1248 [1], Aroclor-1254 [1]	210317.B21.1.126-1089 NA					GWB behind thick plaster (>1")	
B21.1	Adhesive	4" Covebase Adhesive	associated with B20.1	beige	1	105Principal's Office	30	sq. ft.	1	Throughout	358				painted gypsum wall board	east wall, south section	one (1) sample collected.	210113.B21.1.106-0346	6.2																
B21.1	Adhesive	4" Covebase Adhesive	associated with B20.1		1	105 Elev. Mech. Room	9	sq. ft.		Throughout	358																								
B21.1	Adhesive	4" Covebase Adhesive	associated with B20.1		1	114 & 114A	35	sq. ft.		Throughout	358																								
B21.1	Adhesive	4" Covebase Adhesive	associated with B20.1	e/yellow/dark br	1	Lobby/ East Hall and Stair	8	sq. ft.	1	vestibule	358				painted CMU	north wall, center section	one (1) sample collected. Beige over yellow over residual dark brown adhesive. Layers inseparable.	210113.B21.1.106-0350	4.1																
B21.1	Adhesive	4" Covebase Adhesive	associated with B20.1		2	208	8	sq. ft.		throughout	358																								
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Gray with Black &	Multiple	21 Rooms	922	sq. ft.	0	Varies	386			ACBM >1% Previouly Sampled																					
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Gray with Black &	1	101	628	sq. ft.		throughout	386																								
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Gray with Black &	1	101D	121	sq. ft.		throughout	386																								
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Gray with Black &	1	101EHall Closet	8	sq. ft.		throughout	386																								
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Gray with Black &	1	101F	256	sq. ft.		throughout	386																								
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Gray with Black &	1	101Hallway	62	sq. ft.		throughout	386																								
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Gray with Black &	1	102Classroom	569	sq. ft.			386																								

Legend

- Not Regulated
- TBD
- PCB Remedial Waste
- Potentially Excluded PCB Product (EPP)
- PCB Bulk Products
- * Proposed Substrate Sample Location
- =Denotes homogeneous material
- = Denotes proposed sample location
- = Denotes Duplicate Sample Collected
- ND = None Detect
- NA = Not Analyzed

Building B - Bulk and Substrate Material Sampling Summary

Homogenous Material	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling - September 2020 Results (ng/m3)	Comments	Asbestos Results %	Substrate (Indicate if Painted or Unpainted)	Specific collection location	ATC Comments	Sample ID Number (Date , H# , Photo ID #)	Total PCB Aroclor Results (ppm)	Substrate 1/4" Depth Sample ID and Results (ppm)	Substrate 1/4"-1/2" Depth Sample ID and Result	Substrate 1/2" - 3/4" Depth Sample ID and Results (ppm)	Substrate 3/4" - 1 1/4" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	ATC Comments	Proposed Waste Category	Legend
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Gray with Black &	1	102Math lab, off Library	151	sq. ft.		throughout	386																											
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Gray with Black &	1	103Library	3572			under carpet	386	47																										
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Gray with Black &	1	103A	190	sq. ft.			386																											
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Gray with Black &	1	103B	205	sq. ft.		under carpet	386	47																										
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Gray with Black &	1	103C	223	sq. ft.		under carpet	386	270																										
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Gray with Black &	1	103D	92	sq. ft.		throughout	386																											
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Gray with Black &	1	103E	213	sq. ft.		throughout	386																											
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Gray with Black &	1	104IT Area	913	sq. ft.		Throughout	386	27																										
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Gray with Black &	1	106Bathroom	32	sq. ft.		Entry Only	386																											
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Gray with Black &	1	110Bathroom	32	sq. ft.		Entry Only	386																											
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" light gray with black and white streaks	Gray with Black &	2	201	687	sq. ft.		Throughout	386																											
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" light gray with black and white streaks	Gray with Black &	2	202	729	sq. ft.		east section	386	100																										
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Gray with Black &	2	206	742	sq. ft.		throughout	386																											
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Gray with Black &	2	212	797	sq. ft.		throughout	386																											
B23	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Light Gray with Black & White	Gray with Black &	2	Hallway	1732	sq. ft.		throughout	386																											
B24	Mastic	9" Tile Mastic	associated with B23		Multiple	21 Rooms	-2855	sq. ft.	12	Varies	386			ND																							PCB Bulk Product	
B24	Mastic	9" Tile Mastic	associated with B23	black	1	101	628	sq. ft.	1	throughout	386				unpainted concrete	north center section	one (1) sample collected.	210111.824.105-0288	20000																			
B24	Mastic	9" Tile Mastic	associated with B23		1	101D	121	sq. ft.		throughout	386																											
B24	Mastic	9" Tile Mastic	associated with B23		1	101EHall Closet	8	sq. ft.		throughout	386																											
B24	Mastic	9" Tile Mastic	associated with B23		1	101F	256	sq. ft.		throughout	386																											
B24	Mastic	9" Tile Mastic	associated with B23		1	101Hallway	62	sq. ft.	1	throughout	386				unpainted concrete	center section	one (1) sample collected.	210111.824.105-0290	320																			
B24	Mastic	9" Tile Mastic	associated with B23		1	102Classroom	569	sq. ft.	1		386				unpainted concrete	center section	one (1) sample collected.	210111.824.105-0282	31000																			
B24	Mastic	9" Tile Mastic	associated with B23	black	1	102Math lab, off Library	151	sq. ft.	1	throughout	386				unpainted concrete	east center section	one (1) sample collected.	210111.824.105-0284	24000																			
B24	Mastic	9" Tile Mastic	associated with B23		1	103Library	3572		1	under carpet	386	47			unpainted concrete	northwest section	one (1) sample colleceted. under carpet (B29).	210111.824.105-0295	25000																			
B24	Mastic	9" Tile Mastic	associated with B23		1	103Library	3572		DUP	under carpet	386	47			unpainted concrete	northwest section	one (1) duplicate sample colleceted. under carpet (B29).	210111.824.105-0296	26000																			
B24	Mastic	9" Tile Mastic	associated with B23		1	103A	190	sq. ft.			386																											
B24	Mastic	9" Tile Mastic	associated with B23		1	103B	223	sq. ft.	1	under carpet	386	47			unpainted concrete	south center section	one (1) sample collected.	210111.824.105-0321	5800																			
B24	Mastic	9" Tile Mastic	associated with B23	black	1	103C	205	sq. ft.	1	under carpet	386	270			unpainted concrete	northeast section	one (1) sample collected.	210111.824.105-0318	19000																			
B24	Mastic	9" Tile Mastic	associated with B23	black	1	103C	205	sq. ft.	1	under carpet	386	270			unpainted concrete	northeast section	one (1) duplicate sample collected	210111.824.105-0319	24000																			
B24	Mastic	9" Tile Mastic	associated with B23		1	103D	92	sq. ft.		throughout	386																											
B24	Mastic	9" Tile Mastic	associated with B23		1	103E	213	sq. ft.		throughout	386																											
B24	Mastic	9" Tile Mastic	associated with B23		1	104IT Area	913	sq. ft.	1	Throughout	386	27			unpainted concrete	north center section	one (1) sample collected.	210111.824.105-0307	26000																			
B24	Mastic	9" Tile Mastic	associated with B23		1	106Bathroom	32	sq. ft.		Entry Only	386																											
B24	Mastic	9" Tile Mastic	associated with B23		1	110Bathroom	32	sq. ft.	1	Entry Only	386		(Label in Photo "210111.824.105-309")		unpainted concrete	center section	one (1) sample collected.	210111.824.105-0309	5600																			
B24	Mastic	9" Tile Mastic	associated with B24	black	2	201	687	sq. ft.	1	Throughout	386				unpainted concrete	east center section	one (1) sample collected.	210113.824.106-0370	2100																			
B24	Mastic	9" Tile Mastic	associated with B24		2	202	729	sq. ft.	1	east section	386	100			unpainted concrete	center section	one (1) sample collected.	210113.824.106-0358	129000	211902.824.122-1007 9.5 Aroclor-1254[2]	210325.824.130-1201 0.79 Aroclor-1254[1]	211902.824.122-1008 1.2 Aroclor-1254[2]	211202.824.122-1009 0.71 Aroclor1254[2]															
B24	Mastic	9" Tile Mastic	associated with B23		2	206	742	sq. ft.		throughout	386																											
B24	Mastic	9" Tile Mastic	associated with B23		2	212	797	sq. ft.		throughout	386																											
B24	Mastic	9" Tile Mastic	associated with B23	black	2	Hallway	1732	sq. ft.	1	throughout	386				unpainted concrete	center section	one (1) sample collected.	210113.824.106-0371	560																			
B25	Vinyl Floor Tile	Vinyl Floor Tile	12" x 12" Cream with Rust and White Streaks	ith Rust and Whit	Multiple	2 Rooms	0	sq. ft.	0	Varies	366		Only test mastic for PCBs at this time	ACBM >1%																								
B25	Vinyl Floor Tile	Vinyl Floor Tile	12" x 12" Cream with Rust and White Streaks	ith Rust and Whit	1	Lobby/ East Hall and Stair	826	sq. ft.		lobby and mid landing	366						VOID - no sample collected. Sample collected of mastic only .	VOID																				
B25	Vinyl Floor Tile	Vinyl Floor Tile	12" x 12" cream with rust and white streaks	ith Rust and Whit	2	Hallway	38	sq. ft.	1	st section only, at doors to bre	366						VOID - no sample collected of Vinyl Floor Tile.	VOID																				
B25	Vinyl Floor Tile	Vinyl Floor Tile	12" x 12" cream with rust and white streaks	ith Rust and Whit	2	west stairs																																
B25	Vinyl Floor Tile	Vinyl Floor Tile	12" x 12" cream with rust and white streaks	ith Rust and Whit	2	East Stairs	326	sq. ft.																														
B25	Vinyl Floor Tile	Vinyl Floor Tile	12" x 12" cream with rust and white streaks	ith Rust and White Streaks		West Stairs	762	sq. ft.																														
B26	Mastic	12" Tile Mastic	associated with B25		Multiple	2 Rooms	-1588	sq. ft.	3	Varies	366			2% Chrysotile																							PCB Bulk Product	
B26	Mastic	12" Tile Mastic	associated with B25	black	1	Lobby/ East Hall and Stair	826	sq. ft.	2	lobby and mid landing	366				unpainted concrete	middle level, south center section 1st level (Lobby), south center section	two (2) samples collected.	210111.826.105-0325	8600	211902.826.122-1013 4.0 Aroclor-1254[2]		211902.826.122-1014 1.1 Aroclor-1254[2]	211902.826.122-1015 0.22 Aroclor-1254[2]															
B26	Mastic	12" Tile Mastic	associated with B25	black	1	Lobby/ East Hall and Stair	826	sq. ft.	2	lobby and mid landing	366				unpainted concrete	middle level, south center section 1st level (Lobby), south center section	two (2) samples collected.	210111.826.105-0328	6100																			
B26	Mastic	12" Tile Mastic	associated with B25	black	1	Lobby/ East Hall and Stair	826	sq. ft.	DUP	lobby and mid landing	366				unpainted concrete	middle level south center section	one (1) duplicate sample collected.	210111.826.105-0326	8400																			
B26	Mastic	12" Tile Mastic	associated with B25		2	Hallway	38	sq. ft.	1	st section only, at doors to bre	366						VOID - no sample collected. Collected in West Stairs, 2nd Floor as substitue.	VOID																				
B26	Mastic	12" Tile Mastic	associated with B25		2	East Stairs	326																															
B26	Mastic	12" Tile Mastic	associated with B25	black		West Stairs	762	sq. ft.	1		366				unpainted concrete	2nd floor landing southeast corner	one (1) sample collected.	210113.826.106-0379	8100																			
B26	Mastic	12" Tile Mastic	associated with B25	black		West Stairs	762	sq. ft.	DUP		366				unpainted concrete	2nd floor landing southeast corner	one (1) duplicate sample collected.	210113.826.106-0388	12000																			
B27	Covebase	Covebase	4" brown (newer)		1	101F	22	sq. ft.	0	throughout				VOID Not B27, actually B19																								
B27	Covebase	Covebase	4" brown (newer)		1	101F	22	sq. ft.		throughout							Material is actually H-group B19																					
B27	Covebase	Covebase	4" brown (newer)	Multiple	3 Rooms	0	sq. ft.	0	Varies	364/398		Only test mastic for PCBs at this time		ND																								
B27	Covebase	Covebase	4" brown (newer)		1	103Library	100	sq. ft.			364/398	47																										
B27	Covebase	Covebase	4" brown (newer)		1	Lobby/ East Hall and Stair	19	sq. ft.		at elevator	364/398																											
B27	Covebase	Covebase	4" Brown (newer)		2	LibraryBalcony	28	sq. ft.		throughout	364/398																											
B28	Adhesive	4" Covebase Adhesive	associated with 4" brown (newer)		1	101F	22	sq. ft.	2	throughout				VOID Not B28, actually B20																							TBD	
B28	Adhesive	4" Covebase Adhesive	associated with 4" brown (newer)		1	101F	22	sq. ft.	2	throughout							VOID - Material is actually H-group B20 4" black older, not 4" brown	VOID																				
B28	Adhesive	4" Covebase Adhesive	associated with B27		Multiple	3 Rooms	0	sq. ft.	3	Varies	364/398			ND																							Potentially Excluded PCB Product	
B28	Adhesive	4" Covebase Adhesive	associated with B27	beige	1	103Library	100	sq. ft.	1		364/398	47			painted plaster	west wall, north section	one (1) sample collected. Beige over residual brown adhesive. Layers inseparable.	210111.828.105-0298	16																			
B28	Adhesive	4" Covebase Adhesive	associated with B27	yellow/brown	1	Lobby/ East Hall and Stair	19	sq. ft.	2	at elevator	364/398				painted CMU metal painted	1st level (Lobby) south wall, west end. west wall, at door sidelight to library.	two (2) samples collected. Yellow over resdiual brown adhesive. Layers inseparable.	210113.828.106-0351	24.9					210317.828.126-1076 1.6 Aroclor-1248[1], Aroclor-1254[1]	-	-	210317.828.126-1077 NA									Previously noted as CMU. Actually concrete over brick.		
B28	Adhesive	4" Covebase Adhesive	associated with B27	yellow/brown	1	Lobby/ East Hall and Stair	19	sq. ft.	2	at elevator	364/398				painted CMU metal painted	1st level (Lobby) south wall, west end. west wall, at door sidelight to library.	two (2) samples collected. Yellow over resdiual brown adhesive. Layers inseparable.	210113.828.106-0352	10.8																			
B28	Adhesive	4" Covebase Adhesive	associated with B27	beige	2	LibraryBalcony	28	sq. ft.	1	throughout	364/398				painted plaster	west wall, south section	one (1) sample collected. paint inseparable.	210113.828.106-0381	7.3																			
B29	Carpet Mastic	Carpet Mastic	with Carpet		Multiple	2 Rooms	0		3		398			ND																							Potentially Excluded PCB Product	
B29	Carpet Mastic	Carpet Mastic	with Green/Gray Carpet		1	103Library	3572	sq. ft.	2		398	47			Vinyl Floor Tile (B23)	northwest section south center section	two (2) sampled collected.	210111.829.105-0299	22																			
B29	Carpet Mastic	Carpet Mastic	with Green/Gray Carpet		1	103Library	3572	sq. ft.	2		398	47			Vinyl Floor Tile (B23)	northwest section south center section	two (2) sampled collected.	210111.829.105-0300	8.7																			
B29	Carpet Mastic	Carpet Mastic	with Gray, Blue, Maroon Carpet		2	LibraryBalcony	592	sq. ft.	1		398				unpainted concrete	at west wall, south section	one (1) sample collected.	210113.829.106-0380	10.3					210317.829.126-1099 0.16 Aroclor-1254 [1]	210317.829.126-1100 NA													
B30	Carpet Mastic	Carpet Mastic	with Carpet		1	1 Room	223	sq. ft.	2		390			ND																							PCB Bulk Product	
B30	Carpet Mastic	Carpet Mastic	tweed carpet, gray/blue/maroon	yellow	1	103C	223	sq. ft.	2		390	100			Vinyl Floor Tile (B23)	north center section	two (2) samples collected.	210111.830.105-0316	59																			
B30	Carpet Mastic	Carpet Mastic	tweed carpet, gray/blue/maroon	yellow	1	103C	223	sq. ft.	2		390	100			Vinyl Floor Tile (B23)	north center section	two (2) samples collected.	210111.830.105-0317	45																			
B31	Vinyl Floor Tile	Vinyl Floor Tile	12" x 12" White and Gray with Blue Markings		Multiple	4 Rooms	412	sq. ft.	0	Varies	5132	t mastic for PCBs at this time		ND																								
B31	Vinyl Floor Tile	Vinyl Floor Tile	12" x 12" White and Gray with Blue Markings		1	105Principal's Office	53	sq. ft.		Closet only	5132																											
B31	Vinyl Floor Tile	Vinyl Floor Tile	12" x 12" White and Gray with Blue Markings		1	114 & 114A	271	sq. ft.		Throughout 114	5132																											
B31	Vinyl Floor Tile	Vinyl Floor Tile	12" x 12" White and Gray with Blue Markings		2	204	736	sq. ft.		throughout	5132																											
B31	Vinyl Floor Tile	Vinyl Floor Tile	12" x 12" White and Gray with Blue Markings		2	208	659	sq. ft.		throughout	5132																											
B32	Mastic	12" Tile Mastic	associated with B31		Multiple	4 Rooms	412	sq. ft.	3	Varies	5132			ND																							PCB Bulk Product	
B32	Mastic	12" Tile Mastic	associated with B31		1	105Principal's Office	53	sq. ft.		Closet only	5132																											
B32	Mastic	12" Tile Mastic	associated with B31		1	114 & 114A	271	sq. ft.	1	Throughout 114	5132				unpainted concrete	south center section	one (1) sample collected. Yellow over residual black mastic.	210113.832.106-0349	1200					210317.832.126-1072 0.81 Aroclor-1254 [2]	210317.832.126-1073 NA												Aroclor-1254[2]	
B32	Mastic	12" Tile Mastic	associated with B31	yellow	2	204	736	sq. ft.	1	throughout	5132				unpainted concrete	north center section	Assumed post 1980s installation. No sample collected. Mastic too thin, could not meet weight requirement for sample collection. Sample collected in room B208 as substitute.	VOID - See Photo #106-0375																				
B32	Mastic	12" Tile Mastic	associated with B31	yellow	2	208	659	sq. ft.	1	throughout	5132				unpainted concrete	east center section	ON HOLD - assumed post 1980s installation. Two (2) samples collected.	210113.832.106-0376																				
B33	Window Caulking	Window Caulking	CMU		Multiple	20 Rooms			0				Previously Sampled - PCB B33A 109 ppm	2% Tremolite																								
B33	Window Caulking	Window Caulking	CMU to Metal		1	101																																
B33	Window Caulking	Window Caulking	CMU/Plaster to Metal		1	101D																																
B33	Window Caulking	Window Caulking	CMU to Metal		1	101F																																
B33	Window Caulking	Window Caulking	Metal casing to CMU		1	102Classroom																																
B33	Window Caulking	Window Caulking	CMU/Plaster to Metal		1	103Library						47																										
B33	Window Caulking	Window Caulking	CMU/Plaster to Metal		1	103C						270																										
B33	Window Caulking	Window Caulking	CMU to Metal		1	103D																																
B33	Window Caulking	Window Caulking	CMU/Plaster to Metal		1	103E																																
B33	Window Caulking	Window Caulking	CMU to Metal		1	104IT Area						27																										
B33	Window Caulking	Window Caulking	CMU to Metal		1	105Principal's Office																																
B33	Window Caulking	Window Caulking	CMU to Metal		1	114 & 114A																																
B33	Window Caulking	Window Caulking	CMU to Metal		1	Lobby/ East Hall and Stair																																
B33	Window Caulking	Window Caulking	CMU to Metal		2	200																																
B33	Window Caulking	Window Caulking	CMU to Metal		2	201																																
B33	Window Caulking	Window Caulking	CMU to Metal		2	202						100																										
B33	Window Caulking	Window Caulking	CMU to Metal		2	204																																
B33	Window Caulking	Window Caulking	CMU to Metal		2	206																																
B33	Window Caulking	Window Caulking	CMU to Metal		2	208																																
B33	Window Caulking	Window Caulking	CMU to Metal		2	209						110																										
B33	Window Caulking	Window Caulking	CMU to Metal		2	212																																
B34	Window Caulking	Window Caulking	Metal to Metal		Multiple	20 Rooms			0				Previously Sampled - PCB B34A 277 ppm	ND																								
B34	Window Caulking	Window Caulking	Metal to Metal		1	101																																
B34	Window Caulking	Window Caulking	Metal to Metal		1	101D																																
B34	Window Caulking	Window Caulking	Metal to Metal		1	101F																																
B34	Window Caulking	Window Caulking	Metal casing to Metal sill		1	102Classroom																																
B34	Window Caulking	Window Caulking	Metal to Metal		1	103Library						47																										
B34	Window Caulking	Window Caulking	Metal to Metal		1	103C						270																										
B34	Window Caulking	Window Caulking	Metal to Metal		1	103D																																
B34	Window Caulking	Window Caulking	Metal to Metal		1	103E																																
B34	Window Caulking	Window Caulking	Metal to Metal		1	104IT Area						27																										
B34	Window Caulking	Window Caulking	Metal to Metal		1	105Principal's Office																																
B34	Window Caulking	Window Caulking	Metal to Metal		1	114 & 114A																																
B34	Window Caulking	Window Caulking	Metal to Metal		1	Lobby/ East Hall and Stair																																
B34	Window Caulking	Window Caulking	Metal to Metal		2	200																																
B34	Window Caulking	Window Caulking	Metal to Metal		2	201																																
B34	Window Caulking	Window Caulking	Metal to Metal		2	202						100																										
B34	Window Caulking	Window Caulking	Metal to Metal		2	204																																
B34	Window Caulking	Window Caulking	Metal to Metal		2	206																																
B34	Window Caulking	Window Caulking	Metal to Metal		2	208																																
B34	Window Caulking	Window Caulking	Metal to Metal		2	209						110																										
B34	Window Caulking	Window Caulking	Metal to Metal		2	212																																
B35	Thermal System Insulation	TSI associated with mudded pipe joint insultaion	Mudded Pipe Joint Insulation		1	5 Rooms			0					ACBM >1%																								
B35	Thermal System Insulation	TSI associated with mudded pipe joint insultaion	Mudded Pipe Joint Insulation		1	101																																
B35	Thermal System Insulation	TSI associated with mudded pipe joint insultaion	Mudded Pipe Joint Insulation		1	101EHall Closet																																
B35	Thermal System Insulation	TSI associated with mudded pipe joint insultaion	Mudded Pipe Joint Insulation		1	101F																																
B35	Thermal System Insulation	TSI associated with mudded pipe joint insultaion	Mudded Pipe Joint Insulation		1	102Math lab, off Library																																
B35	Thermal System Insulation	TSI associated with mudded pipe joint insultaion	Mudded Pipe Joint Insulation		1	103Library						100																										
B36	Grout	Grout associated with ceramic wall tile	Associated with ceramic wall tile		Multiple	6 Rooms	211	sq. ft.	0	Varies	402/406		Not Mastic	ND																								
B36	Grout	Grout associated with ceramic wall tile	associated with ceramic wall tile4" gray/yellow		1	101BBathrooms	234	sq. ft.		throughout	402/406																											
B36	Grout	Grout associated with ceramic wall tile	associated with ceramic wall tile4" gray/yellow		1	101CBathrooms	234	sq. ft.		throughout	402/406																											
B36	Grout	Grout associated with ceramic wall tile	associated with ceramic wall tile4" gray		1	106Bathroom	540	sq. ft.		Throughout Bathroom	402/406																											
B36	Grout	Grout associated with ceramic wall tile	associated with ceramic wall tile4" gray		1	108 & 108A	21	sq. ft.		north wall	402/406																											

Building B - Bulk and Substrate Material Sampling Summary

Homogenous Material	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling - September 2020 Results (ng/m^3)	Comments	Asbestos Results %	Substrate (Indicate if Painted or Unpainted)	Specific collection location	ATC Comments	Sample ID Number (Date , H# , Photo ID #)	Total PCB Aroclor Results (ppm)	Substrate 1/4" Depth Sample ID and Results (ppm)	Substrate 1/4"-1/2" Depth Sample ID and Result	Substrate 1/2" - 3/4" Depth Sample ID and Results (ppm)	Substrate 3/4" - 1 1/4" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	ATC Comments	Proposed Waste Category	Legend
B36	Grout	Grout associated with ceramic wall tile	associated with ceramic wall tile4" gray		1	110Bathroom	540	sq. ft.		Throughout Bathroom	402/406																											
B36	Grout	Grout associated with ceramic wall tile	associated with ceramic wall tile4" gray		2	211	16	sq. ft.		at south wall	402/406																											
B37	Adhesive	Adhesive associated with Grout associated with cermic wall tile	Associated with B36		Multiple	6 Rooms	211	sq. ft.	3	Varies	402/406			ND B37 Mortar Bed Only																							TBD	
B37	Adhesive	Adhesive associated with Groutassociated with cermic wall tile	associated with B36		1	101BBathrooms	234	sq. ft.	1	throughout	402/406						VOID - no adhesive observed. mortar bed only	VOID - See Photo #105-0289																				
B37	Adhesive	Adhesive associated with Grout associated with cermic wall tile	associated with B36		1	101CBathrooms	234	sq. ft.		throughout	402/406																											
B37	Adhesive	Adhesive associated with Grout associated with cermic wall tile	associated with B36		1	106Bathroom	540	sq. ft.	1	Throughout Bathroom	402/406						VOID - no adhesive observed. mortar bed only.	VOID - See Photo #105-0312																				
B37	Adhesive	Adhesive associated with Grout associated with cermic wall tile	associated with B36	yellow	1	108 & 108A	21	sq. ft.		north wall	402/406			B37.1 Adhesive Only =ND	unpainted plaster, skim coat	north wall, center section	one (1) sample collected. Plaster skim coat inseparable from adhesive.	210111.B37.105-0301	3.1																			
B37	Adhesive	Adhesive associated with Grout associated with cermic wall tile	associated with B36		1	110Bathroom	540	sq. ft.		Throughout Bathroom	402/406																											
B37	Adhesive	Adhesive associated with Grout associated with cermic wall tile	associated with B36		2	211	16	sq. ft.	1	at south wall	402/406						VOID - no adhesive observed. mortar bed only.	VOID																				
B37.1	Adhesive	Adeshive ceramic wall tile to plaster	associated with B36	tan										ND																								
B37.1	Adhesive	Adeshive ceramic wall tile to plaster	associated with B36	tan	1	108	16	sq. ft.		north wall																												
B38	Grout	Grout associated with 1" ceramic floor tile	Associated with ceramic floor tile, 1" gray/yellow		1	4 Rooms	0	sq. ft.	0	Varies	404		Not mastic	ND																								
B38	Grout	Grout associated with 1" ceramic floor tile	associated with ceramic floor tile1" gray/yellow		1	101BBathrooms	38	sq. ft.		throughout	404																											
B38	Grout	Grout associated with 1" ceramic floor tile	associated with ceramic floor tile1" gray/yellow		1	101CBathrooms	38	sq. ft.		throughout	404																											
B38	Grout	Grout associated with 1" ceramic floor tile	associated with ceramic floor tile1" gray		1	106Bathroom	210	sq. ft.		Throughout Bathroom	404																											
B38	Grout	Grout associated with 1" ceramic floor tile	associated with ceramic floor tile1" gray		1	110Bathroom	210	sq. ft.		Throughout Bathroom	404																											
B39	Adhesive	Adhesive associated with Grout associated with 1" ceramic floor tile	associated with B38		1	4 Rooms	0	sq. ft.	3	Varies	404			ND																							TBD	
B39	Adhesive	Adhesive associated with Grout associated with 1" ceramic floor tile	associated with B38		1	101BBathrooms	38	sq. ft.	0	throughout	404						VOID - no adhesive observed. mortar bed only	VOID - See Photo #105-0287																				
B39	Adhesive	Adhesive associated with Grout associated with 1" ceramic floor tile	associated with B38		1	101CBathrooms	38	sq. ft.		throughout	404																											
B39	Adhesive	Adhesive associated with Grout associated with 1" ceramic floor tile	associated with B38		1	106Bathroom	210	sq. ft.	1	Throughout Bathroom	404						VOID - no adhesive observed. mortar bed only.	VOID - See Photo # 105-0311																				
B39	Adhesive	Adhesive associated with Grout associated with 1" ceramic floor tile	associated with B38		1	110Bathroom	210	sq. ft.	1	Throughout Bathroom	404						VOID - no adhesive observed. mortar bed only.																					
B43	Adhesive	Adhesive associated with Chalkboard/Blackboard/Bulletin Boards	Associated with Chalkboard/Blackboard/Bulletin Boards		Multiple	5 Rooms	8	sq. ft.	3		5126/5144		Assumed asbestos	2% Anthophyllite																							TBD	
B43	Adhesive	Adhesive associated with Chalkboard/Blackboard/Bulletin Boards	associated with Chalkboard/Blackboard/Bulletin Board		1	102Classroom	-		1		422						VOID - no adhesive observed. Chalkboard on brackets.	VOID																				
B43	Adhesive	Adhesive associated with Chalkboard/Blackboard/Bulletin Boards	associated with Chalkboard/Blackboard/Bulletin Boards		1	102Math lab, off Library	8	sq. ft.	0	north wall	5126/5144						VOID - no adhesive	VOID																				
B43	Adhesive	Adhesive associated with Chalkboard/Blackboard/Bulletin Boards	associated with Chalkboard/Blackboard/Bulletin Board		2	201	-				5126/5144																											
B43	Adhesive	Adhesive associated with Chalkboard/Blackboard/Bulletin Boards	associated with Chalkboard/Blackboard/Bulletin Board		2	202	-		1		5126/5144	100					VOID - no adhesive oberseved. on brackets only.	VOID																				
B43	Adhesive	Adhesive associated with Chalkboard/Blackboard/Bulletin Boards	associated with Chalkboard/Blackboard/Bulletin Board		2	204	-				5126/5144																											
B43	Adhesive	Adhesive associated with Chalkboard/Blackboard/Bulletin Boards	associated with Chalkboard/Blackboard/Bulletin Board		2	206	-		1		5126/5144				unpainted plaster	west wall, north section	one (1) sample collected.	210113.B43.106-0373	2.4																			
B43	Adhesive	Adhesive associated with Chalkboard/Blackboard/Bulletin Boards	associated with Chalkboard/Blackboard/Bulletin Board		2	206	-		DUP		5126/5144				unpainted plaster	west wall, north section	one (1) sample collected.	210113.B43.106-0374	4.8																			
B44	Chalkboard Material	Chalkboard Material	-					0						VOID material is metal			Initial Report denotes H-group as Chalk Board Material, not the adhesive.																					
B45	Sink Undercoating	Sink Undercoating	-	Beige	1	1 Room	3	sq. ft.	2		398			ND																							Potentially Excluded PCB Product	
B45	Sink Undercoating	Sink Undercoating	-	beige	1	103A	3	sq. ft.	2		393				steel, single bay sink	sink at south wall	two (2) samples collected.	210111.B45.105-0302	17.5																			
B45	Sink Undercoating	Sink Undercoating	-	beige	1	103A	3	sq. ft.	2		393				steel, single bay sink	sink at south wall	two (2) samples collected.	210111.B45.105-0303	19.2																			
B46	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Pock and Pinholes		1	2 Rooms	0	sq. ft.	2	Throughout	374			ND																							PCB Remedial Waste	
B46	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Pock and Pinholes		1	105Principal's Office	236	sq. ft.	1	Throughout	374				suspended metal grid	center section	one (1) sample collected.	210111.B46.105-0336	2.7																			
B46	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Pock and Pinholes		1	114 & 114A	379	sq. ft.	1	Throughout	374				suspended metal grid	center section	one (1) sample collected.	210111.B46.105-0337	1.8																			
B48	Carpet Mastic	Carpet Mastic	tweed carpet, blue and green		1	2 Rooms	0	sq. ft.	2	Varies	358			ND																							PCB Bulk Product	
B48	Carpet Mastic	Carpet Mastic	tweed carpet, blue and green		1	105Principal's Office	236	sq. ft.	1	Throughout, except closet	358				unpainted concrete	northwest corner	one (1) sample collected.	210113.B48.106-0345	750					210317.B48.126-1078 4.3 Aroclor-1254 [2]	210317.B48.126-1079 ND													
B48	Carpet Mastic	Carpet Mastic	tweed carpet, blue and green	yellow/black	1	114 & 114A	108	sq. ft.	1	Throughout 114A	358				unpainted concrete	Room 114A, southwest corner	one (1) sample collected. Yellow over residual black mastic. Layers inseparable.	210113.B48.106-0347	170																			
B49	Stair Tread Material	Stair Tread Material	Blue with Raised Circles		1	Lobby/ East Hall and Stair	140		0		368		Only test mastic for PCBs at this time	ND																								
B49	Stair Tread Material	Stair Tread Material	Blue with Raised Circles		1	Lobby/ East Hall and Stair	140				368																											
B50	Adhesive	Stair Tread Adhesive	associated with B49		1	Lobby/ East Hall and Stair	140		2		368			ND																							PCB Bulk Product	
B50	Adhesive	Stair Tread Adhesive	associated with B49	yellow/lt. brown	1	Lobby/ East Hall and Stair	140		2		368		Lab results show B30 not B50 210111.B30.105-0330		unpainted concrete	above 1st middle landing above 2nd mid landing	two (2) samples collected. Yellow/light brown over dark brown residual adhesive.	210111.B50.105-0330	16.5																			
B50	Adhesive	Stair Tread Adhesive	associated with B49	yellow/lt. brown	1	Lobby/ East Hall and Stair	140		2		368		Lab results show B30 not B50 210111.B30.105-0333		unpainted concrete	above 1st middle landing above 2nd mid landing	two (2) samples collected. Yellow/light brown over dark brown residual adhesive. Layers inseparable.	210111.B50.105-0333	1180					210317.B50.126-1084 ND	210317.B50.126-1085 NA													
B51	Stair Riser Material	Stair Riser Material	Light Blue 6" Covebase		1	Lobby/ East Hall and Stair	140		0		368		Only test mastic for PCBs at this time	ND																								
B51	Stair Riser Material	Stair Riser Material	Light Blue 6" Covebase		1	Lobby/ East Hall and Stair	140				368																											
B52	Adhesive	6" Covebase Adhesive	associated with B51	beige	1	Lobby/ East Hall and Stair	140		2		368			ND																							Potentially Excluded PCB Product	
B52	Adhesive	6" Covebase Adhesive	associated with B51	beige	1	Lobby/ East Hall and Stair	140		2		368				painted metal	below 1st middle landing below 2nd mid landing	two (2) samples collected. Paint inseparable.	210113.B52.106-0341	25.5																			
B52	Adhesive	6" Covebase Adhesive	associated with B51	beige	1	Lobby/ East Hall and Stair	140		2		368				painted metal	below 1st middle landing below 2nd mid landing	two (2) samples collected. Paint inseparable.	210113.B52.106-0342	13.7																			
B53	Vinyl Floor Tile	Vinyl Floor Tile	12" x 12" Shades of Cream Mottled		1	Lobby/ East Hall and Stair	164		0	at elevator	365		Only test mastic for PCBs at this time	ND																								
B53	Vinyl Floor Tile	Vinyl Floor Tile	12" x 12" Shades of Cream Mottled		1	Lobby/ East Hall and Stair	164			at elevator	365																											
B54	Mastic	12" Tile Mastic	associated with B53		1	Lobby/ East Hall and Stair	164		2	at elevator	365			2% Chrysotile																							TBD	
B54	Mastic	12" Tile Mastic	associated with B53		1	Lobby/ East Hall and Stair	164		2	at elevator	365				unpainted concrete	north center section center section	ON HOLD - assumed post 1980s installation. two (2) samples collected.	5-0334	210111.B54.105-0335																			
B55	Grout	Grout associated with cermic wall tile	associated with ceramic wall tile, 1"x2" gray		Multiple	3 Rooms	0	sq. ft.	0	Varies	379/5120		Not mastic	ND																								
B55	Grout	Grout associated with cermic wall tile	associated with ceramic wall tile, 1"x2" gray		1	102Classroom	30	sq. ft.			379/5120																											
B55	Grout	Grout associated with cermic wall tile	associated with ceramic wall tile 1" x 2" gray		1	Lobby/ East Hall and Stair	108	sq. ft.		at stairs above mid landing	379/5120																											
B55	Grout	Grout associated with cermic wall tile	associated with ceramic tile 1" x 2" gray		2	Hallway	42	sq. ft.		at water fountain, west end	379/5120																											
B55	Grout	Grout associated with cermic wall tile	associated with ceramic tile 1" x 2" gray		2	East Stairs	238	sq. ft.																														
B55	Grout	Grout associated with cermic wall tile	associated with ceramic tile 1" x 2" gray			West Stairs	485	sq. ft.																														
B56	Adhesive	Adhesive associated with Grout associated with cermaic wall tile	associated with A55		Multiple	3 Rooms	0	sq. ft.	3	Varies	379/5120			ND Mortar Bed Only																							TBD	
B56	Adhesive	Adhesive associated with Grout associated with cermaic wall tile	associated with A55		1	102Classroom	30	sq. ft.	1	Entry Only	379/5120						VOID - no adhesive observed. mortar bed only	VOID - See Photo #105-0291																				
B56	Adhesive	Adhesive associated with Grout associated with cermaic wall tile	associated with B55		1	Lobby/ East Hall and Stair	108	sq. ft.	1	at stairs above mid landing	379/5120						VOID - no adhesive observed. mortar bed only	VOID - See Photo #106-0391																				
B56	Adhesive	Adhesive associated with Grout associated with cermaic wall tile	associated with B55		2	Hallway	42	sq. ft.	1	at water fountain, west end	379/5120						VOID - no adhesive observed. Mortar bed only.	VOID																				
B56	Adhesive	Adhesive associated with Grout associated with cermaic wall tile	associated with B55		2	East Stairs	238	sq. ft.																														
B56	Adhesive	Adhesive associated with Grout associated with cermaic wall tile	associated with B55			West Stairs	485	sq. ft.						Adhesive B56.1 = ND	unpainted plaster and residual mortar bed	2nd floor, south wall, east section	one (1) sample collected. At patched areas only. Remaining is mortar bed.	210113.B56.106-0364	12.3																			
B56.1	Adhesive	Adeshive ceramic wall tile to plaster	associated with B55	tan										ND																								
B56.1	Adhesive	Adeshive ceramic wall tile to plaster	associated with B55	tan	2	West Stairs				south wall																												
B57	Adhesive	Adhesive associated with lockers	associated with lockers		2	2 Rooms			2		5118		Assumes asbestos	VOID no adhesive observed																							TBD	
B57	Adhesive	Adhesive associated with lockers	associated with lockers		2	Hallway	-		1		5118						VOID - no adhesive observed.	VOID																				
B57	Adhesive	Adhesive associated with lockers	associated with lockers		2	Hallway	-		1		5118						VOID - duplicated line	VOID																				
B58	Adhesive	Adhesive associated with counter	associated with counter		2	6 Rooms			3		5123		Assumed asbestos	VOID no adhesive observed																							TBD	
B58	Adhesive	Adhesive associated with counter	associated with counter		2	201	-				5123																											
B58	Adhesive	Adhesive associated with counter	associated with counter		2	202	-		1		5111	100					VOID - no adhesive oberseved.	VOID																				
B58	Adhesive	Adhesive associated with counter	associated with counter		2	204	-				5133																											
B58	Adhesive	Adhesive associated with counter	associated with counter		2	206	-		1		5137						VOID - no adhesive observed.	VOID																				
B58	Adhesive	Adhesive associated with counter	associated with counter		2	208	-				5143																											
B58	Adhesive	Adhesive associated with counter	associated with counter		2	209	-		1		5148	110					VOID - no adhesive observed.	VOID																				
B60	Covebase	Covebase	6" Black		2	209	35	sq. ft.	0	Throughout	5149	110	Only test mastic for PCBs at this time	ND																								
B60	Covebase	Covebase	6" Black		2	209	35	sq. ft.		Throughout	5149	110																										
B61	Adhesive	6" Covebase Adhesive	associated with B60	yellow/brown	1	1 Room	35	sq. ft.	2	Throughout	5149	110		ND																							Potentially Excluded PCB Product	
B61	Adhesive	6" Covebase Adhesive	associated with B60	yellow/brown	2	209	35	sq. ft.	2	Throughout	5149	110			painted plaster	north wall, west section	two (2) samples collected. Yellow over brown residual adhesive. layers inseparable	210113.B61.107-0392	21																			
B61	Adhesive	6" Covebase Adhesive	associated with B60	yellow/brown	2	209	35	sq. ft.	2	Throughout	5149	110			painted plaster	north wall, west section	two (2) samples collected. Yellow over brown residual adhesive. layers inseparable	210113.B61.107-0393	23.4															210318.B61.127-1103 1.1 Aroclor-1254 [2]	210318.B61.127-1104 NA			
B62	Vinyl Floor Tile	Vinyl Floor Tile	12" x 12" White with Cream, Brown, Blue/Green		2	1 Room	646	sq. ft.	0	Throughout	5150	110	Only test mastic for PCBs at this time	ND																								
B62	Vinyl Floor Tile	Vinyl Floor Tile	12" x 12" White with Cream, Brown, Blue/Green		2	209	646	sq. ft.		Throughout	5150	110																										
B63	Mastic	12" Tile Mastic	associated with B62		2	1 Room	646	sq. ft.	2	Throughout	5150	110		ND																							PCB Bulk Product	
B63	Mastic	12" Tile Mastic	associated with B62	black	2	209	646	sq. ft.	2	Throughout	5150	110			unpainted concrete	south center section	two (2) samples collected.	210113.B63.106-0389	9800	211902.B63.122-1010 2.0 Aroclor-1254[1]	-	211902.B63.122-1011 0.39 Aroclor-1254[2]	211902.B63.122-1012 0.23 Aroclor-1254[2]															
B63	Mastic	12" Tile Mastic	associated with B62	black	2	209	646	sq. ft.	2	Throughout	5150	110			unpainted concrete	south center section	two (2) samples collected.	210113.B63.106-0390	7900																			
B64	Stair Tread Material	Stair Tread Material	Dark Brown with Raised Diamonds		2	LibraryBalcony	48	sq. ft.	0	stairs down to library	5145		Only test mastic for PCBs at this time	ND																								
B64	Stair Tread Material	Stair Tread Material	Dark Brown with Raised Diamonds		2	LibraryBalcony	48	sq. ft.		stairs down to library	5145																											
B65	Adhesive	Stair Tread Adhesive	associated with B64		2	LibraryBalcony	48	sq. ft.	2	stairs down to library	5145			2% Chrysotile																							PCB Bulk Product	
B65	Adhesive	Stair Tread Adhesive	associated with B64	yellow	2	LibraryBalcony	48	sq. ft.	2	stairs down to library	5145				unpainted concrete	1st tread below top of stairs 1st tread above bottom of stairs	two (2) samples collected.	210113.B65.106-0384	19000					210317.B65.126-1101 6.4 Aroclor-1242 [2], Aroclor-1254 [1]	210317.B65.126-1102 1.7 Aroclor-1242 [2], Aroclor-1254 [2]													
B65	Adhesive	Stair Tread Adhesive	associated with B64	yellow	2	LibraryBalcony	48	sq. ft.	2	stairs down to library	5145		(analytical report "210113.B63.106-0385")		unpainted concrete	1st tread below top of stairs 1st tread above bottom of stairs	two (2) samples collected.	210113.B65.106-0385	2900																			
B66	Stair Riser Material	Stair Riser Material	associated with B64		2	LibraryBalcony	48	sq. ft.	0	stairs down to library	5145		Only test mastic for PCBs at this time	ND																								
B66	Stair Riser Material	Stair Riser Material	associated with B64		2	LibraryBalcony	48	sq. ft.		stairs down to library	5145																											
B67	Adhesive	6" Covebase Adhesive	associated with B66	yellow	2	LibraryBalcony	48	sq. ft.	0	stairs down to library	5145		Only test mastic for PCBs at this time	ND																							Potentially Excluded PCB Product	
B67	Adhesive	6" Covebase Adhesive	associated with B66	yellow	2	LibraryBalcony	48	sq. ft.	0	stairs down to library	5145				painted metal	1st riser below top of stairs 1st riser above bottom of stairs	two (2) samples collected.	210113.B67.106-0386	21.1																			
B67	Adhesive	6" Covebase Adhesive	associated with B66	yellow	2	LibraryBalcony	48	sq. ft.	0	stairs down to library	5145				painted metal	1st riser below top of stairs 1st riser above bottom of stairs	two (2) samples collected.	210113.B67.106-0387	14.5																			
B68	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Tan with Brown and White		2	4 Rooms	402	sq. ft.	0	Varies	5096		Only test mastic for PCBs at this time	ACBM >1% previously sampled																								
B68	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Tan with Brown and White		2	200	442	sq. ft.		Throughout	5096																											
B68	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Tan with Brown and White		2	200B	64	sq. ft.		Throughout	5096																											
B68	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Tan with Brown and White		2	200C	64	sq. ft.		Throughout	5096																											
B68	Vinyl Floor Tile	Vinyl Floor Tile	9" x 9" Tan with Brown and White		2	202	729	sq. ft.		west section	5096	100																										
B69	Mastic	9" Tile Mastic	associated with B68		2	4 Rooms	160	sq. ft.	3	Varies	5096			ND																							PCB Bulk Product	
B69	Mastic	9" Tile Mastic	associated with B68		2	200	442	sq. ft.	1	Throughout	5096				unpainted concrete	east center section	one (1) sample collected.	210113.B69.106-0354	76000	211902.B69.122-1004 6.8 Aroclor-1254[2]	-	211902.B69.122-1005 0.98 Aroclor-1254[2]	211902.B69.122-1006 0.31 Aroclor-1254[2]															
B69	Mastic	9" Tile Mastic	associated with B68		2	200	442	sq. ft.	DUP	Throughout	5096				unpainted concrete	east center section	one (1) duplicate sample collected.	210113.B69.106-0355	60000																			
B69	Mastic	9" Tile Mastic	associated with B68		2	200B	64	sq. ft.	1	Throughout	5096				unpainted concrete	center section	one (1) sample collected.	210113.B69.106-0356	130000																			
B69	Mastic	9" Tile Mastic	associated with B68		2	200C	64	sq. ft.		Throughout	5096																											
B69	Mastic	9" Tile Mastic	associated with B68		2	202	729	sq. ft.	1	west section	5096	100			unpainted concrete	center section	one (1) sample collected.	210113.B69.106-0359	52000																			
B72	Transite Hardboard	Transite Hardboard	Fume Hood/Cabinet		2	200			0					20% Chrysotile																								
B72	Transite Hardboard	Transite Hardboard	Fume Hood/Cabinet		2	200																																
B73	Adhesive	-	associated with Student Clay Tile		2	1 Room	98	sq. ft.	2	at south and west walls	5098			ND																							Potentially Excluded PCB Product	
B73	Adhesive	Adhesive associated with Student Clay Tile	associated with Student Clay Tile		2	200	98	sq. ft.	2	at south and west walls	5098				painted plaster	south wall, west section	two (2) samples collected.	210113.B73.106-0382	3.23									210317.B73.126-1098 0.89 Aroclor-1242 [2], Aroclor-1254 [2]	-									
B73	Adhesive	Adhesive associated with Student Clay Tile	associated with Student Clay Tile		2	200	98	sq. ft.	2	at south and west walls	5098				painted plaster	south wall, west section	two (2) samples collected.	210113.B73.106-0383	3.3																			
B75	Window Glazing	Window glazing associated with reinforced glass at interior doors	associated with reinforced glass at doors		Multiple	5 Rooms			0				Previously Sampled - PCB B75A 6.9 ppm	ND																								

Building B - Bulk and Substrate Material Sampling Summary

Homogenous Material	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling - September 2020 Results (ng/m^3)	Comments	Asbestos Results %	Substrate (Indicate if Painted or Unpainted)	Specific collection location	ATC Comments	Sample ID Number (Date, H#, Photo ID #)	Total PCB Aroclor Results (ppm)	Substrate 1/4" Depth Sample ID and Results (ppm)	Substrate 1/4"-1/2" Depth Sample ID and Result	Substrate 1/2" - 3/4" Depth Sample ID and Results (ppm)	Substrate 3/4" - 1 1/4" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	ATC Comments	Proposed Waste Category	Legend
B75	Window Glazing	Window glazing associated with reinforced glass at interior doors	associated with reinforced glass at doors		1	101	-																															
B75	Window Glazing	Window glazing associated with reinforced glass at interior doors	associated with reinforced glass at doors		1	102Classroom	-																															
B75	Window Glazing	Window glazing associated with reinforced glass at interior doors	associated with reinforced glass at doors		1	103Library	-					47																										
B75	Window Glazing	Window glazing associated with reinforced glass at interior doors	associated with reinforced glass at doors		1	Lobby/ East Hall and Stair	-																															
B75	Window Glazing	Window glazing associated with reinforced glass at interior doors	associated with reinforced glass at doors		2	Hallway	-																															
B2000	Stair Tread Material	Stair Tread Material	Brown		1	2 Rooms	0	sq. ft.	3		394/378			ND																								
B2000	Stair Tread Material	Stair Tread Material	brown with raised diamond pattern		1	103A	8	sq. ft.			394																											
B2001	Adhesive	Stair Tread Adhesive	associated with B2001	light brown/black	1	103A	8	sq. ft.	1		394			2% Chrysotile																							PCB Bulk Product	
B2001	Adhesive	Stair Tread Adhesive	associated with B2001	light brown/black	1	103A	8	sq. ft.	1		394				unpainted concrete	top tread	one (1) sample collected.	210111.B2001.105-0324	16300					210317.B2001.126-1090 8.1 Aroclor-1242 [1], Aroclor-1254 [2]	210317.B2001.126-1091 2.4 Aroclor-1242 [2], Aroclor-1254 [2]													
B2002	Covebase	Covebase	4" black, no foot	black	1	3 Rooms	0	sq. ft.	0					ND																								
B2002	Covebase	Covebase	4" black, no foot	black	1	103A	18	sq. ft.																														
B2002	Covebase	Covebase	4" black, no foot	black	1	103D	12	sq. ft.																														
B2002	Covebase	Covebase	4" black, no foot	black	1	103B	19	sq. ft.				47																										
B2003	Adhesive	4" Covebase Adhesive	associated w/ 4" black no foot		1	7 Rooms	0	sq. ft.	3	Varies				4% Chrysotile																							Potentially Excluded PCB Product	
B2003	Adhesive	4" Covebase Adhesive	associated with 4" black, no foot		1	103A	18	sq. ft.																														
B2003	Adhesive	4" Covebase Adhesive	associated with 4" black, no foot		1	103D	12	sq. ft.																														
B2003	Adhesive	4" Covebase Adhesive	associated with 4" black, no foot	yellow/dark brown	1	103B	19	sq. ft.	1			47			painted plaster	west wall, south section	two (2) samples collected, because only in Room 103B. Yellow over residaul brown adhesive. Layers inseparable.	210111.B2003.105-0320	38									210317.B2003.126-1086 3.0 Aroclor-1254 [2]	210317.B2003.126-1087 NA							GWB behind plaster. GWB not sampled.		
B2003	Adhesive	4" Covebase Adhesive	associated with 4" black, no foot	yellow/dark brown	1	103B	19	sq. ft.	1			47			painted plaster	west wall, south section	two (2) samples collected, because only in Room 103B. Yellow over residaul brown adhesive. Layers inseparable.	210114.B2003.107-0394	7.1																			
B2004	Adhesive	Adhesive associated with stair landing material	associated with B2005	yellow/black	1	1 Room	0		1					3% Chrysotile																							PCB Bulk Product	
B2004	Adhesive	Adhesive associated with stair landing material	associated with B2005	yellow/black	1	Lobby/ East Hall and Stair	140		1	at mid landings	378				leveling agent over unpainted concrete unpainted concrete	1st mid landing above 1st floor 2nd mid landing above 1st floor	two (2) samples collected. Yellow over residual black mastic. Layers inseparable.	210111.B2004.105-0329	417																			
B2004	Adhesive	Adhesive associated with stair landing material	associated with B2005	yellow/black	1	Lobby/ East Hall and Stair	140		1	at mid landings	378				leveling agent over unpainted concrete unpainted concrete	1st mid landing above 1st floor 2nd mid landing above 1st floor	two (2) samples collected. Yellow over residual black mastic. Layers inseparable.	210111.B2004.105-0331	1610					210317.B2004.126-1082 0.11 Aroclor-1248 [1]	210317.B2004.126-1083 NA													
B2004	Adhesive	Adhesive associated with stair landing material	associated with B2005	yellow/black	1	Lobby/ East Hall and Stair	140		DUP	at mid landings	378				unpainted concrete	2nd mid landing above 1st floor	one (1) duplicate sample collected. Yellow over residual black mastic. Layers inseparable.	210111.B2004.105-0332	506																			
B2005	Stair Landing Material	Stair Landing Material	brown with raised circles		1	1 Room	0							ND																							TBD	
B2005	Stair Landing Material	Stair Landing Material	brown with raised circles		1	Lobby/ East Hall and Stair	140	sq. ft.	2	at mid landings	378						VOID - took two (2) samples of the adhesive, not the stair tread material.	VOID																				
B2006	Carpet Mastic	Carpet Mastic	associated with gray carpet squares	Clear	1	1 Room	82	sq. ft.	2		369			ND																							PCB Bulk Product	
B2006	Carpet Mastic	Carpet Mastic	associated with gray carpet squares	Clear	1	Lobby/ East Hall and Stair	82	sq. ft.	2	vestibule	369				white leveling agent over unpainted concrete	north center section	two (2) samples collected. Mastic over leveling agent over unpainted concrete. Layers inseparable.	210113.B2006.106-0343	140																			
B2006	Carpet Mastic	Carpet Mastic	associated with gray carpet squares	Clear	1	Lobby/ East Hall and Stair	82	sq. ft.	2	vestibule	369				white leveling agent over unpainted concrete	north center section	two (2) samples collected. Mastic over leveling agent over unpainted concrete. Layers inseparable.	210113.B2006.106-0344	430					210317.B2006.126-1074 Analytical Report "210317.B2006.126-1074"	210317.B2006.126-1075 NA											No floor leveler included in substrate sample		
B2007	Duct Seam Sealant	Duct Seam Sealant	-	gray	1	108 & 108A	3	sq. ft.	2					VOID material not observed																							TBD	
B2007	Duct Seam Sealant	Duct Seam Sealant	-	gray	1	108 & 108A	3	sq. ft.	2						painted metal		VOID - No duct sealant observed painted metal only	VOID																				
B2008	Stair Tread Material	Stair Tread Material	Dark Blue with raised circles		1	West Stairs	22	sq. ft.	0					ND																								
B2008	Stair Tread Material	Stair Tread Material	Dark Blue with raised circles		1	west stairs	22	sq. ft.																														
B2009	Adhesive	Stair Tread Adhesive	associated with Stair Tread Material, Dark Blue with Raised Circles		1	West Stairs	376	sq. ft.	2				2	3% Chrysotile	1																						PCB Bulk Product	
B2009	Adhesive	Stair Tread Adhesive	associated with Stair Tread Material, Dark Blue with Raised Circles		1	West Stairs	376	sq. ft.	2						unpainted concrete	above midlanding below midlanding	two (2) samples collected. Yellow over residual black mastic. Layers inseparable.	210113.B2009.106-0366	1050					210317.B2009.126-1096 2.33 Aroclor-1242 [1], Aroclor-1254 [1]	210317.B2009.126-1097 0.89 Aroclor-1242 [2]													
B2009	Adhesive	Stair Tread Adhesive	associated with Stair Tread Material, Dark Blue with Raised Circles		1	West Stairs	376	sq. ft.	2						unpainted concrete	above midlanding below midlanding	two (2) samples collected. Yellow over residual black mastic. Layers inseparable.	210113.B2009.106-0367	335																			
B2010	Stair Tread Material	-	brown with raised horizontal lines		1	West Stairs	22	sq. ft.	0					ND																								
B2010	Stair Tread Material	-	brown with raised horizontal lines		1	West Stairs	22	sq. ft.																														
B2011	Adhesive	Stair Tread Adhesive	associated with Stair Tread Material, brown with raised horizontal lines		1	West Stairs	22	sq. ft.	2				2	2% Chrysotile	1																						PCB Bulk Product	
B2011	Adhesive	Stair Tread Adhesive	associated with Stair Tread Material, brown with raised horizontal lines		1	West Stairs	22	sq. ft.	2						unpainted conrete	steps to north door	two (2) samples collected. Yellow over residual black mastic. Layers inseparable.	210113.B2011.106-0368	380																			
B2011	Adhesive	Stair Tread Adhesive	associated with Stair Tread Material, brown with raised horizontal lines		1	West Stairs	22	sq. ft.	2						unpainted conrete	steps to north door	two (2) samples collected. Yellow over residual black mastic. Layers inseparable.	210113.B2011.106-0369	570					210317.B2011.126-1094 3.3 Aroclor-1242 [2]	210317.B2011.126-1095 ND													
B2014	Window Glazing	Window Glazing	associated with upper metal sashes	white										2% Chrysotile																								
B2016	Caulking Material	Expansion Joint Caulking	CMU to Plaster	gray										ND																								
VOID	Adhesive	Adhesive associated with wood paneling	associated with simulated wood paneling		1	102Math lab, off Library	-		1		424			VOID material not observed			VOID - no adhesive observed. tack nails only.																				TBD	
VOID	Adhesive	Adhesive associated with wood paneling	associated with simulated wood paneling		1	102Math lab, off Library	-		1		424						VOID - no adhesive observed. tack nails only.	VOID																				
VOID	Adhesive	Adhesive associated with homasote board	associated with homasote board		1	102Classroom	-							VOID material not observed																							TBD	
VOID	Adhesive	Adhesive associated with homasote board	associated with homasote board		1	102Classroom	-										VOID - No adhesive observed.	VOID																				
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black										ND																								
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	101				Assumed Throughout					soil under concrete slab	north center section	one (1) sample collected	210702.B2050.137-1332	ND																			
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	101A				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	101B				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	101C				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	101D				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	101E				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	101F				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	102				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	102 Classroom				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	102 Math Lab				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	103				Assumed Throughout					soil under concrete slab	northwest section	one (1) sample collected	210702.B2050.137-1333	2.2																			
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	103A				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	103B				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	103C				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	103D				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	103E				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	103G				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	104				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	104A				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	104B				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	106				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	108				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	108A				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	110				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	105				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	106 Closet				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	Elevator Mechanical				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	114				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	114A				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	Lobby				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	East Vestibule				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	East Stairwell				Assumed Throughout																												
B2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	Black	1	West Stairrwell				Assumed Throughout																												
B2051	Vapor Barrier	Vapor Barrier	Vapor Barrier, behind brick exterior	Black	Exterior	Exterior								ND																								
B2051	Vapor Barrier	Vapor Barrier	Vapor Barrier, behind brick exterior	Black	Exteroir	Exterior				Behind Brick Exterior					Brick, Concrete and Foam Board Insulation	north elevation, east section	one (1) sample collected	210702.B2051.137-1334	48																			
B2051	Vapor Barrier	Vapor Barrier	Vapor Barrier, behind brick exterior	Black	Exteroir	Exterior				Behind Brick Exterior					Brick, Concrete and Foam Board Insulation	northeast corner	one (1) sample collected	210702.B2051.137-1335	58																			

Building C - Bulk and Substrate Material Sampling Summary

Homogeneous Material	Material Type	Material Category	Material/Description	Color	Floors	Room Numbers	Approximate Quantity	Units	Location of Material	Photo Number	Air Sampling SUM (Yes/No)	Comments	Asbestos Results %	Substrate/Context/Type	Specific Sample Location	ACC Comments	Sample ID Number (Date OR Photo #)	Total PCB Aroclor Results (ppm)	Analytes	Substrate 0-1/2" Depth Sample ID and Results	Substrate 0.5 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 0.5 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 0.5 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 0.5 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 0.5 - 1" Depth Sample ID and Results	ACC Comments	Waste Category
																				Concrete		Plaster		Wood		Gypsum Wall Board (GWB)		Concrete Masonry Unit (CMU)			
C04	Roof Deck Material	Roof Deck Material	Tectum Ceiling Material		2	12	8305	sqft					ND																		
C04	Roof Deck Material	Roof Deck Material	Tectum Ceiling Material		1	202	697	sqft	throughout	5294																				
C04	Roof Deck Material	Roof Deck Material	Tectum Ceiling Material		2	203	569	sqft	throughout	5294																				
C04	Roof Deck Material	Roof Deck Material	Tectum Ceiling Material		2	204	697	sqft	throughout	5294																				
C04	Roof Deck Material	Roof Deck Material	Tectum Ceiling Material		2	205	697	sqft	throughout	5294	86																			
C04	Roof Deck Material	Roof Deck Material	Tectum Ceiling Material		2	206	697	sqft	throughout	5294																				
C04	Roof Deck Material	Roof Deck Material	Tectum Ceiling Material		1	207	697	sqft	Throughout	5294																				
C04	Roof Deck Material	Roof Deck Material	Tectum Ceiling Material		2	206	697	sqft	throughout	5294	78																			
C04	Roof Deck Material	Roof Deck Material	Tectum Ceiling Material		2	209	697	sqft	Throughout	5294																				
C04	Roof Deck Material	Roof Deck Material	Tectum Ceiling Material		1	201	697	sqft	throughout	5294																				
C04	Roof Deck Material	Roof Deck Material	Tectum Ceiling Material		2	211	697	sqft	throughout	5294	80																			
C04	Roof Deck Material	Roof Deck Material	Tectum Ceiling Material		1	212	697	sqft	throughout	5294																				
C04	Roof Deck Material	Roof Deck Material	Tectum Ceiling Material		2	213	717	sqft	throughout	5294																				
C06	Roof Deck Material	Roof Deck Material	Tectum Ceiling Material		2	204	57	sqft	north section	5162																				
C08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		Multiple	27	9328	sqft					ND																		TBD
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	101	66	sqft	throughout	5162																				
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	102	346	sqft	throughout half of room	5162	130			suspended metal grid	northwest section	one (1) sample collected. Material is same as CO7 Suspended Ceiling Tile. See photos 4114-0732 for back side of suspended ceiling tile.	210126.C06.114-0731	0.52													Not Regulated
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	104	346	sqft	throughout half of room	5162																						
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	106	346	sqft	throughout half of room	5162																						
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	108	346	sqft	throughout half of room	5162																						
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	110	346	sqft	throughout half of room	5162	130			suspended metal grid	west center section	one (1) sample collected. Material is the same as CO7 Suspended Ceiling Tile.	210126.C06.114-0707	0.51													Not Regulated
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	111	30	sqft	throughout	5162																						
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	112	300	sqft	throughout half of room	5162																						
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	113	698	sqft	throughout half of room	5162	95			suspended metal grid	west center section	one (1) sample collected. Material same as CO7 Suspended Ceiling Tile.	210126.C06.114-0708	3.4													PCB Remediation Waste
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	111A	107	sqft	throughout	5162																						
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	113B	123	sqft	throughout half of room	5162																						
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	113C	62	sqft	throughout half of room	5162																						
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	204	40	sqft	throughout	5162																						
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	202	19	sqft	north section	5162																						
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	204	19	sqft	north section	5162																						
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	203	19	sqft	north section	5162	86			suspended metal grid	near south wall, center section	one (1) sample collected. Material same as CO7 Suspended Ceiling Tile.	210127.C06.115-0813	ND													Not Regulated
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	207	19	sqft	south section	5162																						
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	208	19	sqft	north section	5162	78			suspended metal grid	north wall, center section	one (1) sample collected. Material same as CO7 Suspended Ceiling Tile.	210127.C06.115-0830	ND													Not Regulated
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	209	19	sqft	south section	5162																						
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	210	19	sqft	north section	5162																						
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	211	19	sqft	south section	5162	80			suspended metal grid	south center section	one (1) sample collected. Material same as CO7 Suspended Ceiling Tile.	210126.C06.114-0704	ND													Not Regulated
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	Hallway	627	sqft	Throughout	5162				suspended metal grid	west end, outside Room C102	one (1) sample collected. "SIS-SAMSTONE" printed on backside, see photo #114-0750 Material same as CO7 Suspended Ceiling Tile.	210126.C06.114-0749	ND													Not Regulated
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	Hallway	627	sqft	throughout	5162				suspended metal grid	west end, outside Room C204	one (1) sample collected. Material same as CO7 Suspended Ceiling Tile.	210127.C06.115-0824	ND													Not Regulated
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	East Stairs	96	sqft	throughout 2nd Floor	5162																						
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	West Stairs	239	sqft	throughout	5162				suspended metal grid	north center section	one (1) sample collected. Material same as CO7 Suspended Ceiling Tile.	210127.C06.115-0772	0.69													Not Regulated
C06	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	West Stairs	239	sqft	throughout	5162																						
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' textured lava dunes		Multiple	26	9261	sqft					ND																		Not Regulated
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' textured lava dunes		1	102	346	sqft	throughout half of room	5260	130			suspended metal grid	northwest section	one (1) sample collected. Material is same as C06 Suspended Ceiling Tile. See photos #114-0734 back side of suspended ceiling tile.	210126.C07.114-0733	ND													
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' textured lava dunes		1	104	346	sqft	throughout half of room	5260																						
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		1	106	346	sqft	throughout half of room	5260																						
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		1	108	346	sqft	throughout half of room	5260																						
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		1	110	346	sqft	throughout half of room	5260	130			suspended metal grid	west center section	one (1) sample collected. Material is the same as C06 Suspended Ceiling Tile.	210126.C07.114-0758	0.47	Aroclor-1254 [1]												
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		1	112	300	sqft	throughout half of room	5260																						
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		1	113	698	sqft	throughout half of room	5260	95			suspended metal grid	west center section	one (1) sample collected. Material same as C06 Suspended Ceiling Tile.	210126.C07.114-0709	0.58	Aroclor-1254 [1]												
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		1	111A	107	sqft	throughout	5260																						
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		1	113B	123	sqft	throughout half of room	5260																						
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		1	113C	62	sqft	throughout half of room	5260																						
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		2	202	19	sqft	north section	5260																						
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		2	204	19	sqft	north section	5260																						
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		2	205	19	sqft	south section	5260	86			suspended metal grid	near south wall, east section	one (1) sample collected. Material same as C06 Suspended Ceiling Tile.	210127.C07.115-0814	ND													
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		2	206	19	sqft	north section	5260																						
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		2	207	19	sqft	south section	5260																						
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		2	208	19	sqft	north section	5260	78					VOID - Material same as C06 Suspended Ceiling Tile. no sample collected.	VOID													
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		2	209	19	sqft	south section	5260																						
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		2	210	19	sqft	north section	5260																						
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		2	211	19	sqft	south section	5260	80			suspended metal grid	south center section	one (1) sample collected. Material same as C06 Suspended Ceiling Tile.	210126.C07.116-0945	ND													
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		1	Hallway	627	sqft	Throughout	5260				suspended metal grid	west end outside Rm109	one (1) sample collected. Material same as C06 Suspended Ceiling Tile.	210126.C07.114-0751	ND													
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		2	Hallway	627	sqft	throughout	5260				suspended metal grid	west end, outside Room C204	one (1) sample collected. Material same as C06 Suspended Ceiling Tile.	210127.C07.115-0825	0.49	Aroclor-1254 [2]												
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		1	East Stairs	8	sqft	path	5260																						
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		1	West Stairs	239	sqft	throughout	5260				suspended metal grid	north center section	one (1) sample collected. Material same as C06 Suspended Ceiling Tile.	210127.C07.115-0771	0.85	Aroclor-1254 [2]												
C07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Lava Dunes		2	West Stairs	239	sqft	throughout	5260																						
C08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		Multiple	18	-	sqft				To be determined	ND																		
C08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		1	102	-	sqft			130																				
C08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		1	104	-	sqft																							
C08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		1	106	-	sqft																							
C08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		1	108	-	sqft			130																				
C08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		1	110	-	sqft																							
C08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		1	112	-	sqft																							
C08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		1	113C	-	sqft																							
C08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		2	202	-	sqft																							
C08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		2	204	-	sqft																							
C08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		2	205	-	sqft			86																				
C08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		2	206	-	sqft																							
C08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		2	207	-	sqft																							
C08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		2	208	-	sqft			78																				
C08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		2	209	-	sqft																							
C08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		2	210	-	sqft																							
C08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		2	211	-	sqft			80																				
C08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		1	Hallway	-	sqft																							
C08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		2	Hallway	-	sqft																							
C09	Joint Compound	Joint Compound	Joint Compound		Multiple	18	-					Not mastic	ND																		
C09	Joint Compound	Joint Compound	Joint Compound		1	102	-				130																				
C09	Joint Compound	Joint Compound	Joint Compound		1	104	-																								
C09	Joint Compound	Joint Compound	Joint Compound		1	106	-																								
C09	Joint Compound	Joint Compound	Joint Compound		1	108	-																								
C09	Joint Compound	Joint Compound	Joint Compound		1	110	-				130																				
C09	Joint Compound	Joint Compound	Joint Compound		1	112	-																								
C09	Joint Compound	Joint Compound	Joint Compound		1	113C	-																								
C09	Joint Compound	Joint Compound	Joint Compound		2	202	-																								
C09	Joint Compound	Joint Compound	Joint Compound		2	203	-																								
C09	Joint Compound	Joint Compound	Joint Compound		2	204	-																								
C09	Joint Compound	Joint Compound	Joint Compound		2	205	-				86																				
C09	Joint Compound	Joint Compound	Joint Compound		2	206	-																								
C09	Joint Compound	Joint Compound	Joint Compound		2	207	-																								
C09	Joint Compound	Joint Compound	Joint Compound		2	208	-				78																				
C09	Joint Compound	Joint Compound	Joint Compound		2	209	-																								
C09	Joint Compound	Joint Compound	Joint Compound		2	210	-																								
C09	Joint Compound	Joint Compound	Joint Compound		2	211	-				80																				
C09	Joint Compound	Joint Compound	Joint Compound		1	Hallway	-																								
C09	Joint Compound	Joint Compound	Joint Compound		2	Hallway	-																								
C11	Gresham	4" Gresham	4" black (newer)		Multiple	20	701	sqft				Only test mastic for PCBs at this time.	ND																		
C11	Gresham	4" Gresham	4" black (newer)		1	102	35	sqft	throughout		130																				
C11	Gresham	4" Gresham	4" black (newer)		1	104	35	sqft	throughout																						
C11	Gresham	4" Gresham	4" black (newer)		1	106/108 Bath	9	sqft	throughout																						
C11	Gresham	4" Gresham	4" black (newer)		1	106	35	sqft	throughout																						
C11	Gresham	4" Gresham	4" black (newer)		1	108	35	sqft	throughout																						
C11	Gresham	4" Gresham	4" black (newer)		1	110	35	sqft	throughout		130																				
C11	Gresham	4" Gresham	4" black (newer)		1	113	36	sqft	throughout		95																				
C11	Gresham	4" Gresham	4" black (newer)		1	111A	21	sqft	throughout																						
C11	Gresham	4" Gresham	4" black (newer)		1	113B	21	sqft	throughout																						
C11	Gresham	4" Gresham	4" black (newer)		1	113Bathroom	13	sqft	throughout																						
C11	Gresham	4" Gresham	4" black (newer)		1	113C	14	sqft	throughout																						
C11	Gresham	4" Gresham	4" black (newer)		1	115	20	sqft	throughout																						
C11	Gresham	4" Gresham	4" black (newer)		2	206	12	sqft	throughout																						
C11	Gresham	4" Gresham	4" black (newer)		2	211	35	sqft	throughout		80																				
C11	Gresham	4" Gresham	4" black (newer)		2	212	35	sqft	throughout																						
C11	Gresham	4" Gresham	4" black (newer)		2	213	35	sqft	throughout																						
C11	Gresham	4" Gresham	4" black (newer)		1	Hallway	111	sqft	throughout																						
C11	Gresham	4" Gresham	4" black (newer)		2	Hallway	111	sqft	Throughout																						

Legend

- Non Regulated
- TBD
- PCB Remedial Waste
- Potentially Excluded PCB Product (EPP)
- PCB Bulk Products
- * = Proposed Substrate Sample Location
- = Denotes homogeneous material
- = Denotes proposed sample location
- = Denotes Duplicate Sample Collected

ND = None Detect
NA = Not Analyzed

Building C - Bulk and Substrate Material Sampling Summary

Homogeneous Material	Material Type	Material Category	Material/Description	Color	Floor	Room Number	Approximate Quantity	Units	Location of Material	Photo Number	Air Sampling Strip (Yes/ND)	Comments	Asbestos Results %	Substrate/Quoted (Y/N)	Specific Sample Location	ACC Comments	Sample ID Number (Page, Dir, Photo #'s)	Total PCB Aroclor Results (ppm)	Analytes	Substrate 0-1/2" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ACC Comments	Waste Category	Legend
C11	Coreshare	4" Coreshare	4" Black (mirror)		1	East-Stairs	8	sqft	Sct (floor only)	3195/3264																						
C11	Coreshare	4" Coreshare	4" Black (mirror)		1	West Stairs	40	sqft	throughout	3195/3264																						
C12	Adhesive	4" Coreshare Adhesive	associated with C11		Multiple	20	705	sqft					ND																	Potentially Excluded PCB Product	
C12	Adhesive	4" Coreshare Adhesive	associated with C11		1	102	35	sqft	throughout	3195/3264	130			unpainted plaster skim coat/leveling agent (pink?)	north wall, west section	one (1) sample collected. Leveling agent inseparable.	210126.C12.114-0726	1.8	Aroclor-1254 [J]												
C12	Adhesive	4" Coreshare Adhesive	associated with C11		1	104	35	sqft	throughout	3195/3264																						
C12	Adhesive	4" Coreshare Adhesive	associated with C11		1	106/Arch Room	9	sqft	throughout	3195/3264																						
C12	Adhesive	4" Coreshare Adhesive	associated with C11		1	106	35	sqft	throughout	3195/3264																						
C12	Adhesive	4" Coreshare Adhesive	associated with C11		1	106	35	sqft	throughout	3195/3264																						
C12	Adhesive	4" Coreshare Adhesive	associated with C11		1	110	35	sqft	throughout	3195/3264	130																					
C12	Adhesive	4" Coreshare Adhesive	associated with C11		1	113	56	sqft	throughout	3195/3264	95			painted plaster	south wall, center section	one (1) sample collected. paint inseparable.	210127.C12.115-0783	12.2	Aroclor-1248 [J], Aroclor-1254 [J]			210323.C12.128-1105 ND	-			-	first Sampled			1505 assumed behind plaster	
C12	Adhesive	4" Coreshare Adhesive	associated with C11		1	1151	21	sqft	throughout	3195/3264																						
C12	Adhesive	4" Coreshare Adhesive	associated with C11		1	1130	21	sqft	throughout	3195/3264																						
C12	Adhesive	4" Coreshare Adhesive	associated with C11		1	1130Bathroom	13	sqft	throughout	3195/3264																						
C12	Adhesive	4" Coreshare Adhesive	associated with C11		1	1130	14	sqft	throughout	3195/3264																						
C12	Adhesive	4" Coreshare Adhesive	associated with C11		1	115	20	sqft	throughout	3195/3264																						
C12	Adhesive	4" Coreshare Adhesive	associated with C11		2	204	12	sqft	throughout	3195/3264																						
C12	Adhesive	4" Coreshare Adhesive	associated with C11		2	213	35	sqft	throughout	3195/3264	60			painted concrete	north wall, east end	one (1) sample collected. light brown over dark brown adhesive. Layers inseparable.	210126.C12.118-0648	9.1	Aroclor-1248 [J], Aroclor-1254 [J]												
C12	Adhesive	4" Coreshare Adhesive	associated with C11		2	213	35	sqft	throughout	3195/3264																						
C12	Adhesive	4" Coreshare Adhesive	associated with C11		2	213	35	sqft	throughout	3195/3264																						
C12	Adhesive	4" Coreshare Adhesive	associated with C11		1	Hallway	110	sqft	throughout	3195/3264																						
C12	Adhesive	4" Coreshare Adhesive	associated with C11		2	Hallway	110	sqft	Throughout	3195/3264																						
C12	Adhesive	4" Coreshare Adhesive	associated with C11		1	East-Stairs	8	sqft	Sct (floor only)	3195/3264																						
C12	Adhesive	4" Coreshare Adhesive	associated with C11		1	West Stairs	40	sqft	throughout	3195/3264																						
C13	Plaster	Plaster	Plaster		Multiple	20	-					TBD	ND																		
C13	Plaster	Plaster	Plaster		1	102	-				130																				
C13	Plaster	Plaster	Plaster		1	103Men's Bath	-																								
C13	Plaster	Plaster	Plaster		1	104	-																								
C13	Plaster	Plaster	Plaster		1	106/Arch Room	-																								
C13	Plaster	Plaster	Plaster		1	106	-																								
C13	Plaster	Plaster	Plaster		1	108	-																								
C13	Plaster	Plaster	Plaster		1	109Carl's Bath	-																								
C13	Plaster	Plaster	Plaster		1	110	-				130																				
C13	Plaster	Plaster	Plaster		1	113	-																								
C13	Plaster	Plaster	Plaster		1	115	-																								
C13	Plaster	Plaster	Plaster		1	115	-				95																				
C13	Plaster	Plaster	Plaster		1	1151	-																								
C13	Plaster	Plaster	Plaster		1	1130	-																								
C13	Plaster	Plaster	Plaster		1	1130Bathroom	-																								
C13	Plaster	Plaster	Plaster		1	1130	-																								
C13	Plaster	Plaster	Plaster		1	115	-																								
C13	Plaster	Plaster	Plaster		2	201	-																								
C13	Plaster	Plaster	Plaster		2	201A	-																								
C13	Plaster	Plaster	Plaster		2	202	-																								
C13	Plaster	Plaster	Plaster		2	203	-																								
C13	Plaster	Plaster	Plaster		2	204	-																								
C13	Plaster	Plaster	Plaster		2	205	-				86																				
C13	Plaster	Plaster	Plaster		2	206	-																								
C13	Plaster	Plaster	Plaster		2	207	-																								
C13	Plaster	Plaster	Plaster		2	208	-				78																				
C13	Plaster	Plaster	Plaster		2	209	-																								
C13	Plaster	Plaster	Plaster		2	210	-																								
C13	Plaster	Plaster	Plaster		2	211	-				60																				
C13	Plaster	Plaster	Plaster		2	212	-																								
C13	Plaster	Plaster	Plaster		2	213	-																								
C13	Plaster	Plaster	Plaster		1	Hallway	-																								
C13	Plaster	Plaster	Plaster		2	Hallway	-																								
C13	Plaster	Plaster	Plaster		1	East-Stairs	-																								
C13	Plaster	Plaster	Plaster		1	West Stairs	-																								
C13	Plaster	Plaster	Plaster		2	West Stairs	-																								
C14	Vinyl Floor Tile	12". Tile	12" x 12" cream with Green and Brown Streaks		1	2	1045	sqft				Only test mastic for PCBs at this time.	ND																		
C14	Vinyl Floor Tile	12" Tile	12" x 12" cream with Green and Brown Streaks		1	102	500	sqft	center of room	3195/3196	130																				
C14	Vinyl Floor Tile	12" Tile	12" x 12" cream with Green and Brown Streaks		1	106	107	sqft	throughout	3195/3196																					
C15	Mastic	12" Tile Mastic	associated with C14		1	2	1782	sqft					ND																	Exclusion Product	
C15	Mastic	12" Tile Mastic	associated with C14		1	102	500	sqft	center of room	3195/3196	130			unpainted/concrete	west center section	one (1) sample collected. yellow over residual/black mastic. Floor leveling agent. Layers inseparable.	210127.C15.115-0807	140	Aroclor-1254 [J]												
C15	Mastic	12" Tile Mastic	associated with C14		1	106	107	sqft	throughout	3195/3196		analytical report "210126.C36.114-0753"		unpainted/concrete	west center section	two (2) samples collected. Yellow mastic, floor leveling agent over residual black mastic.	210126.C15.114-0755	510	Aroclor-1254 [J]Aroclor-1254 [J]	210323.C15.128-1048 3-1 Aroclor-1254 [J]		210323.C15.128-1107 ND									
C15	Mastic	12" Tile Mastic	associated with C14		1	106	107	sqft	throughout	3195/3196		analytical report "210126.C36.114-0754"		unpainted/concrete	west center section	two (2) samples collected. Yellow mastic, floor leveling agent over residual black mastic.	210126.C15.114-0756	430	Aroclor-1254 [J]Aroclor-1254 [J]												
C16	Vinyl Floor Tile	9". Tile	9" x 9" Olive/Gray with White Streaks		Multiple	11	6591	sqft				Only test mastic for PCBs at this time. Asbestos	8% Chrysotile																		
C16	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Gray with White Streaks		1	101	86	sqft	under carpet	3194																					
C16	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Gray with White Streaks		1	102	346	sqft	throughout	3194	130																				
C16	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Gray with White Streaks		1	104	619	sqft	throughout	3194																					
C16	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Gray with White Streaks		2	203	107	sqft	throughout	3194																					
C16	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Gray with White Streaks		2	204	107	sqft	throughout	3194																					
C16	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Gray with White Streaks		2	206	667	sqft	throughout	3194																					
C16	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Gray with White Streaks		2	207	107	sqft	throughout	3194																					
C16	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Gray with White Streaks		2	208	107	sqft	throughout	3194	78																				
C16	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Gray with White Streaks		2	209	107	sqft	throughout	3194																					
C16	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Gray with White Streaks		2	210	107	sqft	throughout	3194																					
C16	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Gray with White Streaks		2	212	107	sqft	throughout	3194																					
C17	Mastic	9" Tile Mastic	associated with C16		Multiple	11	6591	sqft					ND																	Exclusion Product	
C17	Mastic	9" Tile Mastic	associated with C16		1	101	86	sqft	under carpet	3194																					
C17	Mastic	9" Tile Mastic	associated with C16	black	1	102	346	sqft	throughout	3194	130			unpainted/concrete	west center section	one (1) sample collected.	210126.C17.114-0726	2400	Aroclor-1254 [J]												
C17	Mastic	9" Tile Mastic	associated with C16		1	104	619	sqft	throughout	3194																					
C17	Mastic	9" Tile Mastic	associated with C16		2	203	107	sqft	throughout	3194																					
C17	Mastic	9" Tile Mastic	associated with C16		2	204	107	sqft	throughout	3194																					
C17	Mastic	9" Tile Mastic	associated with C16		2	206	667	sqft	throughout	3194																					
C17	Mastic	9" Tile Mastic	associated with C16		2	207	107	sqft	throughout	3194																					
C17	Mastic	9" Tile Mastic	associated with C16	black	2	208	107	sqft	throughout	3194	78			unpainted/concrete	southeast section	one (1) sample collected.	210127.C17.115-0833	40000	Aroclor-1254 [J]												
C17	Mastic	9" Tile Mastic	associated with C16		2	209	107	sqft	throughout	3194																					
C17	Mastic	9" Tile Mastic	associated with C16		2	210	107	sqft	throughout	3194																					
C17	Mastic	9" Tile Mastic	associated with C16		2	212	107	sqft	throughout	3194				unpainted/concrete	southwest corner	one (1) sample collected.	210126.C17.116-0952	41000	Aroclor-1254 [J]	210322.C17.128-1151 3-3 Aroclor-1254 [J]		210322.C17.128-1212 ND									
C18	Window Caulking	Window Caulking	Metal Casing to CMU	tan	Multiple	20	-					Previously Sampled - PCB C18A 18 ppm		ND results in bldg. Positive in other areas.																	
C18	Window Caulking	Window Caulking	Metal Casing to CMU	tan	1	102	-				130																				
C18	Window Caulking	Window Caulking	Metal Casing to CMU	tan	1	104	-																								
C18	Window Caulking	Window Caulking	Metal Casing to CMU	tan	1	106	-																								
C18	Window Caulking	Window Caulking	Metal Casing to CMU	tan	1	108	-																								
C18	Window Caulking	Window Caulking	Metal Casing to CMU	tan	1	110	-				130																				
C18	Window Caulking	Window Caulking	Metal Casing to CMU	tan	1	112	-																								
C18	Window Caulking	Window Caulking	Metal Casing to Plaster	tan	1	113	-				95																				
C18	Window Caulking	Window Caulking	Metal Casing to Plaster	tan	1	1130	-																								
C18	Window Caulking	Window Caulking	Metal Casing to CMU	tan	2	202	-																								
C18	Window Caulking	Window Caulking	Metal Casing to CMU	tan	2	203	-																								
C18	Window Caulking	Window Caulking	Metal Casing to CMU	tan	2	204	-																								
C18	Window Caulking	Window Caulking	Metal Casing to CMU	tan	2	205	-				86																				
C18	Window Caulking	Window Caulking	Metal Casing to CMU	tan	2	206	-																								
C18	Window Caulking	Window Caulking	Metal Casing to CMU	tan	2	207	-																								
C18	Window Caulking	Window Caulking	Metal Casing to CMU	tan	2	208	-				78																				
C18	Window Caulking	Window Caulking	Metal Casing to CMU	tan	2	209	-																								
C18	Window Caulking	Window Caulking	Metal Casing to CMU	tan	2	210	-																								
C18	Window Caulking	Window Caulking	Metal Casing to CMU	tan	2	211	-				60																				
C18	Window Caulking	Window Caulking	Metal Casing to CMU	tan	2	212	-																								
C18	Window Caulking	Window Caulking	Metal Casing to CMU	tan	2	213	-																								
C19	Window Caulking	Window Caulking	Metal Casing to Metal Sill		Multiple	20	-					Previously Sampled - PCB C19A 277 ppm		ND results in bldg. Positive in other areas.																	
C19	Window Caulking	Window Caulking	Metal Casing to Metal Sill		1	102	-				130																				
C19	Window Caulking	Window Caulking	Metal Casing to Metal Sill		1	104	-																								
C19	Window Caulking	Window Caulking	Metal Casing to Metal Sill		1	106	-																								
C19	Window Caulking	Window Caulking	Metal Casing to Metal Sill		1	108	-																								
C19	Window Caulking	Window Caulking	Metal Casing to Metal Sill		1	110	-				130																				
C19	Window Caulking	Window Caulking	Metal Casing to Metal Sill		1	112	-																								
C19	Window Caulking	Window Caulking	Metal Casing to Metal Sill		1	113	-				95																				
C19	Window Caulking	Window Caulking	Metal Casing to Metal Sill		1	1130	-																								
C19	Window Caulking	Window Caulking	Metal Casing to Metal Sill		2	202	-																								
C19	Window Caulking	Window Caulking	Metal Casing to Metal Sill		2	203	-																								
C19	Window Caulking	Window Caulking	Metal Casing to Metal Sill		2	204	-																								

Building C - Bulk and Substrate Material Sampling Summary

Homogeneous Material	Material Type	Material Category	Material Description	Color	Qnty	Room Number	Approximate Quantity	Units	Location of Material	Photo Number	Air Sampling SUM (ng/cm2)	Comments	Asbestos Results %	Substrate/Context (Y/N)	Specific Sample Location	ACC Comments	Sample ID Number (Data Qlr Photo #'s)	Total PCB Aroclor Results (ppm)	Analytes	Substrate 0-1/2" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ACC Comments	Waste Category	Legend
C19	Window Caulking	Window Caulking	Metal Casing to Metal Sill		2	203	-				66																				
C19	Window Caulking	Window Caulking	Metal Casing to Metal Sill		2	204	-																								
C19	Window Caulking	Window Caulking	Metal Casing to Metal Sill		2	207	-																								
C19	Window Caulking	Window Caulking	Metal Casing to Metal Sill		2	208	-				78																				
C19	Window Caulking	Window Caulking	Metal Casing to Metal Sill		1	209	-																								
C19	Window Caulking	Window Caulking	Metal Casing to Metal Sill		2	210	-																								
C19	Window Caulking	Window Caulking	Metal Casing to Metal Sill		2	211	-				60																				
C19	Window Caulking	Window Caulking	Metal Casing to Metal Sill		2	212	-																								
C19	Window Caulking	Window Caulking	Metal Casing to Metal Sill		2	213	-																								
C23	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks		Multiple	15	6836	sqft				Only test mastic for PCBs at this time.	ND																		
C23	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks		1	103Ba's Back	26	sqft	at entrance only	5241																					
C23	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks		1	104	9	sqft	at door	5241																					
C23	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks		1	107Staff Bath	4	sqft	at door only	5241																					
C23	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks		1	108	107	sqft	throughout	5241																					
C23	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks		1	110	107	sqft	throughout	5241	130																				
C23	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks		1	111	1305	sqft	throughout	5241	95																				
C23	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks		1	111A	214	sqft	throughout	5241																					
C23	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks		1	113B	263	sqft	throughout	5241																					
C23	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks		1	113C	123	sqft	throughout	5241																					
C23	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks		2	200	90	sqft	throughout	5241																					
C23	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks		2	201	697	sqft	throughout	5241	60																				
C23	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks		2	213	717	sqft	throughout	5241																					
C23	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks		1	Hallway	1962	sqft	throughout	5241																					
C23	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks		2	Hallway	943	sqft	Throughout	5241																					
C23	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks		1	East Stairs	40	sqft	1st floor only	5241																					
C24	Mastic	12" Tile Mastic	associated with C23		Multiple	15	6450	sqft					ND																		Potentially Excluded PCB Product
C24	Mastic	12" Tile Mastic	associated with C23		1	103Ba's Back	26	sqft	at entrance only	5241																					
C24	Mastic	12" Tile Mastic	associated with C23		1	104	9	sqft	at door	5241																					
C24	Mastic	12" Tile Mastic	associated with C23		1	107Staff Bath	4	sqft	at door only	5241																					
C24	Mastic	12" Tile Mastic	associated with C23		1	108	107	sqft	throughout	5241																					
C24	Mastic	12" Tile Mastic	associated with C23	yellow	1	110	107	sqft	throughout	5241	130			unpainted concrete	center section	one (1) sample collected. ON HOLD - assumed Post 1980s installation.	210127.C24.105-0808	ON HOLD												
C24	Mastic	12" Tile Mastic	associated with C23		1	111	1305	sqft	throughout	5241	95			unpainted concrete	west center section	one (1) sample collected. ON HOLD - assumed post 1980s installation. Mastic is very thin, yellow.	210127.C24.115-0794	ON HOLD												
C24	Mastic	12" Tile Mastic	associated with C23		1	111A	214	sqft	throughout	5241																					
C24	Mastic	12" Tile Mastic	associated with C23		1	113B	263	sqft	throughout	5241																					
C24	Mastic	12" Tile Mastic	associated with C23		1	113C	123	sqft	throughout	5241																					
C24	Mastic	12" Tile Mastic	associated with C23		2	200	90	sqft	throughout	5241																					
C24	Mastic	12" Tile Mastic	associated with C23	yellow	2	201	697	sqft	throughout	5241	60			unpainted concrete	center section	one (1) sample collected. ON HOLD - assumed post 1980s installation. No residual black mastic observed.	210126.C24.116-0947	ON HOLD												
C24	Mastic	12" Tile Mastic	associated with C23		2	213	717	sqft	throughout	5241				unpainted concrete	west center section	one (1) sample collected.yellow over residual black mastic. Layers inseparable.	210126.C24.117-0951	7400	Aroclor-1254 [2]	210127.C24.126-1253 11 Aroclor-1254 [2]		210127.C24.126-1254 6.50 Aroclor-1254 [2]								
C24	Mastic	12" Tile Mastic	associated with C23 & C30		1	Hallway	1728	sqft	Throughout	5241				unpainted concrete	east end, outside Room C110	one (1) sample collected. ON HOLD - assumed post 1980s installation.	210127.C24.115-0908	ON HOLD												
C24	Mastic	12" Tile Mastic	associated with C23 & C30		2	Hallway	1728	sqft	Throughout	5241				unpainted concrete	outside Room C208	one (1) sample collected. ON HOLD - assumed post 1980s installation.	210126.C24.117-0958	ON HOLD												
C24	Mastic	12" Tile Mastic	associated with C23 & C30		1	East Stairs	62	sqft	1st floor only	5241				unpainted concrete	north center section	one (1) sample collected. ON HOLD - assumed post 1980s installation.	210127.C24.115-0911	ON HOLD												
C25	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		Multiple	20	-	sqft				Assumed asbestos	VOID																	TBD
C25	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		1	102	-	sqft	at north wall	5196	130					VOID - no adhesive observed.	VOID - See Photo #114-0737													
C25	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		1	104	-	sqft	at north wall	5191																					
C25	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		1	106	-	sqft	at north wall	5197																					
C25	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		1	108	-	sqft	at north wall	5205																					
C25	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		1	110	-	sqft	at north wall	5206	130																				
C25	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		1	112	-	sqft	at north wall	5211																					
C25	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		1	113	-	sqft	at north wall	5226	95					VOID - no adhesive observed.	VOID													
C25	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		1	113B	-	sqft	at north wall	5232																					
C25	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		2	202	-	sqft	at north wall	5200																					
C25	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		2	203	-	sqft	at north wall	5196																					
C25	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		2	204	-	sqft	at north wall	5203																					
C25	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		2	208	-	sqft	at north wall	5210	66					VOID - no adhesive observed.	VOID - See Photo # 115-0815													
C25	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		2	206	-	sqft	at north wall	5207																					
C25	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		2	207	-	sqft	at north wall	5195																					
C25	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		2	208	-	sqft	at north wall	5210	78					VOID - no adhesive observed.	VOID													
C25	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		1	209	-	sqft	at north wall	5226																					
C25	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		2	210	-	sqft	at north wall	5204																					
C25	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		2	211	-	sqft	at north wall	5192	60					VOID - no adhesive observed.	VOID													
C25	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		2	212	-	sqft	at north wall	5190																					
C25	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		2	213	-	sqft	at north wall	5210																					
C26	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with pinholes (linear) and long fissures in same direction		Multiple	6	198	sqft					ND																		TBD
C26	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with pinholes (linear) and long fissures in same direction		1	101	66	sqft	throughout	5271/5316				suspend metal grid	east center section	one (1) sample collected. See photo #114-0725 for backside of suspended ceiling tile.	210126.C26.114-0726	1.2	Aroclor-1254[2]											PCB Remediation Waste
C26	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with pinholes (linear) and long fissures in same direction		1	112	66	sqft	porch	5271/5316																					
C26	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with pinholes (linear) and long fissures in same direction		1	Hallway	36	sqft	porch	5271/5316				suspended metal grid	west end, outside Room C205	one (1) sample collected.	210127.C26.115-0926	0.97	Aroclor-1254 [2]											Non Regulated
C26	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with pinholes (linear) and long fissures in same direction		1	West Stairs	8	sqft	porch	5271/5316																					
C26	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with pinholes (linear) and long fissures in same direction		2	West Stairs	76	sqft	porch	5271/5316				suspended metal grid	south center section	one (1) sample collected.	210127.C26.115-0922	0.80	Aroclor-1254 [2]											Non Regulated
C27	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with short fissures and potholes (dense)		Multiple	7	224	sqft					ND																		Non Regulated
C27	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with short fissures and potholes (dense)		1	102	46	sqft	porch	5272/5315				suspended metal grid	east center section	one (1) sample collected.	210126.C27.114-0767	0.64	Aroclor-1254 [1]											
C27	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with short fissures and potholes (dense)		1	113B	16	sqft	porch	5272/5315																					
C27	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with short fissures and potholes (dense)		1	Hallway	36	sqft	porch	5272/5315																					
C27	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with short fissures and potholes (dense)		2	Hallway	36	sqft	porch	5272/5315				suspended metal grid	west end, outside Room C205	one (1) sample collected.	210127.C27.115-0927	0.49	Aroclor-1254 [2]											
C27	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with short fissures and potholes (dense)		1	East Stairs	4	sqft	porch	5272/5315																					
C27	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with short fissures and potholes (dense)		1	West Stairs	8	sqft	porch	5272/5315																					
C27	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' with short fissures and potholes (dense)		2	West Stairs	76	sqft	porch	5272/5315				suspended metal grid	center section	one (1) sample collected.	210127.C27.115-0923	ND												
C28	Vinyl Floor Tile	24" Tile	24" x 24" Grey w/ black, gray and white streaks		1	1	597	sqft				Only test mastic for PCBs at this time.	ND																		
C28	Vinyl Floor Tile	24" Tile	24" x 24" Grey w/ black, gray and white streaks		1	112	597	sqft	throughout	5212																					
C29	Mastic	24" Tile Mastic	associated with C28		1	1	597	sqft					ND																		Potentially Excluded PCB Product
C29	Mastic	24" Tile Mastic	associated with C28		1	112	597	sqft	throughout	5212		Analytical report "210126.C29.114-0767"		unpainted concrete	southwest section	three (3) samples collected.	210126.C29.114-0763	1.2	Aroclor-1254 [1];Aroclor-1254 [1];Aroclor-1254 [1];Aroclor-1254 [1];Aroclor-1254 [1];Aroclor-1254 [1]	210207.C29.126-1249 ND	210203.C29.126-1251 NA								
C29	Mastic	24" Tile Mastic	associated with C28		1	112	597	sqft	throughout	5212				unpainted concrete	southwest section	three (3) samples collected.	210126.C29.114-0764	1.2												
C29	Mastic	24" Tile Mastic	associated with C28		1	112	597	sqft	throughout	5212				unpainted concrete	southwest section	three (3) samples collected.	210126.C29.114-0765	1.1												
C30	Fire Stop Caulk	Fire Stop Caulk	Fire Stop Caulk	red	1	1	-	sqft				Post 1980	ND																		
C30	Fire Stop Caulk	Fire Stop Caulk	Fire Stop Caulk	red	1	103	-	sqft																							
C31	Gypsum Wall Board	Gypsum Wall Board	Nowac, Type 1		1	4	-	sqft				TBD	ND																		
C31	Gypsum Wall Board	Gypsum Wall Board	Nowac, Type 1		1	103	-	sqft			95																				
C31	Gypsum Wall Board	Gypsum Wall Board	Nowac, Type 1		1	111A	-	sqft																							
C31	Gypsum Wall Board	Gypsum Wall Board	Nowac, Type 1		1	113B	-	sqft																							
C31	Gypsum Wall Board	Gypsum Wall Board	Nowac, Type 1		1	113Bathroom	-	sqft																							
C32	Joint Compound	Joint Compound	Nowac, Type 1		1	4	-	sqft				Not mastic	ND																		
C32	Joint Compound	Joint Compound	Nowac, Type 1		1	103	-	sqft			95																				
C32	Joint Compound	Joint Compound	Nowac, Type 1		1	111A	-	sqft																							
C32	Joint Compound	Joint Compound	Nowac, Type 1		1	113B	-	sqft																							
C32	Joint Compound	Joint Compound	Nowac, Type 1		1	113Bathroom	-	sqft																							
C34	Sink Undercoating	Sink Undercoat	single bay sink		dark tan	1	4	3	sqft				Limited material	ND																	Potentially Excluded PCB Product
C34	Sink Undercoating	Sink Undercoat	single bay sink	dark tan	1	113B	3	sqft	at south wall	5233				stainless steel sink	sink at south wall	one (1) sample collected.	210127.C34.115-0770	18.4	Aroclor-1248 [1]; Aroclor-1254 [2]											
C35	Grout	Grout associated with 4" Tile	associated with ceramic wall tile4" white/gray		Multiple	5	1379	sqft				N-t mastic	NO																	
C35	Grout	Grout associated with 4" Tile	associated with ceramic wall tile4" white/gray		1	103Ba's Back	331	sqft	assumed behind CsC & C46	5234/5207																					
C35	Grout	Grout associated with 4" Tile	associated with ceramic wall tile4" white/gray		1	103Gal's Bath	306	sqft	assumed behind CsC & C46	5234/5207																					
C35	Grout	Grout associated with 4" Tile	associated with ceramic wall tile4" white/gray		1	111	16	sqft	south wall	5234/5207																					
C35	Grout	Grout associated with 4" Tile	associated with ceramic wall tile4" white/gray		1	113Bathroom	312	sqft	throughout	5234/5207																					
C35	Grout	Grout associated with 4" Tile	associated with ceramic wall tile4" white/gray		2	201	16	sqft	at south wall	5234/5207																					
C36	Adhesive	4" Tile Adhesive	associated with C35		Multiple	5	1379	sqft				N-t mastic	NO																	
C36	Adhesive	4" Tile Adhesive	associated with C35		1	103Ba's Back	331	sqft	assumed behind CsC & C46	5234/5207				unpainted plaster base coat		VOID - no adhesive observed. Mortar bed only	VOID - See Photo #114-0741													
C36	Adhesive	4" Tile Adhesive	associated with C35		1	103Gal's Bath	306	sqft	assumed behind CsC & C46	5234/5207				unpainted plaster		VOID - no adhesive observed. mortar bed only.	VOID - See Photo #115-0798													
C36	Adhesive	4" Tile Adhesive	associated with C35		1	111	16	sqft	south wall	5234/5207																					
C36	Adhesive	4" Tile Adhesive	associated with C35		1	113Bathroom	312	sqft	throughout	5234/5207						VOID - no adhesive observed. mortar bed only.	VOID - See Photo #115-0797													
C36	Adhesive	4" Tile Adhesive	associated with C35		2	201	16	sqft	at south wall	5234/5207																					
C41	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' holes and pinholes		Multiple	4	180	sqft					ND																		TBD
C41	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' holes and pinholes		1	201	81	sqft	throughout	5313						VOID - C41 Suspended Ceiling Tile not present in Room.	VOID													
C41	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' holes and pinholes		2	Hallway	36	sqft	porch	5313		See Photo #115-0820		suspended metal grid	west section center outside	one (1) sample collected. See photo #115-0828 for backside of suspended ceiling tile.	210127.C41.115-0828	0.70	Aroclor-1254 [2]											Non Regulated
C41	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' holes and pinholes		1	West Stairs	8	sqft	porch	5313																					
C41	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' holes and pinholes		2	West Stairs	76	sqft	porch	5313						VOID - C41 Suspended Ceiling Tile not present in Room.	VOID													
C43	Wall Paper	Wall Paper	beige with texture		1	1	126	sqft					ND																		
C43	Wall Paper	Wall Paper	beige with texture		1	103Gal's Bath	126	sqft	at entrance only	5239																					
C611	Adhesive	Wall Paper Adhesive	associated with C43		1	1	126	sqft					ND																		Potentially Excluded PCB Product
C611	Adhesive	Wall Paper Adhesive	associated with C43		1	103Gal's Bath	126	sqft	at entrance only	5239				unpainted plaster skim coat	west wall, south section west wall, center section	two (2) samples collected.	210126.C43.1.114-0753	2.4	Aroclor-1254 [2];Aroclor-1248 [1];Aroclor-1254 [1]			210203.C43.1.129-1170 ND	210203.C43.1.129-1171 NA							
C611	Adhesive	Wall Paper Adhesive	associated with C43		1	103Gal's Bath	126	sqft	at entrance only	5239				unpainted plaster skim coat	west wall, south section west wall, center section	two (2) samples collected.	210126.C43.1.114-0754	2.4	Aroclor-1254 [2];Aroclor-1248 [1];Aroclor-1254 [1]											
C44	Gypsum Wall Board	Gypsum Wall Board	Nowac, Type 2		1	103Ba's Back	-	sqft																							
C44	Gypsum Wall Board	Gypsum Wall Board	Nowac, Type 2		1	107Staff Bath	-	sqft																							
C44	Gypsum Wall Board	Gypsum Wall Board	Nowac, Type 2		1	103Gal's Bath	-	sqft																							
C45	Joint Compound	Joint Compound	Nowac, Type 2		1	3	-	sqft				Not mastic.	ND																		

Building C - Bulk and Substrate Material Sampling Summary

Homogeneous Material	Material Type	Material Category	MaterialDescription	Color	Floor	Room Number	Approximate Quantity	Units	Location of Material	Photo Number	Air Sampling 9/20 (ng/m3)	Comments	Asbestos Results %	SubstratePainted?Y/N	Specific Sample Location	ATC Comments	Sample ID Number (Date.H#.Photo ID #)	Total PCB Aroclor Results (ppm)	Analytes	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ATC Comments	Waste Category	Legend
C45	Joint Compound	Joint Compound	Newer, Type 2		1	103Boy's Bath	-	sqft																								
C45	Joint Compound	Joint Compound	Newer, Type 2		1	107Staff Bath	-	sqft																								
C45	Joint Compound	Joint Compound	Newer, Type 2		1	109Girl's Bath	-	sqft																								
C47	Grout	Grout	associated with ceramic wall tile 4" white/blue (newer)		1	2	1035	sqft				Not mastic	ND																			
C47	Grout	Grout	associated with ceramic wall tile 4" white/blue (newer)		1	103Boy's Bath	531	sqft	throughout	5241																						
C47	Grout	Grout	associated with ceramic wall tile 4" white/blue (newer)		1	109Girl's Bath	504	sqft	throughout	5241																						
C48	Adhesive	Adhesive associate with grout associated with 4" ceramic tile	associated with C47		1	2	1035	sqft				Not mastic	ND																		Not Regulated	
C48	Adhesive	Adhesive associate with grout associated with 4" ceramic tile	associated with C47		1	103Boy's Bath	531	sqft	throughout	5241				Ceramic Wall Tile (C35)	south wall, west section	two (2) samples collected.	210126.C48.114-0742	0.48	Aroclor-1242 [1]ND													
C48	Adhesive	Adhesive associate with grout associated with 4" ceramic tile	associated with C47		1	103Boy's Bath	531	sqft	throughout	5241				Ceramic Wall Tile (C35)	south wall, west section	two (2) samples collected.	210126.C48.114-0743	ND	Aroclor-1242 [1]ND													
C48	Adhesive	Adhesive associate with grout associated with 4" ceramic tile	associated with C47		1	109Girl's Bath	504	sqft	throughout	5241				unpainted gypsum wall board	north wall, east section	one (1) sample collected. Gypsum wall board inseparable.	210127.C48.115-0784	ND														
C49	Grout	2" Tile	associated with ceramic floor tile2" tan with black specks		1	2	408	sqft				Not mastic	ND																			
C49	Grout	2" Tile	associated with ceramic floor tile2" tan with black specks		1	103Boy's Bath	214	sqft	throughout	5242																						
C49	Grout	2" Tile	associated with ceramic floor tile2" tan with black specks		1	109Girl's Bath	194	sqft	throughout	5242																						
C50	Mortar/Adhesive	2" Tile Adhesive	associated with C49		1	2	408	sqft				Not mastic	ND																		Potentially Excluded PCB Product	
C50	Mortar/Adhesive	2" Tile Adhesive	associated with C49	beige	1	103Boy's Bath	214	sqft	throughout	5242				Ceramic Floor Tile (C88)	Southwest corner	two (2) samples collected. glue dots on floor leveler & mortar bed	210126.C50.114-0745	3.6	Aroclor-1242[2], Aroclor-1254[2]Aroclor-1242[2], Aroclor-													
C50	Mortar/Adhesive	2" Tile Adhesive	associated with C49	beige	1	103Boy's Bath	214	sqft	throughout	5242				Ceramic Floor Tile (C88)	Southwest corner	two (2) samples collected. glue dots on floor leveler & mortar bed	210126.C50.114-0746	4	Aroclor-1242[2], Aroclor-1254[2]Aroclor-1242[2], Aroclor-													
C50	Mortar/Adhesive	2" Tile Adhesive	associated with C49	tan	1	109Girl's Bath	194	sqft	throughout	5242				Ceramic Floor Tile (C88)	north center section	one (1) sample collected. glue dots on mortar bed.	210127.C50.115-0785	2.5	Aroclor-1248 [2], Aroclor-1254 [2]													
C51	Covebase	4" Covebase	4" tan		1	1	10	sqft				Only test mastic for PCBs at this time.	ND																			
C51	Covebase	4" Covebase	4" tan		1	107Staff Bath	10	sqft	throughout	5246																						
C52	Adhesive	4" Covebase Adhesive	associated with C51		1	1	10	sqft					ND																		TBD	
C52	Adhesive	4" Covebase Adhesive	associated with C51		1	107Staff Bath	10	sqft	throughout	5246				painted Gypsum Wall Board	north wall, west sectionnorth wall, center section	two (2) samples collected. ON HOLD - assumed Post 1980s installation. Gypsum wall board inseparable.	210127.C52.115-0787210127.C52.115-0788	ON HOLD														
C53	Vinyl Floor Tile	12" Tile	12" x 12" white with large blue streaks		1	1	58	sqft				Only test mastic for PCBs at this time.	ND																			
C53	Vinyl Floor Tile	12" Tile	12" x 12" white with large blue streaks		1	107Staff Bath	58	sqft	throughout	5247																						
C54	Mastic	12" Tile Mastic	associated with C53		1	1	58	sqft				Limited quantity of material	ND																		TBD	
C54	Mastic	12" Tile Mastic	associated with C53		1	107Staff Bath	58	sqft	throughout	5247				unpainted concrete	northwest cornernorthwest section	two (2) samples collected. ON HOLD - assumed Post 1980s installation. very think yellow mastic and leveling agent. Layers inseparable.	210127.C54.115-0791210127.C54.115-0792	ON HOLD														
C55	Thermal System Insulation	-	Mudded Pipe Joint Insulation		1	1	-	sqft					ACM >1%																			
C55	Thermal System Insulation	-	Mudded Pipe Joint Insulation		1	105Utility Room	-	sqft																								
C56	Vinyl Floor Tile	12" Tile	12" x 12" shades of blue		Multiple	3	1592	sqft				Only test mastic for PCBs at this time.	ND																			
C56	Vinyl Floor Tile	12" Tile	12" x 12" shades of blue		1	Hallway	785	sqft	Throughout	5254																						
C56	Vinyl Floor Tile	12" Tile	12" x 12" shades of blue		2	Hallway	785	sqft	Throughout	5254																						
C56	Vinyl Floor Tile	12" Tile	12" x 12" shades of blue		1	East Stairs	22	sqft	1st floor only	5254																						
C56.1	Mastic Adhesive	12" Tile Mastic	Associated with C56		Multiple	3	1592	sqft				Only test mastic for PCBs at this time.	ND																		TBD	
C56.1	Mastic Adhesive	12" Tile Mastic	Associated with C56		1	Hallway	785	sqft	Throughout	5254				unpainted concrete	east end, outside Room C110	one (1) sample collected. ON HOLD - assumed post 1980s installation.	210127.C56.1.115-0810	OH HOLD														
C56.1	Mastic Adhesive	12" Tile Mastic	Associated with C56		2	Hallway	785	sqft	Throughout	5254				unpainted concrete	outside Room C209	one (1) sample collected. ON HOLD - assumed post 1980s installation.	210129.C56.1.117-0862	ON HOLD														
C56.1	Mastic Adhesive	12" Tile Mastic	Associated with C56		1	East Stairs	22	sqft	1st floor only	5254				unpainted concrete	north center section	one (1) sample collected. OH HOLD - assumed post 1980's installation.	210127.C56.1.115-0812	ON HOLD														
C57	Grout	1" x 2" Tile	associated with ceramic wall tile 1" x 2" green/blue		Multiple	2	72	sqft				Not mastic	ND																			
C57	Grout	1" x 2" Tile	associated with ceramic wall tile 1" x 2" green/blue		1	Hallway	36	sqft	at water fountain	5257																						
C57	Grout	1" x 2" Tile	associated with ceramic wall tile 1" x 2" green/blue		2	Hallway	36	sqft	at water fountain	5257																						
C58	Adhesive	1" x 2" Tile Adhesive	associated with C57		Multiple	2	72	sqft					Trace <1% Mortar bed only, not Adhesive																		TBD	
C58	Adhesive	1" x 2" Tile Adhesive	associated with C57		1	Hallway	36	sqft	at water fountain	5257						VOID - no adhesive observed. mortar bed only.	VOID - See Photo #114-0752															
C58	Adhesive	1" x 2" Tile Adhesive	associated with C57		2	Hallway	36	sqft	at water fountain	5257						VOID - no adhesive observed. mortar bed only.	VOID - See Photo #116-0854															
C59	Mastic	Carpet Mastic	associated with carpet squares		1	1	524	sqft					ND																		PCB Bulk Product	
C59	Mastic	Carpet Mastic	associated with carpet squares		1	West Stairs	524	sqft	throughout	5265				unpainted concrete	north section, west cornernorth section, bottom of stairsnorth center	three (3) samples collected. thin yellow mastic and carpet backing inseparable.	210127.C59.115-0773	54	Aroclor-1254 [2]Aroclor-1254 [2]Aroclor-1254 [2]													
C59	Mastic	Carpet Mastic	associated with carpet squares		1	West Stairs	524	sqft	throughout	5265				unpainted concrete	north section, west cornernorth section, bottom of stairsnorth center	three (3) samples collected. thin yellow mastic and carpet backing inseparable.	210127.C59.115-0774	180	Aroclor-1254 [2]Aroclor-1254 [2]Aroclor-1254 [2]	210323.C59.129-1172 2.3 Aroclor-1254 [2]	210323.C59.129-1173 ND											
C59	Mastic	Carpet Mastic	associated with carpet squares		1	West Stairs	524	sqft	throughout	5265				unpainted concrete	north section, west cornernorth section, bottom of stairsnorth center	three (3) samples collected. thin yellow mastic and carpet backing inseparable.	210127.C59.115-0775	14	Aroclor-1254 [2]Aroclor-1254 [2]Aroclor-1254 [2]													
C60	Grout	4" Tile	associated with ceramic wall tile4" blue		Multiple	3	429	sqft				Not mastic	ND																			
C60	Grout	4" Tile	associated with ceramic wall tile4" blue		1	101	72	sqft	north wall	5263																						
C60	Grout	4" Tile	associated with ceramic wall tile4" blue		1	West Stairs	279	sqft		5263																						
C60	Grout	4" Tile	associated with ceramic wall tile4" blue		2	West Stairs	78	sqft		5263																						
C61	Adhesive	4" Tile Adhesive	associated with C60		Multiple	3	429	sqft					Trace <1% Mortar bed only, not Adhesive																		TBD	
C61	Adhesive	4" Tile Adhesive	associated with C60		1	101	72	sqft	north wall	5263						VOID - no adhesive observed. mortar bed only.	VOID - See Photo #114-0727															
C61	Adhesive	4" Tile Adhesive	associated with C60		1	West Stairs	279	sqft		5263						VOID - no adhesive observed. mortar bed only.	VOID - See Photo #115-0776															
C61	Adhesive	4" Tile Adhesive	associated with C60		2	West Stairs	78	sqft		5263						VOID - not adhesive observed. Mortar bed only.	VOID															
C62	Window Glazing	Window Glazing	associated with reinforced glass at doors		Multiple	3	-	sqft				Previously Sampled - PCB C62A 8.2 ppm, asbestos	5% Chrysotile																			
C62	Window Glazing	Window Glazing	associated with reinforced glass at doors		1	Hallway	-	sqft		5255/5311																						
C62	Window Glazing	Window Glazing	associated with reinforced glass at doors		2	Hallway	-	sqft		5255/5311																						
C62	Window Glazing	Window Glazing	associated with reinforced glass at doors		1	West Stairs	-	sqft		5255/5311																						
C63	Window Caulking	Window Caulking	associated with window infill	tan	1	1	-	sqft					5% Chrysotile																		PCB Bulk Product	
C63	Window Caulking	Window Caulking	associated with window infill	tan	1	West Stairs	-	sqft		5267				unpainted metal to painted metal	window infill at north wall	two (2) sample collected. Paint inseparable.	210127.C63.115-0779	38	Aroclor-1248 [2], Aroclor-1254 [1]Aroclor-1248 [1], Aroclor-1254 [1]													
C63	Window Caulking	Window Caulking	associated with window infill	tan	1	West Stairs	-	sqft		5267				unpainted metal to painted metal	window infill at north wall	two (2) sample collected. Paint inseparable.	210127.C63.115-0780	92	Aroclor-1248 [2], Aroclor-1254 [1]Aroclor-1248 [1], Aroclor-1254 [1]													
C64	Door/Window Caulking	Door/Window Caulking	metal casing to brick wall		Multiple	4	-	sqft				Previously Sampled - PCB C64 (A - 14.1 ppm) (B - 10.6 ppm)	ND																			
C64	Door/Window Caulking	Door/Window Caulking	metal casing to brick wall		1	101	-	sqft		5282																						
C64	Door/Window Caulking	Door/Window Caulking	metal casing to brick wall		2	200	-	sqft		5282																						
C64	Door/Window Caulking	Door/Window Caulking	metal casing to brick wall		1	West Stairs	-	sqft		5282																						
C64	Door/Window Caulking	Door/Window Caulking	metal casing to brick wall		2	West Stairs	-	sqft		5282																						
C65	Stair Tread Material	Stair Tread Material	blue with raised circles		1	1	160	sqft				Only test mastic for PCBs at this time.	ND																			
C65	Stair Tread Material	Stair Tread Material	blue with raised circles		1	West Stairs	160	sqft		5266																						
C66	Mastic	Stair Tread Adhesive	associated with C65 & C68		1	1	160	sqft					ND																		PCB Bulk Product	
C66	Mastic	Stair Tread Adhesive	associated with C65 & C68		1	West Stairs	160	sqft		5266				unpainted concrete	1st tread above 1st floor1st tread at top of stairs	two (2) samples collected. yellow over residual black mastic. layers inseparable.	210127.C66.115-0777	110	Aroclor-1248 [2] Aroclor-1248 [2]													
C66	Mastic	Stair Tread Adhesive	associated with C65 & C68		1	West Stairs	160	sqft		5266				unpainted concrete	1st tread above 1st floor1st tread at top of stairs	two (2) samples collected. yellow over residual black mastic. layers inseparable.	210127.C66.115-0781	12	Aroclor-1248 [2] Aroclor-1248 [2]													
C66	Mastic	Stair Tread Adhesive	associated with C65 & C68		1	West Stairs	160	sqft		5266				unpainted concrete	1st tread at top of stairs	one (1) duplicate sample collected. yellow over residual black mastic. layers inseparable.	210127.C66.115-0782	220	Aroclor-1248 [2]	210323.C66.129-1174 2.6 Aroclor-1242 [1], Aroclor-1254 [2]	210323.C66.129-1175 0.4 Aroclor-1242 [2], Aroclor-1254 [1]											
C67	Stair Riser Material	6" Covebase	6" Covebase blue		1	1	160	sqft				Only test mastic for PCBs at this time.	ND																		-	
C67	Stair Riser Material	6" Covebase	6" Covebase blue		1	West Stairs	160	sqft		5266																					-	
C67.1	Mastic	6" Covebase Adhesive	associated with C67		1	1	160	sqft					ND																		Potentially Excluded PCB Product	
C67.1	Mastic	6" Covebase Adhesive	associated with C67		1	West Stairs	160	sqft		5266				painted metal	2nd riser above 1st floor1st riser at top of stairs	two (2) samples collected. beige adhesive and paint inseparable.	210127.C67.1.115-0778	13.1	Aroclor-1248 [2], Aroclor-1254 [1]Aroclor-1248 [1], Aroclor-1254 [2]													
C67.1	Mastic	6" Covebase Adhesive	associated with C67		1	West Stairs	160	sqft		5266				painted metal	2nd riser above 1st floor1st riser at top of stairs	two (2) samples collected. beige adhesive and paint inseparable.	210127.C67.1.115-0783	19.9	Aroclor-1248 [2], Aroclor-1254 [1]Aroclor-1248 [1], Aroclor-1254 [2]													
C68	Stair Landing Material	Stair Landing Material	tan with raised circles		1	1	48	sqft				Only test mastic for PCBs at this time.	ND																		-	
C68	Stair Landing Material	Stair Landing Material	tan with raised circles		1	West Stairs	48	sqft		5266																					-	
C69	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 3		2	2	-	sqft				TBD	ND																		-	
C69	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 3		2	200	-	sqft																							-	
C69	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 3		2	West Stairs	-	sqft																							-	
C70	Joint Compound	Joint Compound	Newer, Type 3		2	2	-	sqft				TBD	ND																		-	
C70	Joint Compound	Joint Compound	Newer, Type 3		2	200	-	sqft																							-	
C70	Joint Compound	Joint Compound	Newer, Type 3		2	West Stairs	-	sqft																							-	
C72	Vinyl Floor Tile	12" Tile	12" x 12" white with tan and black specks		2	1	384	sqft				Only test mastic for PCBs at this time.	ND																		-	
C72	Vinyl Floor Tile	12" Tile	12" x 12" white with tan and black specks		2	West Stairs	384	sqft		5273																					-	
C73	Vinyl Floor Tile	12" Tile	12" x 12" blue with gray, black and white specks		2	1	384	sqft				Only test mastic for PCBs at this time.	ND																		-	
C73	Vinyl Floor Tile	12" Tile	12" x 12" blue with gray, black and white specks		2	West Stairs	384	sqft		5274																					-	
C74	Mastic	12" Tile Mastic	associated with C72 & C73		2	1	768	sqft					ND																		TBD	
C74	Mastic	12" Tile Mastic	associated with C72 & C73		2	West Stairs	768	sqft		5273/5274				unpainted concrete	center section south section north section	three (3) samples collected. ON HOLD - assumed post 1980s installation.	210128.C74.116-0855210128.C74.116-	ON HOLD														
C75	Window Caulking	Window Caulking	metal casing to glass pane	brown	2	1	-	sqft				Previously Sampled - PCBC75A 3.5 ppm	ND																			
C75	Window Caulking	Window Caulking	metal casing to glass pane	brown	2	West Stairs	-	sqft																								
C76	Covebase	4" Covebase	4" brown		1	1	16	sqft				Only test mastic for PCBs at this time.	ND																			
C76	Covebase	4" Covebase	4" brown		1	East Stairs	16	sqft	Mid landing and 2nd floor	5219																						
C77	Adhesive	4" Covebase Adhesive	associated with C76		1	1	16	sqft				Limited Material	ND																		PCB Bulk Product	
C77	Adhesive	4" Covebase Adhesive	associated with C76		1	East Stairs	16	sqft	Mid landing and 2nd floor	5219				unpainted wood	north wall, at middle landing	two (2) sample collected.	210127.C77.115-0802	630	Aroclor-1242 [1]Aroclor-1242 [1]													
C77	Adhesive	4" Covebase Adhesive	associated with C76		1	East Stairs	16	sqft	Mid landing and 2nd floor	5219				unpainted wood	north wall, at middle landing	two (2) sample collected.	210127.C77.115-0803	1900	Aroclor-1242 [1]Aroclor-1242 [1]					210322.C77.128-1157 23 Aroclor-1232 [2]	-							
C78	Grout	Grout	associated with ceramic wall tile1" x 2" brown and white		1	1	522	sqft				Not mastic	ND																			
C78	Grout	Grout	associated with ceramic wall tile1" x 2" brown and white		1	East Stairs	522	sqft	throughout	5217																						
C79	Mortar/Adhesive	Mortar/Adhesive	associated with C78		1	1	522	sqft				Not adhesive	Trace <1% Mortar bed only, no adhesive																			
C79	Mortar/Adhesive	Mortar/Adhesive	associated with C78		1	East Stairs	522	sqft	throughout	5217																						
C80	Vinyl Floor Tile	12" Tile	12" x 12" cream with brown and white streaks		1	1	132	sqft				Only test mastic for PCBs at this time.	ND in Bldg. C Positive in other Bldgs. ACM >1%																			
C80	Vinyl Floor Tile	12" Tile	12" x 12" cream with brown and white streaks		1	East Stairs	132	sqft	Mid landing and 2nd floor	5220																						
C81	Mastic	12" Tile Mastic	associated with C80		1	1	132	sqft					6% Chrysotile																		PCB Bulk Product	
C81	Mastic	12" Tile Mastic	associated with C80	black	1	East Stairs	132	sqft	Mid landing and 2nd floor	5220				unpainted concrete	middle landing, northeast corner2nd floor, south center section	two (2) samples collected.	210127.C81.115-0804	190	Aroclor-1248 [1]Aroclor-1248 [1]													
C81	Mastic	12" Tile Mastic	associated with C80	black	1	East Stairs	132	sqft	Mid landing and 2nd floor	5220				unpainted concrete	middle landing, northeast corner2nd floor, south center section	two (2) samples collected.	210127.C81.115-0806	190	Aroclor-1248 [1]Aroclor-1248 [1]													
C81	Mastic	12" Tile Mastic	associated with C80	black	1	East Stairs	132	sqft	Mid landing and 2nd floor	5220				unpainted concrete	middle landing, northeast corner	one (1) duplicate sample collected.	210127.C81.115-0805	320	Aroclor-1248 [1]	210322.C81.128-1155 ND	210322.C81.128-1156 NA											
C82	Stair Tread Material	Stair Tread Material	tan raised horizontal lines		1	1	78	sqft				C82A	ND																			
C82	Stair Tread Material	Stair Tread Material	tan raised horizontal lines		1	East Stairs	78	sqft	throughout	5218																						
C83	Adhesive	Stair Tread Adhesive	associated with C82		1	1	78	sqft				C83A	ND in Bldg. C Positive in other Bldgs. ACM >1%																		PCB Bulk Product	
C83	Adhesive	Stair Tread Adhesive	associated with C82		1	East Stairs	78	sqft	throughout	5218				unpainted concrete	2nd tread above 1st floor	two (2) samples collected. black over residual brown adhesive.	210127.C83.115-0799	1200	Aroclor-1248 [1]Aroclor-1248 [1]													
C83	Adhesive	Stair Tread Adhesive	associated with C82		1	East Stairs	78	sqft	throughout	5218				unpainted concrete	2nd tread above 1st floor	two (2) samples collected. black over residual brown adhesive.	210127.C83.115-0800	1000	Aroclor-1248 [1]Aroclor-1248 [1]													
C83	Adhesive	Stair Tread Adhesive	associated with C82		1	East Stairs	78	sqft	throughout	5218				unpainted concrete	2nd tread above 1st floor	one (1) duplicate sample collected. black over residual brown adhesive.	210127.C83.115-0801	2300	Aroclor-1248 [1]	210323.C83.129-1158 7.8 Aroclor-1242 [1]	210323.C83.129-1159 0.83 Aroclor-1242 [1]											
C84	Vinyl Floor Tile	9" Tile	9" x 9" red with black and white streaks		2	2	1266	sqft				Only test mastic for PCBs at this time.	10% Chrysotile																			
C84	Vinyl Floor Tile	9" Tile	9" x 9" red with black and white streaks		2	203	569	sqft	throughout	5337																						
C84	Vinyl Floor Tile	9" Tile	9" x 9" red with black and white streaks		2	205	697	sqft	throughout	5337	86																					
C85	Mastic	9" Tile Mastic	associated with C84		2	2	1963	sqft					ND																		PCB Bulk Product	
C85	Mastic	9" Tile Mastic	associated with C84		2	203	569	sqft	throughout	5337				unpainted concrete	south center section	one (1) sample collected.	210128.C85.116-0841	1600	Aroclor-1254 [2]													

Building C - Bulk and Substrate Material Sampling Summary

Homogeneous Material	Material Type	Material Category	MaterialDescription	Color	Floor	Room Number	Approximate Quantity	Units	Location of Material	Photo Number	Air Sampling 9/20 (ng/m3)	Comments	Asbestos Results %	SubstratePainted?Y/N	Specific Sample Location	ATC Comments	Sample ID Number (Date.H#.Photo ID #)	Total PCB Aroclor Results (ppm)	Analytes	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ATC Comments	Waste Category	Legend
C85	Mastic	9" Tile Mastic	associated with C84		2	203	569	sqft	throughout	5337				unpainted concrete	south center section	one (1) duplicate sample collected.	210128.C85.116-0842	4300	Aroclor-1254 [2]													
C85	Mastic	9" Tile Mastic	associated with C84		2	205	697	sqft	throughout	5337	86			unpainted concrete	southwest sectionsoutheast section	two (2) samples collected.	210127.C85.115-0816	6400	Aroclor-1254 [2]Aroclor-1254 [2]													
C85	Mastic	9" Tile Mastic	associated with C84		2	205	697	sqft	throughout	5337	86			unpainted concrete	southwest sectionsoutheast section	two (2) samples collected.	210127.C85.115-0817	10000	Aroclor-1254 [2]Aroclor-1254 [2]	210322.C85.128-1136 5.6 Aroclor-1254 [2]	210322.C85.128-1137 ND											
C86	Covebase	4" Covebase	4" black (older)		2	11	334	sqft				Only test mastic for PCBs at this time.	ND																			
C86	Covebase	4" Covebase	4" black (older)		2	201	11	sqft	throughout	5183																						
C86	Covebase	4" Covebase	4" black (older)		2	201A	13	sqft	throughout	5183																						
C86	Covebase	4" Covebase	4" black (older)		2	202	34	sqft	throughout	5183																						
C86	Covebase	4" Covebase	4" black (older)		2	203	35	sqft	throughout	5183																						
C86	Covebase	4" Covebase	4" black (older)		2	204	34	sqft	throughout	5183																						
C86	Covebase	4" Covebase	4" black (older)		2	205	35	sqft	throughout	5183	86																					
C86	Covebase	4" Covebase	4" black (older)		2	206	34	sqft	throughout	5183																						
C86	Covebase	4" Covebase	4" black (older)		2	207	35	sqft	throughout	5183																						
C86	Covebase	4" Covebase	4" black (older)		2	208	34	sqft	throughout	5183	78																					
C86	Covebase	4" Covebase	4" black (older)		2	209	35	sqft	throughout	5183																						
C86	Covebase	4" Covebase	4" black (older)		2	210	34	sqft	throughout	5183																						
C87	Adhesive	4" Covebase Adhesive	associated with C86		2	11	334	sqft					ND																		PCB Bulk Product	
C87	Adhesive	4" Covebase Adhesive	associated with C86		2	201	11	sqft	throughout	5183																						
C87	Adhesive	4" Covebase Adhesive	associated with C86		2	201A	13	sqft	throughout	5183																						
C87	Adhesive	4" Covebase Adhesive	associated with C86		2	202	34	sqft	throughout	5183																						
C87	Adhesive	4" Covebase Adhesive	associated with C86		2	203	35	sqft	throughout	5183				painted CMU	north wall, east end	one (1) sample collected.	210128.C87.116-0843	66	Aroclor-1248 [2], Aroclor-1254 [2]													
C87	Adhesive	4" Covebase Adhesive	associated with C86		2	204	34	sqft	throughout	5183																						
C87	Adhesive	4" Covebase Adhesive	associated with C86	dark brown	2	205	35	sqft	throughout	5183	86			unpainted CMU	north wall, east section	one (1) sample collected.	210127.C87.115-0818	76	Aroclor-1242 [2], Aroclor-1254 [2]			210322.C87.128-1142 ND	-			-	Not Sampled	210322.C87.128-1138 0.64 Aroclor-1254 [1]	210322.C87.128-1139 NA	GWB assumed bheind plaster		
C87	Adhesive	4" Covebase Adhesive	associated with C86		2	206	34	sqft	throughout	5183																						
C87	Adhesive	4" Covebase Adhesive	associated with C86		2	207	35	sqft	throughout	5183																						
C87	Adhesive	4" Covebase Adhesive	associated with C86		2	208	34	sqft	throughout	5183	78			unpainted metal	door sidelight at north wall	one (1) sample collected.	210127.C87.115-0832	47	Aroclor-1242 [2], Aroclor-1254 [1]													
C87	Adhesive	4" Covebase Adhesive	associated with C86		2	209	35	sqft	throughout	5183																						
C87	Adhesive	4" Covebase Adhesive	associated with C86		2	210	34	sqft	throughout	5183																						
C88	Grout	Grout	associated with ceramic floor tile 1" (original)		1	3	496	sqft				Not mastic	ND																			
C88	Grout	Grout	associated with ceramic floor tile 1" (original)		1	103Boy's Bath	214	sqft	assumed under newer C49 & C50	5243																						
C88	Grout	Grout	associated with ceramic floor tile 1" (original)		1	109Girl's Bath	194	sqft	assumed under newer C49 & C50	5243																						
C88	Grout	Grout	associated with ceramic floor tile 1" (original)		1	113BBathroom	88	sqft	throughout	5243																						
C89	Mortar/Adhesive	Mortar/Adhesive	associated with ceramic floor tile 1" (original)		1	3	496	sqft				Not mastic	ND																			
C89	Mortar/Adhesive	Mortar/Adhesive	associated with ceramic floor tile 1" (original)		1	103Boy's Bath	214	sqft	assumed under newer C49 & C50	5243																						
C89	Mortar/Adhesive	Mortar/Adhesive	associated with ceramic floor tile 1" (original)		1	109Girl's Bath	194	sqft	assumed under newer C49 & C50	5243						VOID - no adhesive observed. mortar bed only	VOID - See Photo #115-0798															
C89	Mortar/Adhesive	Mortar/Adhesive	associated with ceramic floor tile 1" (original)		1	113BBathroom	88	sqft	throughout	5243																						
C90	Covebase	4" Covebase	4" black (newer)		1	1	35	sqft				Only test mastic for PCBs at this time.	ND																			
C90	Covebase	4" Covebase	4" black (newer)		1	112	35	sqft	throughout	-																						
C91	Adhesive	4" Covebase Adhesive	associated with C91		1	1	35	sqft					ND																		Potentially Excluded PCB Product	
C91	Adhesive	4" Covebase Adhesive	associated with C91		1	112	35	sqft	throughout	-				painted CMU	south wall, west section	two (2) samples collected. beige over dark brown adhesive. Layers inseparable.	210126.C91.114-0766	11.9	Aroclor-1248 [1], Aroclor-1254 [1]Aroclor-1248 [1], Aroclor-1254 [2]			210323.C91.129-1164 ND	-			-	Not Sampled	210323.C91.129-1162 ND	210323.C90.129-1163 NA	GWB assumed behind plaster		
C91	Adhesive	4" Covebase Adhesive	associated with C91		1	112	35	sqft	throughout	-				painted CMU	south wall, west section	two (2) samples collected. beige over dark brown adhesive. Layers inseparable.	210126.C91.114-0767	11.4	Aroclor-1248 [1], Aroclor-1254 [1]Aroclor-1248 [1], Aroclor-1254 [2]													
C92	Gypsum Wall Board	Gypsum Wall Board	Folding Divider Wall		2	4	-	sqft				TBD	ND																			
C92	Gypsum Wall Board	Gypsum Wall Board	Folding Divider Wall		2	203	-	sqft																								
C92	Gypsum Wall Board	Gypsum Wall Board	Folding Divider Wall		2	205	-	sqft			86																					
C92	Gypsum Wall Board	Gypsum Wall Board	Folding Divider Wall		2	207	-	sqft																								
C92	Gypsum Wall Board	Gypsum Wall Board	Folding Divider Wall		2	209	-	sqft																								
C93	Wall Paper	Wall Paper	associated with C92		2	4	-	sqft					ND																			
C93	Wall Paper	Wall Paper	associated with C92		2	203	-	sqft																								
C93	Wall Paper	Wall Paper	associated with C92		2	205	-	sqft			86																					
C93	Wall Paper	Wall Paper	associated with C92		2	207	-	sqft																								
C93	Wall Paper	Wall Paper	associated with C92		2	209	-	sqft																								
C94	Window Caulking	Window Caulking	Glass Pane to Metal Casing	Brown	2	1	-	sqft				Previously Sampled - PCBC94A 4.1 ppm	ND																			
C94	Window Caulking	Window Caulking	Glass Pane to Metal Casing	Brown	2	West Stairs	-	sqft		5282																						
C95	Window Glazing	Window Glazing	associated with large windows - older		Multiple	3	-	sqft				Not Previously sampled	2% Chrysotile same as exterior																		PCB Bulk Product	
C95	Window Glazing	Window Glazing	associated with large windows - older		1	101	-	sqft	same as exterior - previously sampled	5281				painted metal sash to glass	south wall, west window	one (1) sample collected. Painted. Paint inseparable.	210126.C95.114-0728	16.7	Aroclor-1248[2], Aroclor-1254[2]													
C95	Window Glazing	Window Glazing	associated with large window - older		2	200	-	sqft	same as exterior - previously sampled	5281				painted metal to window infill	northwest window corner	one (1) sample collected. Sample collected from the window caulking (C63 - Photo #5267) associated with the window infill, not the window glazing. See Photo #5286 (Room C200 window).	210128.C95.116-0840	71	Aroclor-1248 [2], Aroclor-1254 [2]													
C95	Window Glazing	Window Glazing	associated with large window - older		2	West Stairs	-	sqft	same as exterior - previously sampled	5281				painted metal to glass pane	south wall, east window	one (1) sample collected.	210128.C95.116-0858	9.9	Aroclor-1242 [2], Aroclor-1254 [1]													
C96	Window Caulking	Window Caulking	associated with infill at door sidelight		1	1	-	sqft				Previously Sampled – PCB 96A 11.72 ppm	ND																			
C96	Window Caulking	Window Caulking	associated with infill at door sidelight		1	West Stairs		sqft	door at north wall	5269																						
C2000	Carpet Adhesive	Carpet Mastic	associated with gray rolled carpet		1	1	88	sqft					ND																		Potentially Excluded PCB Product	
C2000	Carpet Adhesive	Carpet Mastic	associated with gray rolled carpet	yellow	1	101	88	sqft		5280				Vinyl Floor Tile (C16)	southwest corner south west section	two (2) samples collected.	210126.C2000.114-0729	17.2	Aroclor-1242[2], Aroclor-1254[2]Aroclor-1242[2], Aroclor-													
C2000	Carpet Adhesive	Carpet Mastic	associated with gray rolled carpet	yellow	1	101	88	sqft		5280				Vinyl Floor Tile (C16)	southwest corner south west section	two (2) samples collected.	210126.C2000.114-0730	11.9	Aroclor-1242[2], Aroclor-1254[2]Aroclor-1242[2], Aroclor-													
C2001	Caulking Material	Caulking Material	CMU to Plaster Wall		Multiple	18	111	lnft					2% Chrysotile																		PCB Bulk Product	
C2001	Caulking Material	Caulking Material	CMU to Plaster wall		2	206	6	lnft	southeast and southwest corners																							
C2001	Caulking Material	Caulking Material	CMU to Plaster Wall		1	104	6	lnft																								
C2001	Caulking Material	Caulking Material	CMU to Plaster Wall		1	106	6	lnft																								
C2001	Caulking Material	Caulking Material	CMU to Plaster Wall		1	108	6	lnft		5204																						
C2001	Caulking Material	Caulking Material	CMU to Plaster Wall		1	112	6	lnft																								
C2001	Caulking Material	Caulking Material	CMU to Plaster wall		2	202	6	lnft	southeast and southwest corners																							
C2001	Caulking Material	Caulking Material	CMU to Plaster Wall		2	203	9	lnft	northeast & northwest corners																							
C2001	Caulking Material	Caulking Material	CMU to Plaster wall		2	204	6	lnft	southeast and southwest corners																							
C2001	Caulking Material	Caulking Material	CMU to Plaster Wall		2	207	6	lnft	northeast & northwest corners																							
C2001	Caulking Material	Caulking Material	CMU to Plaster Wall		2	209	6	lnft	northeast & northwest corners																							
C2001	Caulking Material	Caulking Material	CMU to Plaster wall		2	210	6	lnft	southeast and southwest corners																							
C2001	Caulking Material	Caulking Material	CMU to Plaster wall		2	212	6	lnft	southeast and southwest corners																							
C2001	Caulking Material	Caulking Material	CMU to Plaster Wall		2	213	6	lnft	northeast & northwest corners																							
C2001	Caulking Material	Caulking Material	CMU to Plaster Wall		1	102	6	lnft	southwest and southeast corners		130			painted CMU to painted plaster	southwest corner	one (1) sample collected. Painted. Paint inseparable.	210126.C2001.114-0738	39	Aroclor-1248 [1], Aroclor-1254 [2]													
C2001	Caulking Material	Caulking Material	CMU to Plaster Wall		1	110	6	lnft			130			painted CMU to painted plaster	southwest corner	one (1) sample collected. Painted. Paint inseparable.	210126.C2001.114-0759	36	Aroclor 1248 [1], Aroclor-1254 [1]													
C2001	Caulking Material	Caulking Material	CMU to Plaster Wall		2	205	6	lnft	northeast & northwest corners		86			painted CMU to painted plaster	northeast corner	one (1) sample collected. paint inseparable.	210127.C2001.115-0819	37	Aroclor-1242 [2], Aroclor-1254 [1]													
C2001	Caulking Material	Caulking Material	CMU to Plaster wall		2	208	6	lnft	southeast and southwest corners		78			painted CMU to painted plaster	southwest corner	one (1) sample collected. paint inseparable.	210127.C2001.115-0834	40	Aroclor-1242 [1], Aroclor-1254 [1]													
C2001	Caulking Material	Caulking Material	CMU to Plaster Wall		2	211	6	lnft	northeast & northwest corners		60			painted CMU to painted plaster	northeast corner	one (1) sample collected. Paint inseparable.	210128.C2001.116-0848	51	Aroclor-1248 [2], Aroclor-1254 [2]			210322.C2001.128-1149 5.3 Aroclor-1248 [2], Aroclor-1254 [1]	210322.C2001.128-1150 7.6 Aroclor-1248 [1], Aroclor-1254 [2]					210322.C2001.128-1147 3.4 Aroclor-1248 [1], Aroclor-1254 [2]	210322.C2001.128-1148 4.0 Aroclor-1248 [2], Aroclor-1254 [1]	samples collected at measured distance from bulk material, not depth		
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards		Multiple	2	-	sqft					2% Anthophyllite																		Potentially Excluded PCB Product	
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards		1	104	-	sqft																								
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards		1	106	-	sqft																								
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards		1	108	-	sqft																								
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards		1	112	-	sqft																								
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards		1	113A	-	sqft																								
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards		2	202	-	sqft																								
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards		2	203	-	sqft																								
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards		2	204	-	sqft																								
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards		2	206	-	sqft																								
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards		2	207	-	sqft																								
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards		2	209	-	sqft																								
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards		2	210	-	sqft																								
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards		2	212	-	sqft																								
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards	dark brown	1	102	-	sqft		5187	130			unpainted plaster	west wall, north section	one (1) sample collected.	210126.C2002.114-0739	11	Aroclor-1242 [2]													
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards		1	110	-	sqft			130	Analytical report "210126.C2003.114-0760"		unpainted plaster	west wall north section	one (1) sample collected.	210126.C2002.114-0760	3.7	Aroclor-1242 [1]													
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards		1	113	-	sqft			95					VOID - no adhesive observed with bulletin boards. no chalkboard in room.	VOID - See Photo #115-0795															
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards	dark brown	2	205	-	sqft			86			unpainted plaster	east wall, north section	one (1) sample collected.	210127.C2002.115-0820	1.9	Aroclor-1242 [2]													
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards	dark brown	2	208	-	sqft			78			unpainted plaster	west wall north section	one (1) sample collected.	210127.C2002.115-0835	5	Aroclor-1242 [1]													
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards	dark brown	2	208	-	sqft			78			unpainted plaster	west wall north section	one (1) duplicate sample collected.	210127.C2002.115-0836	3.3	Aroclor-1242 [2]													
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards		2	211	-	sqft			60			unpainted plaster	east wall, south section	one (1) sample collected.	210128.C2002.116-0849	2.6	Aroclor-1242 [1]													
C2002	Adhesive	Bulletin Board/ Chalkboard Adhesive	associated with bulletin boards/chalkboards		2	211	-	sqft			60			unpainted plaster	east wall, south section	one (1) duplicate sample collected.	210128.C2002.116-0850	2.9	Aroclor-1242 [2]													
C2003	Window Glazing	Window Glazing	associated with upper metal sash		Multiple	20	-	sqft				Not previously sampled	ND in Bldg. C Positive is other Bldgs. ACM >1%																		PCB Bulk Product	
C2003	Window Glazing	Window Glazing	associated with upper metal sash		1	104	-	sqft																								
C2003	Window Glazing	Window Glazing	associated with upper metal sash		1	106	-	sqft																								
C2003	Window Glazing	Window Glazing	associated with upper metal sash		1	108	-	sqft																								
C2003	Window Glazing	Window Glazing	associated with upper metal sash		1	112	-	sqft		5213																						
C2003	Window Glazing	Window Glazing	associated with upper metal sash		1	113B	-	sqft																								
C2003	Window Glazing	Window Glazing	associated with upper metal sash		2	202	-	sqft																								
C2003	Window Glazing	Window Glazing	associated with upper metal sash		2	203	-	sqft																								
C2003	Window Glazing	Window Glazing	associated with upper metal sash		2	204	-	sqft																								
C2003	Window Glazing	Window Glazing	associated with upper metal sash		2	206	-	sqft																								
C2003	Window Glazing	Window Glazing	associated with upper metal sash		2	209	-	sqft																								
C2003	Window Glazing	Window Glazing	associated with upper metal sash		2	210	-	sqft																								
C2003	Window Glazing	Window Glazing	associated with upper metal sash		2	213	-	sqft																								
C2003	Window Glazing	Window Glazing	associated with upper metal sash		1	102	-	sqft			130			painted metal to glass pane	south wall, west upper sash	one (1) sample collected. Painted. Paint inseparable.	210126.C2003.114-0740	10	Aroclor-1254 [2]													
C2003	Window Glazing	Window Glazing	associated with upper metal sash		1	110	-	sqft			130			painted metal to glass pane	south wall, west upper sash	one (1) sample collected. Painted. Paint inseparable.	210126.C2003.114-0761	37.5	Aroclor-1242 [1], Aroclor-1254 [1]													
C2003	Window Glazing	Window Glazing	associated with upper metal sash		1	113	-	sqft			95					VOID - newer window sashes installed. C2003 Window Glazing material not present in room. Collected in Room C207, because material not present in Room C113.	VOID - See Photo #115-0796															
C2003	Window Glazing	Window Glazing	associated with upper metal sash		2	205	-	sqft			86			painted metal to glass pane	north wall, east upper window sash	one (1) sample collected. gray malleable, patch. not original glazing.	210127.C2003.115-0821	102	Aroclor-1242 [2], Aroclor-1254 [2]													
C2003	Window Glazing	Window Glazing	associated with upper metal sash		2	207	-	sqft						painted metal to glass pane	north wall, east upper window	one (1) sample collected. Collected in Room C207, because material not present in Room C113.	210128.C2003.116-0853	18.8	Aroclor-1248 [1], Aroclor-1254 [2]													
C2003	Window Glazing	Window Glazing	associated with upper metal sash		2	208	-	sqft			78			painted metal to glass pane	south wall, east upper window	one (1) sample collected.	210127.C2003.115-0837	59	Aroclor-1248 [2], Aroclor-1254 [1]													
C2003	Window Glazing	Window Glazing	associated with upper metal sash		2	211	-	sqft			60			painted metal to glass pane	north wall, east upper window	one (1) sample collected.	210128.C2003.116-0851	23	Aroclor-1248 [1], Aroclor-1254 [2]													
C2003	Window Glazing	Window Glazing	associated with upper metal sash		2	212	-	sqft																								

Building C - Bulk and Substrate Material Sampling Summary

Sample/Homogenous Material	Material Type	Material Category	Material/Description	Color	Floor	Room Number	Approximate Quantity	Units	Location of Material	Photo Number	Air Sampling SUM RECNO	Comments	Asbestos Results %	Substrate/Context (Y/N)	Specific Sample Location	ACC Comments	Sample ID Number (Data Sit Photo #'s)	Vinyl PCB Aroclor Results (ppm)	Analytes	Substrate 0-1/2" Depth Sample ID and Results	Substrate 0.5 - 1" Depth Sample ID and Results	Substrate 0.5 - 1" Depth Sample ID and Results	Substrate 0.5 - 1" Depth Sample ID and Results	Substrate 0.5 - 1" Depth Sample ID and Results	Substrate 0.5 - 1" Depth Sample ID and Results	Substrate 0.5 - 1" Depth Sample ID and Results	Substrate 0.5 - 1" Depth Sample ID and Results	Substrate 0.5 - 1" Depth Sample ID and Results	Substrate 0.5 - 1" Depth Sample ID and Results	ACC Comments	Waste Category	Legend
C204	Chalkboard Material	Chalkboard Material	Chalkboard Material		Multiple	10	-	sqft					VOID - material is metal																			
C205	Vinyl Floor Tile	12" Tile	12" x 12" white with green, gray & yellow(Large Patch)		1	1	80	sqft					NO																			
C244	Vinyl Floor Tile	12" Tile	12" x 12" white with green, gray & yellow(Large Patch)		1	104	80	sqft	large patch corner section																							
C206	Mastic	12" Tile Mastic	associated with C205		1	1	80	sqft					NO																		Potentially Excluded PCB Product	
C216	Mastic	12" Tile Mastic	associated with C21		1	104	80	sqft	large patch corner section						unpainted concrete	south center section		210129.C2006.114-0747	1	Aroclor-1254 [J]/Aroclor-1254 [J]	210323-C2006.129-1108 ND		210323 C2006.129-1109 ND								
C244	Mastic	12" Tile Mastic	associated with C21		1	104	80	sqft	large patch corner section						unpainted concrete	south center section	two (2) samples collected. Yellow mastic, floor leveling agent over residual black mastic. Layers inseparable.	210129.C2006.114-0748	0.94	Aroclor-1254 [J]/Aroclor-1254 [J]											
C207	Vinyl Floor Tile	12" Tile	12" x 12" white with grey (newer)		2	1	30	sqft					NO																			
C207	Vinyl Floor Tile	12" Tile	12" x 12" white with grey (newer)		2	204	30	sqft	porch																							
C208	Mastic	12" Tile Mastic	associated with Vinyl Floor Tile12" x 12" white with grey (newer)		2	1	30	sqft					NO																		PCB Bulk Product	
C208	Mastic	12" Tile Mastic	associated with Vinyl Floor Tile12" x 12" white with gray (newer)		2	204	30	sqft	porch			[See Photo #107-1864]			unpainted concrete	southeast corner	two (2) samples collected. yellow over residual black mastic. Layers inseparable.	210129.C2008.117-0863	28000	Aroclor-1254 [J]/Aroclor-1254 [J]											
C208	Mastic	12" Tile Mastic	associated with Vinyl Floor Tile12" x 12" white with gray (newer)		2	204	30	sqft	porch			[See Photo #107-1865]			unpainted concrete	southeast corner	two (2) samples collected. yellow over residual black mastic. Layers inseparable.	210129.C2008.117-0864	30000	Aroclor-1254 [J]/Aroclor-1254 [J]	210322 C2008.128-1143 0.1 Aroclor-1254[J]		210322 C2008.128-1144 ND								
C209	Vinyl Floor Tile	12" Tile	12" x 12" shades of gray (newer)		2	1	-	sqft					NO																			
C209	Vinyl Floor Tile	12" Tile	12" x 12" shades of gray (newer)		2	205	-	sqft	porch	5565						VOID - no sample collected. Sampled mastic only.	VOID														
C203	Mastic	12" Tile Mastic	associated with Vinyl Floor Tile 12" x 12" shades of gray (newer)		2	1	-	sqft					NO																		PCB Bulk Product	
C210	Mastic	12" Tile Mastic	associated with Vinyl Floor Tile 12" x 12" shades of gray (newer)		2	210		sqft	porch	5565					unpainted concrete	east center section	one (1) sample collected. yellow over residual black mastic	210129.C2010.117-0859	6400	Aroclor-1254 [J]/Aroclor-1254 [J]											
C210	Mastic	12" Tile Mastic	associated with Vinyl Floor Tile 12" x 12" shades of gray (newer)		2	210		sqft	porch	5565					unpainted concrete	east center section	one (1) sample collected. yellow over residual black mastic	210129.C2010.117-0860	10000	Aroclor-1254 [J]/Aroclor-1254 [J]	210327 C2010.129-1145 Analytical repeat 210330-C2010.1288-1145" 0.85 Aroclor-1254 [J]		210322 C2010.128-1146 NA										
C211	Adhesive	Adhesive	associated with backer		multiple	2	-	sqft					VOID																		TBD	
C211	Adhesive	Adhesive	associated with backer		1	Hallway	-	sqft		5253						VOID - no adhesive observed.	VOID														
C250	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black									NO																			
C250	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	101																										
C250	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	102									soil underneath concrete slab	east center section	one (1) sample collected	210702 C2050.137-1206	ND	-												
C250	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	103																										
C250	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	104																										
C250	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	105																										
C250	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	106																										
C250	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	107																										
C250	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	108																										
C250	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	110																										
C250	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	111																										
C250	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	112																										
C250	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	113									soil underneath concrete slab	center section near west wall	one (1) sample collected	210702 C2050.137-1207	ND	-												
C250	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	113A																										
C250	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	113B																										
C250	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	113B Bathroom																										
C250	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	113C																										
C250	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	115																										
C250	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	Hallway																										
C250	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	East Stairs																										
C250	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	West Stairs																										
C251	Vapor Barrier	Vapor Barrier	Vapor Barrier, behind brick exterior	black	Exterior	Exterior							NO																			
C252	Vapor Barrier	Vapor Barrier	Vapor Barrier, behind brick exterior	black	Exterior	Exterior									Brick, Concrete and Foam board insulation	north elevation, center section	one (1) sample collected	210702 C2051.137-1208	9.2	Aroclor-1242 [1]												
C253	Vapor Barrier	Vapor Barrier	Vapor Barrier, behind brick exterior	black	Exterior	Exterior									Brick, Concrete and Foam board insulation	north elevation, center section	one (1) sample collected	210702 C2051.137-1209	8.7	Aroclor-1242 [1]												

Building D - Bulk and Substrate Building Material Sampling Summary

Homogeneous Material	Material Type	MaterialCategory	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments	Asbestos Results %	Substrate Indicate if Painted or Unpainted	Specific Sample Location	ATC Comments	Sample ID Number (Date . H# . Photo ID #)	Total PCB Aroclor Results (ppm)	Waste Category
D05	Roof Deck Material	Roof Deck Material	Acoustical Roof Deck Material		2	12 Rooms	5888	sq. ft.	0					ND						
D05	Roof Deck Material	Roof Deck Material	Acoustical Roof Deck Material		2	200	753					140								
D05	Roof Deck Material	Roof Deck Material	Acoustical Roof Deck Material		2	201	1059													
D05	Roof Deck Material	Roof Deck Material	Acoustical Roof Deck Material		2	202	697													
D05	Roof Deck Material	Roof Deck Material	Acoustical Roof Deck Material		2	203	817					89								
D05	Roof Deck Material	Roof Deck Material	Acoustical Roof Deck Material		2	204	631													
D05	Roof Deck Material	Roof Deck Material	Acoustical Roof Deck Material		2	205	828													
D05	Roof Deck Material	Roof Deck Material	Acoustical Roof Deck Material		2	205A	110													
D05	Roof Deck Material	Roof Deck Material	Acoustical Roof Deck Material		2	205B	110													
D05	Roof Deck Material	Roof Deck Material	Acoustical Roof Deck Material		2	206	714					82								
D05	Roof Deck Material	Roof Deck Material	Acoustical Roof Deck Material		2	207	62													
D05	Roof Deck Material	Roof Deck Material	Acoustical Roof Deck Material		2	208A	57													
D05	Roof Deck Material	Roof Deck Material	Acoustical Roof Deck Material		2	208D	50													
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		Multiple	23 Rooms	4533	sq. ft.	12					ND						PCB Remedial Waste
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	102	1008	sq. ft.	1		500/524	150			suspended metal grid	east center section	one (1) sample collected.	210114.D08.107-0406	0.74	
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	102A	43	sq. ft.			500/524									
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	102B	146	sq. ft.	1		500/524				suspended metal grid	west center section	one (1) sample collected.	210114.D08.107-0410	3.6	
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	104	244	sq. ft.			500/524									
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	104A	153	sq. ft.			500/524									
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	104B	77	sq. ft.			500/524									
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	106	952	sq. ft.	1		500/524	300			suspended metal grid	northwest section	one (1) sample collected. "DS SAFETONE" printed on backside. See Photo #107-0415	210114.D08.107-0416	1.4	
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	108	44	sq. ft.			500/524									
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	109	40	sq. ft.			500/524									
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		1	Hallway	342	sq. ft.	1		500/524				suspended metal grid	east end, outside Room D109	one (1) sample collected.	210114.D08.107-0396	3.2	
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	200	38	sq. ft.	1		500/524	140			suspended metal grid	west center section	one (1) sample collected.	210115.D08.108-0437	2.1	
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	201	68	sq. ft.	1		500/524				suspended metal grid	south center section	one (1) sample collected.	210115.D08.108-0441	2.6	
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	202	38	sq. ft.			500/524									
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	203	38	sq. ft.	1		500/524	89			suspended metal grid	south center section	one (1) sample collected.	210115.D08.108-0448	0.89	
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	204B	48	sq. ft.			500/524									
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	205	38	sq. ft.			500/524									
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	206	48	sq. ft.	1		500/524	82			suspended metal grid	north center section	one (1) sample collected.	210115.D08.108-0458	0.89	
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	208	24	sq. ft.			500/524									
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	208E	141	sq. ft.	1		500/524				suspended metal grid	southeast corner	one (1) sample collected.	210115.D08.108-0470	1.3	
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	209	52	sq. ft.			500/524									
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	East Stairs	173	sq. ft.	1		500/524				suspended metal grid	north center section	one (1) sample collected. Collected from first floor, east stairs.	210119.D08.109-0489	2.1	
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	Hallway	456	sq. ft.	1		500/524				suspended metal grid	west end	one (1) sample collected. "DS SAFETONE" printed on backside of tile - See Photo #109-0497	210119.D08.109-0498	7.1	
D08	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		1 & 2	West Stairs	322	sq. ft.	1		500/524				suspended metal grid	2nd floor, east center section	one (1) sample collected.	210119.D08.109-0505	21	
D09	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		Multiple	7 Rooms	1323	sq. ft.	3					ND						PCB Remedial Waste
D09	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		1	104	244	sq. ft.			450									
D09	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		1	108	44	sq. ft.	1		450				suspended metal grid	center section	one (1) sample collected.	210114.D09.107-0417	3.5	
D09	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		1	109	40	sq. ft.			450									
D09	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		1	Hallway	342	sq. ft.			450									
D09	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		2	208	24	sq. ft.			450									
D09	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		2	East Stairs	173	sq. ft.	1		450				suspended metal grid	north center section	one (1) sample collected. Collected from first floor, east stairs.	210119.D09.109-0490	5.1	
D09	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Short Fissures and Pinholes		2	Hallway	456	sq. ft.	1		450				suspended metal grid	west end	one (1) sample collected. "Armstrong" printed on backside of tile - See Photo #109-0499	210119.D09.109-0501	20	
D10	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Long Fissures and Pinholes		Multiple	6 Rooms	1283	sq. ft.	3					ND						PCB Remedial Waste
D10	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Long Fissures and Pinholes		1	104	244	sq. ft.			-									
D10	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Long Fissures and Pinholes		1	108	44	sq. ft.	1		-				suspended metal grid	center section	one (1) sample collected.	210114.D10.107-0418	2.5	
D10	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Long Fissures and Pinholes		1	Hallway	342	sq. ft.			-									
D10	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Long Fissures and Pinholes		2	208	24	sq. ft.			-									
D10	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Long Fissures and Pinholes		2	East Stairs	173	sq. ft.	1		-				suspended metal grid	north center section	one (1) sample collected. Collected from first floor, east stairs.	210119.D10.109-0491	6.3	
D10	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Long Fissures and Pinholes		2	Hallway	456	sq. ft.	1		-				suspended metal grid	west end	one (1) sample collected.	210119.D10.109-0502	17	
D11	Covebase	4" Covebase	4" Black (original)		Multiple	22 Rooms	450	sq. ft.	0				Only test mastic for PCBs at this time.	ND						
D11	Covebase	4" Covebase	4" Black (original)		1	102	43	sq. ft.			464/533	150								
D11	Covebase	4" Covebase	4" Black (original)		1	102A	12	sq. ft.			464/533									
D11	Covebase	4" Covebase	4" Black (original)		1	102B	16	sq. ft.			464/533									
D11	Covebase	4" Covebase	4" Black (original)		1	104	40	sq. ft.			464/533									
D11	Covebase	4" Covebase	4" Black (original)		1	104A	19	sq. ft.			464/533									
D11	Covebase	4" Covebase	4" Black (original)		1	104B	12	sq. ft.			464/533									
D11	Covebase	4" Covebase	4" Black (original)		1	107	9	sq. ft.			464/533									
D11	Covebase	4" Covebase	4" Black (original)		1	107A	17	sq. ft.			464/533									
D11	Covebase	4" Covebase	4" Black (original)		1	109	14	sq. ft.			464/533									
D11	Covebase	4" Covebase	4" Black (original)		2	200	36	sq. ft.			464/533	140								
D11	Covebase	4" Covebase	4" Black (original)		2	202	36	sq. ft.			464/533									
D11	Covebase	4" Covebase	4" Black (original)		2	203	39	sq. ft.			464/533	89								
D11	Covebase	4" Covebase	4" Black (original)		2	204	34	sq. ft.			464/533									
D11	Covebase	4" Covebase	4" Black (original)		2	204B	9	sq. ft.			464/533									
D11	Covebase	4" Covebase	4" Black (original)		2	205	40	sq. ft.			464/533									
D11	Covebase	4" Covebase	4" Black (original)		2	205A	14	sq. ft.			464/533									
D11	Covebase	4" Covebase	4" Black (original)		2	205B	14	sq. ft.			464/533									
D11	Covebase	4" Covebase	4" Black (original)		2	208	13	sq. ft.			464/533									
D11	Covebase	4" Covebase	4" Black (original)		2	208A	8	sq. ft.			464/533									
D11	Covebase	4" Covebase	4" Black (original)		2	208D	7	sq. ft.			464/533									
D11	Covebase	4" Covebase	4" Black (original)		2	208E	16	sq. ft.			464/533									
D11	Covebase	4" Covebase	4" Black (original)		1 & 2	West Stairs	2	sq. ft.			464/533									
D12	Adhesive	4" Covebase Adhesive	associated with D11		Multiple	22 Rooms	487	sq. ft.	3					ND						PCB Bulk Product
D12	Adhesive	4" Covebase Adhesive	associated with D11	brown	1	102	43	sq. ft.	1		464/533	150			painted CMU	south wall, west corner	one (1) sample collected.	210114.D12.107-0408	57	
D12	Adhesive	4" Covebase Adhesive	associated with D11		1	102A	12	sq. ft.			464/533									
D12	Adhesive	4" Covebase Adhesive	associated with D11		1	102B	16	sq. ft.			464/533									
D12	Adhesive	4" Covebase Adhesive	associated with D11		1	104	40	sq. ft.			464/533									
D12	Adhesive	4" Covebase Adhesive	associated with D11		1	104A	19	sq. ft.			464/533									
D12	Adhesive	4" Covebase Adhesive	associated with D11		1	104B	12	sq. ft.			464/533									
D12	Adhesive	4" Covebase Adhesive	associated with D11		1	106	12	sq. ft.			464/533									
D12	Adhesive	4" Covebase Adhesive	associated with D11		1	107	9	sq. ft.			464/533									
D12	Adhesive	4" Covebase Adhesive	associated with D11		1	107A	17	sq. ft.			464/533									
D12	Adhesive	4" Covebase Adhesive	associated with D11		1	109	14	sq. ft.			464/533									
D12	Adhesive	4" Covebase Adhesive	associated with D11	brown	2	200	36	sq. ft.	1		464/533	140			painted plaster	north wall, center section	one (1) sample collected.	210115.D12.108-0438	19.6	
D12	Adhesive	4" Covebase Adhesive	associated with D11		2	202	36	sq. ft.			464/533									
D12	Adhesive	4" Covebase Adhesive	associated with D11	brown	2	203	39	sq. ft.	1		464/533	89			painted plaster	west wall, south section	one (1) sample collected.	210115.D12.108-0450	230	
D12	Adhesive	4" Covebase Adhesive	associated with D11	brown	2	203	39	sq. ft.	DUP		464/533	89			painted plaster	west wall, south section	one (1) duplicate sample collected.	210115.D12.108-0451	165	
D12	Adhesive	4" Covebase Adhesive	associated with D11		2	204	34	sq. ft.			464/533									
D12	Adhesive	4" Covebase Adhesive	associated with D11		2	204B	9	sq. ft.			464/533									
D12	Adhesive	4" Covebase Adhesive	associated with D11		2	205	40	sq. ft.			464/533									
D12	Adhesive	4" Covebase Adhesive	associated with D11		2	205A	14	sq. ft.			464/533									
D12	Adhesive	4" Covebase Adhesive	associated with D11		2	205B	14	sq. ft.			464/533									
D12	Adhesive	4" Covebase Adhesive	associated with D11		2	208	13	sq. ft.			464/533									
D12	Adhesive	4" Covebase Adhesive	associated with D11		2	208A	8	sq. ft.			464/533									
D12	Adhesive	4" Covebase Adhesive	associated with D11		2	208D	7	sq. ft.			464/533									
D12	Adhesive	4" Covebase Adhesive	associated with D11		2	208E	16	sq. ft.			464/533									
D12	Adhesive	4" Covebase Adhesive	associated with D11		1 & 2	West Stairs	2	sq. ft.			464/533									
D13	Plaster	Plaster	-		Multiple	33 Rooms		sq. ft.	0					ND						
D13	Plaster	Plaster	-		1	101		sq. ft.												
D13	Plaster	Plaster	-		1	102		sq. ft.				150								
D13	Plaster	Plaster	-		1	102A		sq. ft.												
D13	Plaster	Plaster	-		1	102B		sq. ft.												
D13	Plaster	Plaster	-		1	104		sq. ft.												
D13	Plaster	Plaster	-		1	104A		sq. ft.												
D13	Plaster	Plaster	-		1	104B		sq. ft.												
D13	Plaster	Plaster	-		1	107		sq. ft.												
D13	Plaster	Plaster	-		1	107A		sq. ft.												
D13	Plaster	Plaster	-		1	107B		sq. ft.												
D13	Plaster	Plaster	-		1	109		sq. ft.												
D13	Plaster	Plaster	-		1	109A		sq. ft.												
D13	Plaster	Plaster	-		1	Hallway		sq. ft.												
D13	Plaster	Plaster	-		2	200		sq. ft.				140								
D13	Plaster	Plaster	-		2	201		sq. ft.												

Homogeneous Material	Room Number	Substrate 1/4" Depth Sample ID and Results (ppm)	Substrate 1/4" - 3/4" Depth Sample ID and Results (ppm)	Substrate 3/4" - 1 1/4" Depth Sample ID and Results (ppm)	Concrete: Substrate 0-1/2" Depth Sample ID and Results	Concrete: Substrate 1/2 - 1" Depth Sample ID and Results	Plaster: Substrate 0-1/2" Depth Sample ID and Results	Plaster: Substrate 1/2 - 1" Depth Sample ID and Results	Wood: Substrate 0-1/2" Depth Sample ID and Results	Wood: Substrate 1/2 - 1" Depth Sample ID and Results	Gypsum Wall Board (GWB): Substrate 0-1/2" Depth Sample ID and Results	Gypsum Wall Board (GWB): Substrate 1/2 - 1" Depth Sample ID and Results	Concrete Masonry Unit (CMU): Substrate 0-1/2" Depth Sample ID and Results	Concrete Masonry Unit (CMU): Substrate 1/2 - 1" Depth Sample ID and Results	ATC Comments
D12	102										210331.D12.132-1224 ND	-			
D12	106										210331.D12.1225 ND	-			
D12	203						210318.D12.127-1124 1.5 Aroclor-1254 [2]	-			-	210406.D12.135-1326 NA	210331.D12.132-1222 0.61 Aroclor-1254 [1]	210331.D12.132-1223 NA	GWB behind plaster

Legend

- Not Regulated
- TBD
- PCB Remedial Waste
- Potentially Excluded PCB Product (EPP)
- PCB Bulk Products
- * Proposed Substrate Sample Location
- =Denotes homogeneous material
- = Denotes proposed sample location
- = Denotes Duplicate Sample Collected
- ND = None Detect
- NA = Not Analyzed

Building D - Bulk and Substrate Building Material Sampling Summary

Homogeneous Material	Material Type	MaterialCategory	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments	Asbestos Results %	Substrate Indicate if Painted or Unpainted	Specific Sample Location	ATC Comments	Sample ID Number (Date . H# . Photo ID #)	Total PCB Aroclor Results (ppm)	Substrate 1/4" Depth Sample ID and Results (ppm)	Substrate 1/4" - 3/4" Depth Sample ID and Results (ppm)	Substrate 3/4" - 1 1/4" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ATC Comments	Waste Category	Legend
D13	Plaster	Plaster	-		2	202		sq. ft.																											
D13	Plaster	Plaster	-		2	203		sq. ft.				89																							
D13	Plaster	Plaster	-		2	204		sq. ft.																											
D13	Plaster	Plaster	-		2	204B		sq. ft.																											
D13	Plaster	Plaster	-		2	205A		sq. ft.																											
D13	Plaster	Plaster	-		2	205B		sq. ft.																											
D13	Plaster	Plaster	-		2	206		sq. ft.				82																							
D13	Plaster	Plaster	-		2	207		sq. ft.																											
D13	Plaster	Plaster	-		2	208		sq. ft.																											
D13	Plaster	Plaster	-		2	208A		sq. ft.																											
D13	Plaster	Plaster	-		2	208B		sq. ft.																											
D13	Plaster	Plaster	-		2	208C		sq. ft.																											
D13	Plaster	Plaster	-		2	208D		sq. ft.																											
D13	Plaster	Plaster	-		2	208E		sq. ft.																											
D13	Plaster	Plaster	-		2	209		sq. ft.																											
D13	Plaster	Plaster	-		2	209A		sq. ft.																											
D13	Plaster	Plaster	-		2	Hallway		sq. ft.																											
D13	Plaster	Plaster	-		1 & 2	West Stairs		sq. ft.																											
D14	Gypsum Wall Board	Gypsum Wall Board	-		Multiple	15 Rooms	-	sq. ft.	0					ND																					
D14	Gypsum Wall Board	Gypsum Wall Board	-		1	101		sq. ft.																											
D14	Gypsum Wall Board	Gypsum Wall Board	-		1	102		sq. ft.				150																							
D14	Gypsum Wall Board	Gypsum Wall Board	-		1	106		sq. ft.				300																							
D14	Gypsum Wall Board	Gypsum Wall Board	-		1	108		sq. ft.																											
D14	Gypsum Wall Board	Gypsum Wall Board	-		1	Hallway		sq. ft.		above lockers																									
D14	Gypsum Wall Board	Gypsum Wall Board	-		2	200		sq. ft.				140																							
D14	Gypsum Wall Board	Gypsum Wall Board	-		2	201		sq. ft.																											
D14	Gypsum Wall Board	Gypsum Wall Board	-		2	202		sq. ft.																											
D14	Gypsum Wall Board	Gypsum Wall Board	-		2	203		sq. ft.				89																							
D14	Gypsum Wall Board	Gypsum Wall Board	-		2	204		sq. ft.																											
D14	Gypsum Wall Board	Gypsum Wall Board	-		2	205A		sq. ft.																											
D14	Gypsum Wall Board	Gypsum Wall Board	-		2	205B		sq. ft.																											
D14	Gypsum Wall Board	Gypsum Wall Board	-		2	206		sq. ft.				82																							
D14	Gypsum Wall Board	Gypsum Wall Board	-		2	208		sq. ft.																											
D14	Gypsum Wall Board	Gypsum Wall Board	-		2	Hallway		sq. ft.		above lockers																									
D15	Joint Compound	Joint Compound	-		Multiple	15 Rooms	-	sq. ft.	0					ND																					
D15	Joint Compound	Joint Compound	-		1	101		sq. ft.																											
D15	Joint Compound	Joint Compound	-		1	102		sq. ft.				150																							
D15	Joint Compound	Joint Compound	-		1	106		sq. ft.				300																							
D15	Joint Compound	Joint Compound	-		1	108		sq. ft.																											
D15	Joint Compound	Joint Compound	-		1	Hallway		sq. ft.																											
D15	Joint Compound	Joint Compound	-		2	200		sq. ft.				140																							
D15	Joint Compound	Joint Compound	-		2	201		sq. ft.																											
D15	Joint Compound	Joint Compound	-		2	202		sq. ft.																											
D15	Joint Compound	Joint Compound	-		2	203		sq. ft.				89																							
D15	Joint Compound	Joint Compound	-		2	204		sq. ft.																											
D15	Joint Compound	Joint Compound	-		2	205A		sq. ft.																											
D15	Joint Compound	Joint Compound	-		2	205B		sq. ft.																											
D15	Joint Compound	Joint Compound	-		2	206		sq. ft.				82																							
D15	Joint Compound	Joint Compound	-		2	208		sq. ft.																											
D15	Joint Compound	Joint Compound	-		2	Hallway		sq. ft.																											
D16	Composite	Composite of joint compound and gypsum wall board	of D14 and D15		Multiple	15 Rooms	69047	sq. ft.	0					NA																					
D16	Composite	Composite of joint compound and gypsum wall board	of D14 and D15		1	101		sq. ft.																											
D16	Composite	Composite of joint compound and gypsum wall board	of D14 and D15		1	102		sq. ft.				150																							
D16	Composite	Composite of joint compound and gypsum wall board	of D14 and D15		1	106		sq. ft.				300																							
D16	Composite	Composite of joint compound and gypsum wall board	of D14 and D15		1	108		sq. ft.																											
D16	Composite	Composite of joint compound and gypsum wall board	of D14 and D15		1	Hallway		sq. ft.																											
D16	Composite	Composite of joint compound and gypsum wall board	of D14 and D15		2	200		sq. ft.				140																							
D16	Composite	Composite of joint compound and gypsum wall board	of D14 and D15		2	201		sq. ft.																											
D16	Composite	Composite of joint compound and gypsum wall board	of D14 and D15		2	202		sq. ft.																											
D16	Composite	Composite of joint compound and gypsum wall board	of D14 and D15		2	203		sq. ft.				89																							
D16	Composite	Composite of joint compound and gypsum wall board	of D14 and D15		2	204		sq. ft.																											
D16	Composite	Composite of joint compound and gypsum wall board	of D14 and D15		2	205A		sq. ft.																											
D16	Composite	Composite of joint compound and gypsum wall board	of D14 and D15		2	205B		sq. ft.																											
D16	Composite	Composite of joint compound and gypsum wall board	of D14 and D15		2	206		sq. ft.				82																							
D16	Composite	Composite of joint compound and gypsum wall board	of D14 and D15		2	208		sq. ft.																											
D16	Composite	Composite of joint compound and gypsum wall board	of D14 and D15		2	Hallway		sq. ft.																											
D17	Grout	Grout	associated with ceramic wall tile 1" x 2" tan	white	2	1 Room	21	sq. ft.	0				Not mastic	Trace <1% Chrysotile																					
D17	Grout	Grout	associated with ceramic wall tile 1" x 2" tan	white	2	Hallway	21	sq. ft.		at water fountain	5092																								
D18	Adhesive	Adhesive	associated with D17		2	1 Room	21	sq. ft.	2				*	Trace <1% Chrysotile																				TBD	
D18	Adhesive	Adhesive	associated with D17		2	Hallway	21	sq. ft.	2	at water fountain	5092						VOID - no adhesive observed. mortar bed only.	VOID - See Photo # 109-0492																	
D19	Vinyl Floor Tile	9" Tile	9" x 9" red with black and white streaks		2	4 Rooms	277	sq. ft.	0				Only test mastic for PCBs at this time.	ACM >1% Previously Sampled																					
D19	Vinyl Floor Tile	9" Tile	9" x 9" red with black and white streaks		2	208	70	sq. ft.			534																								
D19	Vinyl Floor Tile	9" Tile	9" x 9" red with black and white streaks		2	208A	31	sq. ft.			534																								
D19	Vinyl Floor Tile	9" Tile	9" x 9" red with black and white streaks		2	208D	35	sq. ft.			534																								
D19	Vinyl Floor Tile	9" Tile	9" x 9" red with black and white streaks		2	208E	141	sq. ft.			534																								
D20	Mastic	9" Tile Mastic	associated with D19		2	4 Rooms	277	sq. ft.	3					ND																				PCB Bulk Product	
D20	Mastic	9" Tile Mastic	associated with D19	black	2	208	70	sq. ft.	1		534				unpainted concrete	D208 suite entrance, northcenter section	one (1) sample collected.	210115.D20.108-0472	9600																
D20	Mastic	9" Tile Mastic	associated with D19	black	2	208A	31	sq. ft.			534																								
D20	Mastic	9" Tile Mastic	associated with D19	black	2	208D	35	sq. ft.	1		534				unpainted concrete	east center section	one (1) sample collected.	210115.D20.108-0471	38000																
D20	Mastic	9" Tile Mastic	associated with D19	black	2	208E	141	sq. ft.	1		534				unpainted concrete	center section	one (1) sample collected.	210115.D20.108-0469	7000				210318.D20.127-1129 1.4 Aroclor-1254 [2]	210318.D20.127-1130 ND											
D23	Vinyl Floor Tile	12" Tile	12" x 12" shades of white		Multiple	4 Rooms	2250	sq. ft.	0				Only test mastic for PCBs at this time.	ND																					
D23	Vinyl Floor Tile	12" Tile	12" x 12" white		1	Hallway	686	sq. ft.			525/5091																								
D23	Vinyl Floor Tile	12" Tile	12" x 12" white		2	206	826	sq. ft.			525/5091	82																							
D23	Vinyl Floor Tile	12" Tile	12" x 12" white		2	209	52	sq. ft.			525/5091																								
D23	Vinyl Floor Tile	12" Tile	12" x 12" shades of white		2	Hallway	686	sq. ft.			525/5091																								
D24	Mastic	12" Tile Mastic	Mastic associated with 12" x 12" shades of white		Multiple	4 Rooms	3622	sq. ft.	3					ND																				PCB Bulk Product	
D24	Mastic	12" Tile Mastic	associated with D23 and D25	yellow	1	Hallway	1372	sq. ft.	1		525/5091				unpainted concrete	at south wall, outside Room D104A	one (1) sample collected. yellow over residual black mastic.	210114.D24.107-0424	4800																
D24	Mastic	12" Tile Mastic	associated with D23	yellow	2	206	826	sq. ft.	1		525/5091	82			unpainted concrete	northwest section	one (1) sample collected.	210115.D24.108-0462	45000	211802.D24.121-0999 52 Aroclor-1254[2]	211802.D24.121-1000 3.5 Aroclor-1254[2]	211802.D24.121-1001 1.4 Aroclor-1254[2]													
D24	Mastic	12" Tile Mastic	associated with D23		2	209	52	sq. ft.			525/5091																								
D24	Mastic	12" Tile Mastic	associated with D23	yellow	2	Hallway	1372	sq. ft.	1		525/5091				unpainted concrete	south wall, east section	one (1) sample collected. yellow mastic, no residual black observed.	210119.D24.109-0494	4100																
D25	Vinyl Floor Tile	12" Tile	12" x 12" blue		Multiple	2 Rooms	1372	sq. ft.	0				Only test mastic for PCBs at this time.	ND																					
D25	Vinyl Floor Tile	12" Tile	12" x 12" Blue		1	Hallway	686	sq. ft.			525/5091																								
D25	Vinyl Floor Tile	12" Tile	12" x 12" blue		2	Hallway	686	sq. ft.			525/5091																								
D26	Grout	Grout	associated with ceramic floor tile 1" Gray/Brown		Multiple	4 Rooms	465	sq. ft.	0					ND																					
D26	Grout	Grout	associated with ceramic floor tile 1" Gray/Brown		1	109A	210	sq. ft.			466																								
D26	Grout	Grout	associated with ceramic floor tile 1" Gray/Brown		2	208B	30	sq. ft.			466																								
D26	Grout	Grout	associated with ceramic floor tile 1" Gray/Brown		2	208C	27	sq. ft.			466																								
D26	Grout	Grout	associated with ceramic floor tile 1" Gray/Brown		2	209A	198	sq. ft.			466																								
D27	Adehisve/Mortar Bed	Adhesive/mortar bed associated with grout	associated with D26		Multiple	4 Rooms	465	sq. ft.	3				Not Adhesive	ND																				TBD	
D27	Adehisve/Mortar Bed	Adhesive/mortar bed associated with grout	associated with D26		1	109A	210	sq. ft.	1		466						VOID - no adhesive observed. mortar bed only.	VOID - See Photo # 107-0429																	
D27	Adehisve/Mortar Bed	Adhesive/mortar bed associated with grout	associated with D26		2	208B	30	sq. ft.	1		466						VOID - no adhesive observed. mortar bed only.	VOID - See Photo #108-0468																	
D27	Adehisve/Mortar Bed	Adhesive/mortar bed associated with grout	associated with D26		2	208C	27	sq. ft.			466																								
D27	Adehisve/Mortar Bed	Adhesive/mortar bed associated with grout	associated with D26		2	209A	198	sq. ft.	1		466						VOID - no adhesive observed. mortar bed only.	VOID - See Photo #108-0474																	
D28	Glazing (formerly Caulking)	Glazing associated with reinforced glass doors	associated with Reinforced Glass Black (doors)		Multiple	5 Rooms		sq. ft.	0				Previously Sampled - PCB D28A 45 ppm *	6% Chrysotile																					
D28	Glazing (formerly Caulking)	Glazing associated with reinforced glass doors	associated with Reinforced Glass Black (doors)		1	Hallway		sq. ft.			455																								
D28	Glazing (formerly Caulking)	Glazing associated with reinforced glass doors	associated with Reinforced Glass, Black (Doors)		2	208		sq. ft.			455																								
D28	Glazing	Glazing associated with reinforced glass doors	associated with Reinforced Glass Black (doors)		1	East Stairs		sq. ft.			455																								
D28	Glazing (formerly Caulking)	Glazing associated with reinforced glass doors	associated with Reinforced Glass Black (doors)		2	Hallway	-	sq. ft.			455																								
D28	Glazing	Glazing associated with reinforced glass doors	associated with Reinforced Glass Black (doors)		1 & 2	West Stairs	-	sq. ft.			455																								

Building D - Bulk and Substrate Building Material Sampling Summary

Homogeneous Material	Material Type	MaterialCategory	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments	Asbestos Results %	Substrate Indicate if Painted or Unpainted	Specific Sample Location	ATC Comments	Sample ID Number (Date . H# . Photo ID #)	Total PCB Aroclor Results (ppm)	Substrate 1/4" Depth Sample ID and Results (ppm)	Substrate 1/4" - 3/4" Depth Sample ID and Results (ppm)	Substrate 3/4" - 1 1/4" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ATC Comments	Waste Category	Legend
D29	Window Caulking	Window Caulking	CMU to Metal	tan	Multiple	14 Rooms		sq. ft.	0				Previously Sampled - PCB D29A 41 ppm	ND result in Bldg D Positive in other Bldgs ACM >1%																					
D29	Window Caulking	Window Caulking	CMU to Metal	tan	1	101		sq. ft.																											
D29	Window Caulking	Window Caulking	CMU to Metal	tan	1	102		sq. ft.				150																							
D29	Window Caulking	Window Caulking	CMU to Metal	tan	1	104		sq. ft.																											
D29	Window Caulking	Window Caulking	CMU to Metal	tan	1	106		sq. ft.				300																							
D29	Window Caulking	Window Caulking	CMU to Metal	tan	1	108		sq. ft.																											
D29	Window Caulking	Window Caulking	CMU to Metal	tan	2	200		sq. ft.				140																							
D29	Window Caulking	Window Caulking	CMU to Metal	tan	2	201		sq. ft.																											
D29	Window Caulking	Window Caulking	CMU to Metal	tan	2	202		sq. ft.																											
D29	Window Caulking	Window Caulking	CMU to Metal	tan	2	203		sq. ft.				89																							
D29	Window Caulking	Window Caulking	CMU to Metal	tan	2	204		sq. ft.																											
D29	Window Caulking	Window Caulking	CMU to Metal	tan	2	205		sq. ft.																											
D29	Window Caulking	Window Caulking	CMU to Metal	tan	2	205A		sq. ft.																											
D29	Window Caulking	Window Caulking	CMU to Metal	tan	2	206		sq. ft.				82																							
D29	Window Caulking	Window Caulking	CMU to Metal	tan	2	208E		sq. ft.																											
D30	Window Caulking	Window Caulking	Metal Casing to Metal Sill	tan	Multiple	14 Rooms		sq. ft.	0				Previously Sampled - PCB D30A 170 pm	5% Chrysotile																					
D30	Window Caulking	Window Caulking	Metal Casing to Metal Sill	tan	1	101																													
D30	Window Caulking	Window Caulking	Metal Casing to Metal Sill	tan	1	102						150																							
D30	Window Caulking	Window Caulking	Metal Casing to Metal Sill	tan	1	104																													
D30	Window Caulking	Window Caulking	Metal Casing to Metal Sill	tan	1	106						300																							
D30	Window Caulking	Window Caulking	Metal Casing to Metal Sill	tan	1	108																													
D30	Window Caulking	Window Caulking	Metal Casing to Metal Sill	tan	2	200						140																							
D30	Window Caulking	Window Caulking	Metal Casing to Metal Sill	tan	2	201																													
D30	Window Caulking	Window Caulking	Metal Casing to Metal Sill	tan	2	202																													
D30	Window Caulking	Window Caulking	Metal Casing to Metal Sill	tan	2	203						89																							
D30	Window Caulking	Window Caulking	Metal Casing to Metal Sill	tan	2	204																													
D30	Window Caulking	Window Caulking	Metal Casing to Metal Sill	tan	2	205																													
D30	Window Caulking	Window Caulking	Metal Casing to Metal Sill	tan	2	205A																													
D30	Window Caulking	Window Caulking	Metal Casing to Metal Sill	tan	2	206						82																							
D30	Window Caulking	Window Caulking	Metal Casing to Metal Sill	tan	2	208E																													
D31	Adhesive	Adhesive with counter top	associated with counter top		Multiple	13 Rooms		sq. ft.	7				Assumed asbestos	VOID																				TBD	
D31	Adhesive	Adhesive with counter top	associated with counter top		1	102A			1		486						VOID - no adhesive observed.	VOID - See Photo #107-0412																	
D31	Adhesive	Adhesive with counter top	associated with counter top		1	102B					487																								
D31	Adhesive	Adhesive with counter top	associated with counter top		1	104	-		1		-						VOID - no adhesive observed.	VOID - See Photo # 107-0413																	
D31	Adhesive	Adhesive with counter top	associated with counter top		1	104A	-				494																								
D31	Adhesive	Adhesive with counter top	associated with counter top		1	104B	-				497																								
D31	Adhesive	Adhesive with counter top	associated with counter top		1	106	-		1		505	300					VOID - No adhesive observed.	VOID																	
D31	Adhesive	Adhesive with counter top	associated with counter top		2	202	-				584																								
D31	Adhesive	Adhesive with counter top	associated with counter top		2	203	-		0		-	89					VOID - no adhesive observed.	VOID																	
D31	Adhesive	Adhesive with counter top	associated with counter top		2	204	-		1		565						VOID - no adhesive observed.	VOID																	
D31	Adhesive	Adhesive with counter top	associated with counter top		2	204B	-				562																								
D31	Adhesive	Adhesive with counter top	associated with counter top		2	205	-				569																								
D31	Adhesive	Adhesive with counter top	associated with counter top		2	206	-		1		551	82					VOID - no adhesive observed.	VOID																	
D31	Adhesive	Adhesive with counter top	associated with counter top		2	208	-		1		508						VOID - no counter or adhesive in room	VOID																	
D32	Sink Undercoating	Sink Undercoating	1 sink	tan	Multiple	4 Rooms	12	sq. ft.	2				Limited material	Trace <1% Chrysotile																				TBD	
D32	Sink Undercoating	Sink Undercoating	1 sink	tan	1	102B	3	sq. ft.	1		488				stainless steel, single bay sink	south wall, center section	one (1) sample collected.	210114.D32.107-0411	68															PCB Bulk Product	
D32	Sink Undercoating	Sink Undercoating	1 sink	tan	2	204B	3	sq. ft.			564																							Collect Sample	
D32	Sink Undercoating	Sink Undercoating	1 sink	tan	2	205	3	sq. ft.			569																							Collect Sample	
D32	Sink Undercoating	Sink Undercoating	1 sink	tan	2	206	3	sq. ft.	1		553	82			stainless steel, single bay sink	sink at north wall	one (1) sample collected.	210115.D32.108-0463	18															Potentially Excluded PCB Product	
D33	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Grey with White Streaks		Multiple	12 Rooms	5011	sq. ft.	0				Only test mastic at this time. *	15 % Chrysotile																					
D33	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Grey with White Streaks		1	101	722	sq. ft.			463																								
D33	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Grey with White Streaks		1	102A	86	sq. ft.			463																								
D33	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Grey with White Streaks		1	102B	146	sq. ft.			463																								
D33	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Grey with White Streaks		1	109	80	sq. ft.			463																								
D33	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Grey with White Streaks		2	200	702	sq. ft.			463	140																							
D33	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Grey with White Streaks		2	202	708	sq. ft.			463																								
D33	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Grey with White Streaks		2	203	817	sq. ft.			463	89																							
D33	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Grey with White Streaks		2	204	602	sq. ft.			463																								
D33	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Grey with White Streaks		2	204B	48	sq. ft.			463																								
D33	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Grey with White Streaks		2	205	876	sq. ft.			463																								
D33	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Grey with White Streaks		2	205A	110	sq. ft.			463																								
D33	Vinyl Floor Tile	9" Tile	9" x 9" Olive/Grey with White Streaks		2	205B	114	sq. ft.			463																								
D34	Mastic	9" Tile Mastic	associated with D33		Multiple	12 Rooms	5011	sq. ft.	6					2% Chrysotile																				PCB Bulk Product	
D34	Mastic	9" Tile Mastic	associated with D33	black	1	101	722	sq. ft.	1		463				unpainted concrete	west center section	one (1) sample collected.	210114.D34.107-0402	4300																
D34	Mastic	9" Tile Mastic	associated with D33	black	1	101	722	sq. ft.	DUP		463				unpainted concrete	west center section	one (1) duplicate sample collected.	210114.D34.107-0404	3600																
D34	Mastic	9" Tile Mastic	associated with D33		1	102A	86	sq. ft.			463																								
D34	Mastic	9" Tile Mastic	associated with D33	black	1	102B	146	sq. ft.	1		463				unpainted concrete	north center section	one (1) sample collected.	210114.D34.107-0409	1600																
D34	Mastic	9" Tile Mastic	associated with D33	black	1	109	80	sq. ft.	1		463				unpainted concrete	southwest section	one (1) sample collected.	210114.D34.107-0426	2500																
D34	Mastic	9" Tile Mastic	associated with D33	black	1	109	80	sq. ft.	DUP		463				unpainted concrete	southwest section	one (1) duplicate sample collected.	210114.D34.107-0427	3000																
D34	Mastic	9" Tile Mastic	associated with D33	black	2	200	702	sq. ft.	1		463	140			unpainted concrete	north east corner	one (1) sample collected.	210115.D34.108-0439	6600																
D34	Mastic	9" Tile Mastic	associated with D33		2	202	708	sq. ft.			463																								
D34	Mastic	9" Tile Mastic	associated with D33	black	2	203	817	sq. ft.	1		463	89			unpainted concrete	southwest section	one (1) sample collected.	210115.D34.108-0449	24000	211802.D34.121-0996 2.2 Aroclor-1254[2]	211802.D34.121-0997 0.43 Aroclor-1254[2]	211802.D34.121-0998 ND													
D34	Mastic	9" Tile Mastic	associated with D33	black	2	204	602	sq. ft.	1		463				unpainted concrete	northwest section	one (1) sample collected.	210115.D34.108-0454	6400																
D34	Mastic	9" Tile Mastic	associated with D33		2	204B	48	sq. ft.			463																								
D34	Mastic	9" Tile Mastic	associated with D33		2	205	876	sq. ft.			463																								
D34	Mastic	9" Tile Mastic	associated with D33		2	205A	110	sq. ft.			463																								
D34	Mastic	9" Tile Mastic	associated with D33		2	205B	114	sq. ft.			463																								
D36	Fire Stop Caulking	Fire Stop Caulking	Fire Stop Caulking	red	Multiple	2 Rooms		sq. ft.	0				Post 1980	ND																					
D36	Fire Stop Caulking	Fire Stop Caulking	Fire Stop Caulking	red	1	107A																													
D36	Fire Stop Caulking	Fire Stop Caulking	Fire Stop Caulking	red	2	200						140																							
D37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' X 2' Small Fissures and Pinholes		Multiple	3 Rooms	808	sq. ft.	3					ND																				TBD	
D37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' X 2' Small Fissures and Pinholes		1	110	69	sq. ft.	1		450						VOID - Mateial is actually H-Group D08 (Suspended Ceiling Tile, 2' x2', dense fissures)	VOID																	
D37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' X 2' Small Fissures and Pinholes		2	East Stairs	173	sq. ft.	1		450						VOID - D37 Suspended ceiling tile is the same as D09 Suspended ceiling tile.	VOID																	
D37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' X 2' Small Fissures and Pinholes		1	East Stairs	566	sq. ft.	1		450		ON HOLD				VOID - D37 Suspended ceiling tile is the same as D09 Suspended ceiling tile. ON HOLD - one (1) sample collected.	210114.D09.107-0434																	
D38	Covebase (formerly Baseboard)	4" Covebase	4" Black (newer)		Multiple	10 Rooms	460	sq. ft.	0				Only test mastic for PCBs at this time.	ND																					
D38	Covebase (formerly Baseboard)	4" Covebase	4" Black (newer)		1	101	34	sq. ft.			452/501/525																								
D38	Covebase (formerly Baseboard)	4" Covebase	4" Black (newer)		1	106	43	sq. ft.			452/501/525	300					VOID - Material is actually H-Group D11 (Covebase 4" black original).	VOID																	
D38	Covebase (formerly Baseboard)	4" Covebase	4" Black (newer)		1	108	16	sq. ft.			452/501/525																								
D38	Covebase (formerly Baseboard)	4" Covebase	4" Black (newer)		1	Hallway	98	sq. ft.			452/501/525																								
D38	Covebase (formerly Baseboard)	4" Covebase	4" Black (newer)		2	201	45	sq. ft.			452/501/525																								
D38	Covebase (formerly Baseboard)	4" Covebase	4" Black (newer)		2	206	39	sq. ft.			452/501/525	82																							
D38	Covebase (formerly Baseboard)	4" Covebase	4" Black (newer)		2	209	10	sq. ft.			452/501/525																								
D38	Covebase (formerly Baseboard)	4" Covebase	4" Black (newer)		2	East Stairs	38	sq. ft.			452/501/525																								
D38	Covebase (formerly Baseboard)	4" Covebase	4" Black (newer)		1	East Stairs	39	sq. ft.			452/501/525																								
D38	Covebase (formerly Baseboard)	4" Covebase	4" Black (newer)		2	Hallway	98	sq. ft.			452/501/525																								
D39	Adhesive (formerly Mastic)	4" Covebase Adhesive	associated with D38		Multiple	10 Rooms	460	sq. ft.	3					ND																				Potentially Excluded PCB Product	
D39	Adhesive (formerly Mastic)	4" Covebase Adhesive	associated with D38		1	101	34	sq. ft.			452/501/525																								
D39	Adhesive (formerly Mastic)	4" Covebase Adhesive	associated with D38		1	106	43	sq. ft.	1		452/501/525	300					VOID - Material is actually H-Group D12 (Adhesive, assoc. w/ ovebase 4" black original). No sample collected.	VOID																	
D39	Adhesive (formerly Mastic)	4" Covebase Adhesive	associated with D38		1	108	16	sq. ft.			452/501/525																								
D39	Adhesive (formerly Mastic)	4" Covebase Adhesive	associated with D38		1	Hallway	98	sq. ft.			452/501/525																								
D39	Adhesive (formerly Mastic)	4" Covebase Adhesive	associated with D38		2	201	45	sq. ft.			452/501/525																								
D39	Adhesive (formerly Mastic)	4" Covebase Adhesive	associated with D38	beige	2	206	39	sq. ft.	1		452/501/525	82			painted CMU	south wall, center section	one (1) sample collected. Beige over residual brown adhesive.	210115.D39.108-0464	21												210318.D39.127-1127 0.83 Aroclor-1254 [1]	210318.D39.127-1128 NA			
D39	Adhesive (formerly Mastic)	4" Covebase Adhesive	associated with D38		2	209	10	sq. ft.			452/501/525																								
D39	Adhesive (formerly Mastic)	4" Covebase Adhesive	associated with D38		2	East Stairs	38	sq. ft.			452/501/525																								
D39	Adhesive (formerly Mastic)	4" Covebase Adhesive	associated with D38		1	East Stairs	39	sq. ft.			452/501/525																								
D39	Adhesive (formerly Mastic)	4" Covebase Adhesive	associated with D38	light brown	2	Hallway	98	sq. ft.	1		452/501/525				painted plaster	south wall center section, outside Rm206	one (1) sample collected. paint inseparable.	210119.D39.109-0496	13.2																
D40	Vinyl Floor Tile	12" Tile	12" x 12" Green		2	1 Room	1059	sq. ft.	0				Only test mastic for PCBs at this time.	ND																					
D40	Vinyl Floor Tile	12" Tile	12" x 12" Green		2	201	1059	sq. ft.			577																								
D41	Mastic	12" Tile Mastic	associated with D40		2	1 Room	1059	sq. ft.	2					ND																				PCB Bulk Product	
D41	Mastic	12" Tile Mastic	associated with D40	yellow/ black	2	201	1059	sq. ft.	2		577				unpainted concrete	northeast corner	one (1) sample collected. yellow over residual black mastic.	210115.D41.108-0442	25000	211802.D41.121-0993 2.9 Aroclor-1254[2]	211802.D41.121-0994 0.14 Aroclor-1254[2]	211802.D41.121-0995 ND													
D42	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black and white streaks		1	4 Rooms	1971	sq. ft.	0				Only test mastic for PCBs at this time.	15% Chrysotile																					
D42	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black and white streaks		1	102	1008	sq. ft.			482	150																							
D42	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black and white streaks		1	104	733	sq. ft.			482																								

Building D - Bulk and Substrate Building Material Sampling Summary

Homogeneous Material	Material Type	MaterialCategory	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m³)	Comments	Asbestos Results %	Substrate Indicate if Painted or Unpainted	Specific Sample Location	ATC Comments	Sample ID Number (Date . H# . Photo ID #)	Total PCB Aroclor Results (ppm)	Substrate 1/4" Depth Sample ID and Results (ppm)	Substrate 1/4" - 3/4" Depth Sample ID and Results (ppm)	Substrate 3/4" - 1 1/4" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ATC Comments	Waste Category	Legend
D42	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black and white streaks		1	104A	153	sq. ft.			482																								
D42	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black and white streaks		1	104B	77	sq. ft.			482																								
D43	Mastic	9" Tile Mastic	associated with D19		1	4 Rooms	1971	sq. ft.	3					15% Chrysotile																				PCB Bulk Product	
D43	Mastic	9" Tile Mastic	associated with D19	black	1	102	1008	sq. ft.	1		482	150			unpainted concrete	south center section	one (1) sample collected.	210114.D43.107-0407	7900																
D43	Mastic	9" Tile Mastic	associated with D19	black	1	104	733	sq. ft.	1		482				unpainted concrete	north center section	one (1) sample collected.	210114.D43.107-0414	4000																
D43	Mastic	9" Tile Mastic	associated with D19	black	1	104A	153	sq. ft.	1		482				unpainted concrete	south center section	one (1) sample collected.	210114.D43.107-0425	9500				210318.D43.127-1111 0.57 Aroclor-1254 [2]	210318.D43.127-1112 NA											
D43	Mastic	9" Tile Mastic	associated with D19		1	104B	77	sq. ft.			482																								
D44	Window Caulking	Window Caulking	Glass Pane to Metal Casing	Brown	Multiple	3 Rooms		sq. ft.	0				Previosuly Sampled - PCB D44A 36 ppm *	2% Chrysotile																					
D44	Window Caulking	Window Caulking	Glass Pane to Metal Casing	Brown	2	East Stairs					517																								
D44	Window Caulking	Window Caulking	Glass Pane to Metal Casing	Brown	1 & 2	West Stairs					5088																								
D45	Grout	Grout associated with 4" ceramic wall tile	associated with ceramic wall tile 4" Gray/white/green	white	Multiple	4 Rooms	344	sq. ft.	0				Not mastic	ND																					
D45	Grout	Grout associated with 4" ceramic wall tile	associated with ceramic wall tile 4" Gray/white/green	white	1	107	16	sq. ft.			465/473/541																								
D45	Grout	Grout associated with 4" ceramic wall tile	associated with ceramic wall tile 4" Gray/white/green	white	2	207	16	sq. ft.			465/473/541																								
D45	Grout	Grout associated with 4" ceramic wall tile	associated with ceramic wall tile 4" Gray/white/green	white	2	208B	156	sq. ft.			465/473/541																								
D45	Grout	Grout associated with 4" ceramic wall tile	associated with ceramic wall tile 4" Gray/white/green	white	2	208C	156	sq. ft.			465/473/541																								
D46	Adhesive	4" Tile Adhesive	associated with D45		Multiple	4 Rooms	344	sq. ft.	3				Mortar Bed or Adhesive	Mortar Bed = Trace <1% Adhesive = ND																				Potentially Excluded PCB Product	
D46	Adhesive	4" Tile Adhesive	associated with D45	yellow	1	107	16	sq. ft.	1		465/473/541				unpainted plaster skim coat	south wall	one (1) sample collected. skim coat inseparable from adhesive.	210114.D46.107-0399	3.7																
D46	Adhesive	4" Tile Adhesive	associated with D45		2	207	16	sq. ft.			465/473/541				unpainted plaster skim coat	south wall, east section	one (1) sample collected. Skim coat inseparable.	210119.D46.109-0493	12.4						210318.D46.127-1131 1.9 Aroclor-1254 [2]				-	210318.D46.127-1132 NA			GWB behind plaster		
D46	Adhesive	4" Tile Adhesive	associated with D45		2	208B	156	sq. ft.	1		465/473/541						VOID - no adhesive observed. mortar bed only.	VOID - See Photo #108-0467																	
D46	Adhesive	4" Tile Adhesive	associated with D45		2	208C	156	sq. ft.	1		465/473/541						VOID - no adhesive observed. mortar bed only.	VOID - See Photo #108-0466																	
D46.1	Adhesive	4" Tile Adhesive	associated with D45											ND	plaster																				
D46.1	Adhesive	4" Tile Adhesive	associated with D46		1	107	16	sq. ft.																											
D47	Grout	Grout associated with 4" ceramic wall tile	associated with ceramic wall tile 4" White	white	Multiple	2 Rooms	987	sq. ft.	0				Not mastic	ND																					
D47	Grout	Grout associated with 4" ceramic wall tile	associated with ceramic wall tile 4" white	white	1	109A	531	sq. ft.			465																								
D47	Grout	Grout associated with 4" ceramic wall tile	associated with ceramic wall tile 4" White	white	2	209A	456	sq. ft.			465																								
D48	Adhesive	4" Tile Adhesive	associated with D47		Multiple	2 Rooms	987	sq. ft.	2					2% Chrysotile																				Potentially Excluded PCB Product	
D48	Adhesive	4" Tile Adhesive	associated with D47		1	109A	531	sq. ft.	1		465						VOID - no adhesive observed. mortar bed only.	VOID - See Photo #107-0428																	
D48	Adhesive	4" Tile Adhesive	associated with D47	yellow	2	209A	456	sq. ft.	1		465				unpainted wood	patched area only at east wall, south section	one (1) sample collected. Patched area only. Remaining is mortar bed only.	210115.D48.108-0473	2.8								210318.D48.127-1133 0.76 Aroclor-1254 [2]	-							
D49	Vinyl Floor Tile	12" Tile	12" x 12" White with Tan and Grey/Brown Specks		2	1 Room	285	sq. ft.	0				Only test mastic for PCBs at this time.	ND																					
D49	Vinyl Floor Tile	12" Tile	12" x 12" White with Tan and Grey/Brown Specks		2	East Stairs	285	sq. ft.			519																								
D50	Vinyl Floor Tile	12" Tile	12" x 12" Blue with Black and White Specks		2	1 Room	285	sq. ft.	0				Only test mastic for PCBs at this time.	ND																					
D50	Vinyl Floor Tile	12" Tile	12" x 12" Blue with Black and White Specks		2	East Stairs	285	sq. ft.			520																								
D51	Mastic	12" Tile Mastic	associated with D49 and D50		2	1 Room	570	sq. ft.	2				Limited material	ND																				PCB Bulk Product	
D51	Mastic	12" Tile Mastic	associated with D49 and D50	yellow	2	East Stairs	570	sq. ft.	2		520				unpainted concrete	southwest corner northwest corner	one (1) sample collected. yellow mastic, no residual black mastic observed.	210115.D51.108-0476	2100				210318.D51.127-1134 13 Aroclor-1254 [2]	210318.D51.127-1135 1.4 Aroclor-1254 [1]											
D51	Mastic	12" Tile Mastic	associated with D49 and D50	yellow	2	East Stairs	570	sq. ft.	2		520				unpainted concrete	southwest corner northwest corner	one (1) sample collected. yellow mastic, no residual black mastic observed.	210115.D51.108-0479	380																
D52	Grout	Grout	associated with ceramic wall tile 3" Green		Multiple	3 Rooms	423	sq. ft.	0				Not mastic	ND																					
D52	Grout	Grout	associated with ceramic wall tile 3" Green		1	110	56	sq. ft.			451																								
D52	Grout	Grout	associated with ceramic wall tile 3" Green		2	East Stairs	178	sq. ft.			451																								
D52	Grout	Grout	associated with ceramic wall tile 3" Green		1	East Stairs	189	sq. ft.			451																								
D53	Adhesive	Adhesive associated Grout associated with 3" wall tile	associated with D52		Multiple	3 Rooms	423	sq. ft.	3				*	Trace <1% Chrysotile																				TBD	
D53	Adhesive	Adhesive associated Grout associated with 3" wall tile	associated with D52		1	110	56	sq. ft.	1		451						VOID - no adhesive observed. mortar bed only.	VOID																	
D53	Adhesive	Adhesive associated Grout associated with 3" wall tile	associated with D52		2	East Stairs	178	sq. ft.	1		451						VOID - no adhesive observed. mortar bed only.	VOID - See Photo # 108-0475																	
D53	Adhesive	Adhesive associated Grout associated with 3" wall tile	associated with D52		1	East Stairs	189	sq. ft.	1		451		ON HOLD		unpainted concrete & residual mortar bed	east wall, north section	one (1) sample collected. ON HOLD - Assumed post 1980s installation. Patched area only. Remaining is mortar bed	210114.D53.107-0433																	
D53.1	Adhesive	Adhesive patch associated Grout associated with 3" wall tile	Patch, associated with D52 Grout w/ ceramic wall tile 3" green	yellow										ND																					
D53.1	Adhesive	Adhesive patch associated Grout associated with 3" wall tile	Patch, associated with D52 Grout w/ ceramic wall tile 3" green	yellow	1	East Stairs																													
D54	Caulking	Caulking	Door/Window casing to brick		Multiple	5 Rooms	115	ln. ft.	0				Previously Sampled - PCB D54A (25.7 ppm), B (11 ppm)	ND																					
D54	Caulking	Caulking	Door/Window casing to brick		2	East Stairs	29	ln. ft.			517																								
D54	Caulking	Caulking	Door/Window casing to brick		1	East Stairs	29	ln. ft.			517																								
D54	Caulking	Caulking	Door/Window casing to brick		1	East Stairs	-				517						Duplicated Line																		
D54	Caulking	Caulking	Door/Window casing to brick		1	East Stairs	-				517						Duplicated Line																		
D54	Caulking	Caulking	Door/Window casing to brick		1 & 2	West Stairs	57	ln. ft.			517																								
D56	Stair Tread Material	Stair Tread Material	Blue with Raised Circles		2	1 Room	126	sq. ft.	0				Only test mastic for PCBs at this time.	ND																					
D56	Stair Tread Material	Stair Tread Material	Blue with Raised Circles		2	East Stairs	126	sq. ft.			453																								
D57	Stair Riser Material	6" Covebase	6" Covebase teal/blue		2	1 Room	126	sq. ft.	0				Only test mastic for PCBs at this time.	ND																					
D57	Stair Riser Material	6" Covebase	6" Covebase teal/blue		2	East Stairs	126	sq. ft.			453																								
D58	Stair Riser Material	6" Covebase	Tan with Raised Circles		2	1 Room	36	sq. ft.	0				Only test mastic for PCBs at this time.	ND																					
D58	Stair Landing Material	6" Covebase	Tan with Raised Circles		2	East Stairs	36	sq. ft.			453																								
D59	Adhesive	6" Covebase Adhesive	associated with D56, D57 and D58		2	1 Room	126	sq. ft.	2				Limited material	ND																				PCB Bulk Product	
D59	Adhesive	6" Covebase Adhesive	associated with D56, D57 and D58	yellow/ black	2	East Stairs	126	sq. ft.	2		453				unpainted concrete	mid landing, east center section	two (2) samples collected. yellow over residual black mastic.	210115.D59.108-0482	170																
D59	Adhesive	6" Covebase Adhesive	associated with D56, D57 and D58	yellow/ black	2	East Stairs	126	sq. ft.	2		453				unpainted concrete	mid landing, east center section	two (2) samples collected. yellow over residual black mastic.	210115.D59.108-0483	330				210318.D59.127-1109 ND	210318.D59.127-1110 NA											
D60	Mastic	Carpet Mastic	associated with carpet squares		1	1 Room	566	sq. ft.	2				Limited ,aterial	ND																				PCB Bulk Product	
D60	Mastic	Carpet Mastic	associated with carpet squares		1	East Stairs	566	sq. ft.	2		452				unpainted concrete	northeast corner	two (2) samples collected. yellow over residual black mastic.	210119.D60.109-0486	4700																
D60	Mastic	Carpet Mastic	associated with carpet squares		1	East Stairs	566	sq. ft.	2		452				unpainted concrete	northeast corner	two (2) samples collected. yellow over residual black mastic.	210119.D60.109-0487	6600				210318.D60.127-1107 0.87 Aroclor-1254 [2]	210318.D60.127-1108 NA											
D61	Stair Tread Material	Stair Tread Material	Brown		Multiple	1 Room	122	sq. ft.	0				Only test mastic for PCBs at this time.	ND																					
D61	Stair Tread Material	Stair Tread Material	Brown		1 & 2	West Stairs	122	sq. ft.			5087																								
D62	Adhesive	Stair Tread Adhesive	associated with D61		Multiple	1 Room	122	sq. ft.	2					ND result in Bldg D Positive in other Bldgs																				PCB Bulk Product	
D62	Adhesive	Stair Tread Adhesive	associated with D61	black	1 & 2	West Stairs	122	sq. ft.	2		5087				unpainted concrete	1st tread above mid landing	two (2) samples collected.	210119.D62.109-0503	190																
D62	Adhesive	Stair Tread Adhesive	associated with D61	black	1 & 2	West Stairs	122	sq. ft.	2		5087				unpainted concrete	1st tread above mid landing	two (2) samples collected.	210119.D62.109-0504	270				210318.D62.127-1115 0.53 Aroclor-1254 [2]	210318.D62.127-1116 NA											
D63	Resilient Sheet Flooring	Resilient Sheet Flooring	orange/red gravel pattern		Multiple	1 Room	286	sq. ft.	0					ACM >1% Previously Sampled																					
D63	Resilient Sheet Flooring	Resilient Sheet Flooring	orange/red gravel pattern		1 & 2	West Stairs	286	sq. ft.			5086						Asbestos containing sheet flooring.																		
D64	Adhesive	Adhesive associated with resilient sheet flooring	associated with D63		Multiple	1 Room	286	sq. ft.	2				Limited material*	Not Sampled assumed asbestos																				TBD	
D64	Adhesive	Adhesive associated with resilient sheet flooring	associated with D63		1 & 2	West Stairs	286	sq. ft.	2		5086						VOID - Asbestos containing sheet flooring. No sample collected.	VOID																	
D65	Vinyl Floor Tile	12" Tile	12" x 12" Cream with Brown, Rust and White		Multiple	1 Room	84	sq. ft.	0				Only test mastic for PCBs at this time. *	ND result in Bldg. D Positive in other Bldgs. ACM >1%																					
D65	Vinyl Floor Tile	12" Tile	12" x 12" Cream with Brown, Rust and White		1 & 2	West Stairs	84	sq. ft.		mid landing only	5087																								
D66	Mastic	12" Tile Mastic	associated with D65		Multiple	1 Room	84	sq. ft.	2				*	6% Chrysotile																				PCB Bulk Product	
D66	Mastic	12" Tile Mastic	associated with D65	black	1 & 2	West Stairs	84	sq. ft.	2	mid landing only	5087				unpainted concrete	mid landing, west center section mid landing, east center section	two (2) samples collected.	210119.D66.109-0508	74																
D66	Mastic	12" Tile Mastic	associated with D65	black	1 & 2	West Stairs	84	sq. ft.	2	mid landing only	5087				unpainted concrete	mid landing, west center section mid landing, east center section	two (2) samples collected.	210119.D66.109-0509	118				210318.D66.127-1113 ND	210318.D66.127-1114 NA											
D67	Vinyl Floor Tile	9" Tile	9" x 9" Dark Grey with White Streaks		Multiple	1 Rooms	27	sq. ft.	0				Only test mastic for PCBs at this time. *	ACM >1% Previously Sampled																					
D67	Vinyl Floor Tile	9" Tile	9" x 9" Dark Grey with White Streaks		1 & 2	West Stairs	27	sq. ft.			-																								
D68	Mastic	9" Tile Mastic	associated with D67		Multiple	1 Rooms	27	sq. ft.	2				Previously sampled	ND																				PCB Bulk Product	
D68	Mastic	9" Tile Mastic	associated with D67	black	1 & 2	West Stairs	27	sq. ft.	2	2nd Floor, at doors to Bldg F only	-				unpainted concrete & floor leveling agent	2nd Floor, at west door	two (2) samples collected.	210122.D68.112-0700	130				210318.D68.127-1117 ND	210318.D68.127-1118 NA											
D68	Mastic	9" Tile Mastic	associated with D67	black	1 & 2	West Stairs	27	sq. ft.	2	2nd Floor, at doors to Bldg F only	-				unpainted concrete & floor leveling agent	2nd Floor, at west door	two (2) samples collected.	210122.D68.112-0701	120																
D69	Covebase	4" Covebase	4" Brown		Multiple	1 Rooms	2	sq. ft.	0				Only test mastic for PCBs at this time.	ND																					
D69	Covebase	4" Covebase	4" Brown		1 & 2	West Stairs	2	sq. ft.			5085																								
D70	Adhesive	4" Covebase Adhesive	associated with D69		Multiple	1 Rooms	2	sq. ft.	2					ND																				PCB Bulk Product	
D70	Adhesive	4" Covebase Adhesive	associated with D69	brown	1 & 2	West Stairs	2	sq. ft.	2		5085				painted metal	2nd Floor, west door sidelight infill	two (2) samples collected. paint inseparable.	210119.D70.109-0506	120																
D70	Adhesive	4" Covebase Adhesive	associated with D69	brown	1 & 2	West Stairs	2	sq. ft.	2		5085				painted metal	2nd Floor, west door sidelight infill	two (2) samples collected. paint inseparable.	210119.D70.109-0507	190																
D71	Gypsum Wall Board (newer painted)	Gypsum Wall Board (newer painted)	newer		Multiple	5 Rooms		sq. ft.	0				TBD	ND																					
D71	Gypsum Wall Board	Gypsum Wall Board (newer painted)	-		1	104																													
D71	Gypsum Wall Board	Gypsum Wall Board	-		1	104A																													
D71	Gypsum Wall Board	Gypsum Wall Board	-		1	104B																													
D71	Gypsum Wall Board (newer painted)	Gypsum Wall Board (newer painted)	newer		2	East Stairs																													
D71	Gypsum Wall Board (newer painted)	Gypsum Wall Board (newer painted)	newer		1	East Stairs																													
D72	Joint Compound	Joint Compound	-		Multiple	5 Rooms		sq. ft.	0				No samples at this time	ND																					
D72	Joint Compound	Joint Compound	-		1	104																													
D72	Joint Compound	Joint Compound	-		1	104A																													
D72	Joint Compound	Joint Compound	-		1	104B																													
D72	Joint Compound	Joint Compound	-		2	East Stairs																													
D72	Joint Compound	Joint Compound	-		1	East Stairs																													
D73	Composite	Composite of joint compound and gypsum wall board	of D71 and D72		Multiple	5 Rooms		sq. ft.	0				No samples at this time	NA																					
D73	Composite	Composite of joint compound and gypsum wall board	of D71 and D72		1	104																													
D73	Composite	Composite of joint compound and gypsum wall board	of D71 and D72		1	104A																													
D73	Composite	Composite of joint compound and gypsum wall board	of D71 and D72		1	104B																													
D73	Composite	Composite of joint compound and gypsum wall board	of D71 and D72		2	East Stairs																													
D73	Composite	Composite of joint compound and gypsum wall board	of D71 and D72		1	East Stairs																													
D74	Vinyl Floor Tile	9" Tile	9" x 9" Light Gray with black and white markings		1	2 Rooms	1086	sq. ft.	0				Only test mastic for PCBs at this time. *	6% Chrysotile																					
D74	Vinyl Floor Tile	9" Tile	9" x 9" Light Gray with black and white markings		1	106	952	sq. ft.			502	300																							
D74	Vinyl Floor Tile	9" Tile	9" x 9" Light Gray with black and white markings		1	108	134	sq. ft.			502																								
D75	Mastic	9" Tile Mastic	associated with D74		1	2 Rooms	1086	sq. ft.	2					ND																				PCB Bulk Product	
D75	Mastic	9" Tile Mastic	associated with D74	black	1	106	952	sq. ft.	1		502	300			unpainted concrete	northwest section	one (1) sample collected.	210114.D75.107-0420	2000																
D75	Mastic	9" Tile Mastic	associated with D74	black	1	106	952	sq. ft.	DUP		502	300			unpainted concrete	northwest section	one (1) duplicate sampel collected.	210114.D75.107-0421	4500																
D75	Mastic	9" Tile Mastic	associated with D74	black	1	108	134	sq. ft.	1		502				unpainted concrete	south center section	one (1) sample collected.	210114.D75.107-0423	13000	211802.D75.121-1002 0.62 Aroclor-1254[1]	211802.D75.121-1003 0.12 Aroclor-1254[2]	211802.D75.121-1028 0.095 Aroclor-1254[2]													
D76	Sink Undercoating	Sink Undercoating	5 Sinks	tan	1	2 Rooms	36	sq. ft.	2				*	2% Chrysotile																				TBD	
D76	Sink Undercoating	Sink Undercoating	5 Sinks	tan	1	106	30	sq. ft.	1		506	300			stainless steel double bay sink	south wall, west sink	one (1) sample collected.	210114.D76.107-0419	14															Potentially Excluded PCB Product	
D76	Sink Undercoating	Sink Undercoating	1 Sink	tan	1	108	6	sq. ft.	1		506				stainless steel, double bay sink	sink at west wall	one (1) sample collected.	210114.D76.107-0422	77															PCB Bulk Product	

Building D - Bulk and Substrate Building Material Sampling Summary

Homogeneous Material	Material Type	MaterialCategory	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m^3)	Comments	Asbestos Results %	Substrate Indicate if Painted or Unpainted	Specific Sample Location	ATC Comments	Sample ID Number (Date . H# . Photo ID #)	Total PCB Aroclor Results (ppm)	Substrate 1/4" Depth Sample ID and Results (ppm)	Substrate 1/4" - 3/4" Depth Sample ID and Results (ppm)	Substrate 3/4" - 1 1/4" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ATC Comments	Waste Category	Legend
D78	Flex Connector	Duct Seam Sealant	associated with ductwork		1	1 Room		sq. ft.	0					50% Chrysotile																					
D78	Flex Connector	Duct Seam Sealant	associated with ductwork		1	108																													
D79	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Pits and Pinholes		1	2 Rooms	1064	sq. ft.	2					ND																				PCB Remedial Waste	
D79	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Pits and Pinholes		1	101	722	sq. ft.	1		477				suspended metal grid	west center section	one (1) sample collected.	210114.D79.107-0401	1.86																
D79	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Pits and Pinholes		1	Hallway	342	sq. ft.	1		477				suspended metal grid	west end, outside Room D101	one (1) sample collected.	210114.D79.107-0400	8																
D80	Grout	Grout associated with 4" ceramic wall tile	associated with ceramic wall tile 4" yellow	white	1	1 Room	21	sq. ft.	0				*	Trace <1% Chrysotile																					
D80	Grout	Grout associated with 4" ceramic wall tile	associated with ceramic wall tile 4" yellow	white	1	Hallway	21	sq. ft.			-																								
D81	Adhesive	Adhesive associated with grout associated with 4" cermaic wall tile	associated with D80		1	1 Room	21	sq. ft.	2				*	Trace <1% Chrysotile																				TBD	
D81	Adhesive	Adhesive associated with grout associated with 4" cermaic wall tile	associated with D80		1	Hallway	21	sq. ft.	1		-					north wall, at water fountain	VOID - no adhesive observed. Mortar bed only.	VOID - See Photo # 107-0397																	
D84	Window Caulking	Window Caulking	Metal casing to metal sill	tan	Multiple	2 Rooms	18	ln. ft.	0				Previously Sampled - PCB D84A 8 ppm	ND																					
D84	Window Caulking	Window Caulking	Metal casing to metal sill	tan	2	East Stairs	13.5	ln. ft.			517																								
D84	Window Caulking	Window Caulking	Metal casing to metal sill	tan	1 & 2	West Stairs	4.5	ln. ft.			5088																								
D85	Window Glazing	Window Glazing	associated with D84		Multiple	2 Rooms	96	ln. ft.	2					ND Positive on the Exterior																				PCB Bulk Product	
D85	Window Glazing	Window Glazing	associated with D84	white	2	East Stairs	72	ln. ft.	1		517				painted metal frame to glass	south wall, center window	one (1) sample collected. painted inseparable.	210115.D85.108-0480	33																
D85	Window Glazing	Window Glazing	associated with D84		1 & 2	West Stairs	24	ln. ft.	1		5088				painted metal to glass pane	south wall, window at mid landing	one (1) sample collected. paint inseparable.	210119.D85.109-0512	352																
D86	Adhesive	Homasote Board Adhesive	associated with Homasote Board		2	2 Rooms	156	sq. ft.	2				*	5% Chrysotile																				Potentially Excluded PCB Product	
D86	Adhesive	Homasote Board Adhesive	associated with Homasote Board	brown	2	201	78	sq. ft.	1		560				painted CMU	north wall, east end	one (1) sample collected.	210115.D86.108-0445	2.61												210318.D86.127-1125 ND	210318.D86.127-1126 NA			
D86	Adhesive	Homasote Board Adhesive	associated with Homasote Board	dark brown	2	204	78	sq. ft.	1		560				painted CMU	south wall, west section	one (1) sample collected.	210115.D86.108-0455	7.8																
D86	Adhesive	Homasote Board Adhesive	associated with Homasote Board	dark brown	2	204	78	sq. ft.	DUP		560				painted CMU	south wall, west section	one (1) sample collected.	210115.D86.108-0456	8.9																
D87	Window Glazing	Window glazing associated with upper windows	associated with upper windows	gray	Multiple	9 Rooms		ln. ft.	0				Previously Sampled - PCB D87A 47.6 ppm	2% Chrysotile																					
D87	Window Glazing	Window glazing associated with upper windows	associated with upper windows	gray	1	101	30	ln. ft.			476																								
D87	Window Glazing	Window glazing associated with upper windows	associated with upper windows	gray	2	200	30	ln. ft.			476	140																							
D87	Window Glazing	Window glazing associated with upper windows	associated with upper windows	gray	2	201	30	ln. ft.			476																								
D87	Window Glazing	Window glazing associated with upper windows	associated with upper windows	gray	2	202	30	ln. ft.			476																								
D87	Window Glazing	Window glazing associated with upper windows	associated with upper windows	gray	2	203	30	ln. ft.			476	89																							
D87	Window Glazing	Window glazing associated with upper windows	associated with upper windows	gray	2	204	30	ln. ft.			476																								
D87	Window Glazing	Window glazing associated with upper windows	associated with upper windows	gray	2	205	30	ln. ft.			476																								
D87	Window Glazing	Window glazing associated with upper windows	associated with upper windows	gray	2	205A	30	ln. ft.			476																								
D87	Window Glazing	Window glazing associated with upper windows	associated with upper windows	gray	2	206	30	ln. ft.			476	82																							
D88	Window Glazing	Window Glazing associated with breezeway windows	Breezeways Windows	gray	-	1 Rooms		sq. ft.	2				*	5% Chrysotile																				Potentially Excluded PCB Product	
D88	Window Glazing	Window Glazing associated with breezeway windows	metal casing to glass pane	gray	-	Breezeways			2	Throughout all Breezeways	-				painted metal to glass pane	1st Floor breezeway, west center section 2nd Floor breezeway, east center section	two (2) samples collected. paint inseparable.	210119.D88.109-0484	6.1																
D88	Window Glazing	Window Glazing associated with breezeway windows	metal casing to glass pane	gray	-	Breezeways			2	Throughout all Breezeways	-				painted metal to glass pane	1st Floor breezeway, west center section 2nd Floor breezeway, east center section	two (2) samples collected. paint inseparable.	210119.D88.109-0488	8.2																
D2000	Caulking Material	Caulking Material	CMU to Plaster Wall	gray	Multiple	13 Rooms	288	lnft	7					2% Chrysotile																				PCB Bulk Product	
D2000	Caulking Material	Caulking Material	CMU to Plaster Wall	gray	1	101	24	lnft	1	northeast and northwest corners	492				painted plaster to painted CMU	northwest corner	one (1) sample collected. Paint inseparable.	210114.D2000.107-0403	27.3																
D2000	Caulking Material	Caulking Material	CMU to Plaster Wall	gray	1	102	24	lnft	1	southeast and southwest corners	492	150			painted CMU to painted plaster	southeast corner	one (1) sample collected. paint inseparable.	210114.D2000.107-0405	56.5																
D2000	Caulking Material	Caulking Material	CMU to Plaster Wall	gray	1	104	24	lnft		southeast and southwest corners	492																								
D2000	Caulking Material	Caulking Material	CMU to Plaster Wall	gray	1	106			1	southeast and southwest corners		300	ON HOLD		painted CMU to painted plaster	southeast corner	ON HOLD - one (1) sample collected.	210114.D2000.107-0430																	
D2000	Caulking Material	Caulking Material	CMU to Plaster Wall	gray	2	200	24	lnft	1	southeast and southwest corners	492	140			painted CMU to painted plaster	southeast corner	one (1) sample collected. Paint inseparable.	210115.D2000.108-0440	68						210318.D2000.127-1119 2.32 Aroclor-1242 [2], Aroclor-1254 [1]	210318.D2000.127-1120 5.7 Aroclor-1248 [1], Aroclor-1254 [1]					210318.D2000.127-1121 3.3 Aroclor-1248 [1], Aroclor-1254 [1]	210318.D2000.127-1122 2.35 Aroclor-1248 [2], Aroclor-1254 [1]			
D2000	Caulking Material	Caulking Material	CMU to Plaster Wall	gray	2	201	24	lnft		northeast and northwest corners	492																								
D2000	Caulking Material	Caulking Material	CMU to Plaster Wall	gray	2	202	24	lnft		southeast and southwest corners	492																								
D2000	Caulking Material	Caulking Material	CMU to Plaster Wall	gray	2	203	24	lnft	1	northeast and northwest corners	492	89			painted CMU to painted plaster	northwest corner	one (1) sample collected.	210115.D2000.108-0452	48																
D2000	Caulking Material	Caulking Material	CMU to Plaster Wall	gray	2	204	24	lnft		southeast and southwest corners	492																								
D2000	Caulking Material	Caulking Material	CMU to Plaster Wall	gray	2	205	24	lnft	1	northwest corners	492						Sample collected from Room D205A, not Room D205.	VOID																	
D2000	Caulking Material	Caulking Material	CMU to Plaster Wall	gray	2	205A	24	lnft		northeast corners	492				painted cmu to painted plaster	northeast corner	one (1) sample collected. paint inseparable.	210115.D2000.108-0457	43																
D2000	Caulking Material	Caulking Material	CMU to Plaster Wall	gray	2	206	24	lnft	1	southeast and southwest corners	492	82			painted CMU to painted plaster	southeast corner	one (1) sample collected. Paint inseparable.	210115.D2000.108-0459	47																
D2000	Caulking Material	Caulking Material	CMU to Plaster Wall	gray	2	208E	24	lnft		southeast and southwest corners	492																								
D2001	Vinyl Floor Tile	12" Tile	12" x 12" white w/ green and maroon		1	1 Room	69	sq. ft.	0					ND																					
D2001	Vinyl Floor Tile	12" Tile	12" x 12" white w/ green and maroon		1	110	69	sq. ft.																											
D2002	Mastic	12" Tile Mastic	associated with Vinyl Floor Tile, 12" x 12" white w/ green and maroon		1	1 Room	69	sq. ft.	2					ND																				PCB Bulk Product	
D2002	Mastic	12" Tile Mastic	associated with Vinyl Floor Tile, 12" x 12" white w/ green and maroon	yellow/ black	1	110	69	sq. ft.	2				ON HOLD		unpainted concrete	south center section	two (2) samples collected.	210114.D2002.107-0431																	
D2002	Mastic	12" Tile Mastic	associated with Vinyl Floor Tile, 12" x 12" white w/ green and maroon	yellow/ black	1	110	69	sq. ft.	2						unpainted concrete	south center section	two (2) samples collected.	210119.D2002.109-0485	740				210318.D2002.127-1105 1.6 Aroclor-1254 [2]	210318.D2002.127-1106 ND											
D2003	Adhesive	Adhesive associated with lockers	associated with lockers		Multiple	2 Rooms		sq. ft.	2					VOID																				TBD	
D2003	Adhesive	Adhesive associated with lockers	associated with lockers		1	Hallway			1								VOID - no adhesive observed.	VOID																	
D2003	Adhesive	Adhesive associated with lockers	associated with lockers		2	Hallway			1								VOID - no adhesive observed.	VOID - See Photo #109-0495																	
D2004	Adhesive	Bulletin Board/Chalkbaord/Blackboard Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	8 Rooms		sq. ft.	3					2% Anthophyllite																				Potentially Excluded PCB Product	
D2004	Adhesive	Bulletin Board/Chalkbaord/Blackboard Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	201																													
D2004	Adhesive	Bulletin Board/Chalkbaord/Blackboard Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	202																													
D2004	Adhesive	Bulletin Board/Chalkbaord/Blackboard Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	204																													
D2004	Adhesive	Bulletin Board/Chalkbaord/Blackboard Adhesive	associated with Chalkboard/Blackboard/Bulletin Board		2	205																													
D2004	Adhesive	Bulletin Board/Chalkbaord/Blackboard Adhesive	associated with Chalkboard/Blackboard/Bulletin Board	dark brown	2	200			1			140			unpainted plaster	west wall, center section	one (1) sample collected.	210115.D2004.108-0446	4.64						210318.D2004.127-1123 0.70 Aroclor-1254 [2]	-			-	Not Sampled			GWB assumed behind plaster	4.64	
D2004	Adhesive	Bulletin Board/Chalkbaord/Blackboard Adhesive	associated with Chalkboard/Blackboard/Bulletin Board	dark brown	2	200			DUP			140			unpainted plaster	west wall, center section	one (1) duplicate sample collected.	210115.D2004.108-0447	3.27															3.27	
D2004	Adhesive	Bulletin Board/Chalkbaord/Blackboard Adhesive	associated with Chalkboard/Blackboard/Bulletin Board	dark brown	2	203			1			89			unpainted plaster and unpainted wood spacers	east wall, north section	one (1) sample collected. Sample collected off from unpainted wood spacer.	210115.D2004.108-0453	1.9															1.9	
D2004	Adhesive	Bulletin Board/Chalkbaord/Blackboard Adhesive	associated with Chalkboard/Blackboard/Bulletin Board	dark brown	2	206			1			82			unpainted plaster	east wall, north section	one (1) sample collected.	210115.D2004.108-0465	4.1															4.1	
D2005	Adhesive	Adhesive associated with Pressed Board	associated with Pressed Board (Peg Board)		2	1 Room								VOID																				TBD	
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black										ND																					
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	101				assumed thoughout																									
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	102				assumed thoughout																									
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	102A				assumed thoughout																									
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	102B				assumed thoughout																									
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	104				assumed thoughout																									
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	104A				assumed thoughout																									
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	104B				assumed thoughout																									
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	106				assumed thoughout																									
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	107				assumed thoughout																									
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	107A				assumed thoughout																									
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	107B				assumed thoughout																									
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	108				assumed thoughout					soil under concrete slab	south center section	one (1) sample collected	210223.D2050.137-1340	2.5																
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	109				assumed thoughout																									
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	109A				assumed thoughout																									
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	110				assumed thoughout																									
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	Hallway				assumed thoughout																									
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	East Stairs				assumed thoughout																									
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	West Stairs				assumed thoughout																									
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	201				assumed thoughout					soil under concrete slab	south center section	one (1) sample collected	210223.D2050.137-1341	0.53																
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	203				assumed thoughout																									
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	205				assumed thoughout																									
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	205A				assumed thoughout																									
D2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	205B				assumed thoughout																									
D2051	Vapor Barrier	Vapor Barrier	Vapor Barrier, behind brick exterior	black	Exterior	Exterior								ND																					
D2051	Vapor Barrier	Vapor Barrier	Vapor Barrier, behind brick exterior	black	Exterior	Exterior				assumed thoughout					Brick, Concrete and Foam Board Insulation	north elevation, west section	one (1) sample collected	210723.D2051.140-1349	34																
D2052	Vapor Barrier	Vapor Barrier	Vapor Barrier, behind brick exterior	black	Exterior	Exterior				assumed thoughout					Brick, Concrete and Foam Board Insulation	north elevation, west section	one (1) sample collected	210723.D2051.140-1350	5.1																

Building E - Bulk and Substrate Material Sampling Summary

Homogeneous Material	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m3)	Comments	Asbestos Results %	Substrate Indicate if Painted or unpainted	Specific Sample Location	ATC Comments	Sample ID Number(Date . H# . Photo ID #)	Total PCB Aroclor Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ATC Comments	Proposed Waste Characterization
																				Wood		Concrete		Plaster		Gypsum Wall Board (GWB)		Concrete Masonry Unit (CMU)			
E03	Rood Deck Material	Rood Deck Material	Tectum Roof Deck Material		3	10	5258	sqft	0					ND																	
E03	Rood Deck Material	Rood Deck Material	Tectum Roof Deck Material		3	301	773	sqft		throughout	5504	54																			
E03	Rood Deck Material	Rood Deck Material	Tectum Roof Deck Material		3	302	1106	sqft		throughout	5504																				
E03	Rood Deck Material	Rood Deck Material	Tectum Roof Deck Material		3	303	701	sqft		throughout	5504																				
E03	Rood Deck Material	Rood Deck Material	Tectum Roof Deck Material		3	304	1057	sqft		throughout	5504	100, 110																			
E03	Rood Deck Material	Rood Deck Material	Tectum Roof Deck Material		3	305	770	sqft		throughout	5504																				
E03	Rood Deck Material	Rood Deck Material	Tectum Roof Deck Material		3	306	495	sqft		throughout	5504																				
E03	Rood Deck Material	Rood Deck Material	Tectum Roof Deck Material		3	308	41	sqft		throughout	5504																				
E03	Rood Deck Material	Rood Deck Material	Tectum Roof Deck Material		3	302A	124	sqft		throughout	5504																				
E03	Rood Deck Material	Rood Deck Material	Tectum Roof Deck Material		3	304A	146	sqft		throughout	5504																				
E03	Rood Deck Material	Rood Deck Material	Tectum Roof Deck Material		3	308A	45	sqft		throughout	5504																				
E06/83	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		Multiple	17	5110	sqft	5				Not mastic	ND																	TBD
E06/83	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	101	300	sqft		throughout	5518																				
E06/83	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	102	256	sqft		1/2 throughout	5518																				
E06/83	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	104	753	sqft	1	throughout	5518	67			Suspended Metal Grid	East Center Section	One (1) sample collected. Material same as E07. "DS Safetone" printed on backside of tile. See photo #118-0886 for backside of suspended ceiling tile.	210201.E06.118-0870	0.51												Not regulated
E06/83	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	203	692	sqft		throughout	5518																				
E06/83	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2	205	758	sqft	1	throughout	5518				suspended metal grid	North Center Section	one (1) sample collected.	210202.E06.119-0931	ND												Not Regulated
E06/83	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		3	301	38	sqft	1	south section only	5518	54			suspended metal grid	South Center Section	one (1) sample collected. "DS Safetone" printed on backside of tile.	210202.E06.119-0941	4.1												PCB Remedial Waste
E06/83	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		3	302	19	sqft		north section only	5518																				
E06/83	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		3	303	38	sqft		south section only	5518																				
E06/83	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		3	310	852	sqft	1	throughout	5518	78			Suspended metal grid	East center section	one (1) sample collected. "DS Safetone" printed on backside of tile.	210203.E06.120-0956	0.62												Not Regulated
E06/83	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	104A	84	sqft		throughout	5518																				
E06/83	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	104B	99	sqft		throughout	5518																				
E06/83	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	106 Ramp	294	sqft		throughout	5518																				
E06/83	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	106A	79	sqft		throughout	5518																				
E06/83	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		3	310D	128	sqft		throughout	5518																				
E06/83	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1, 2 & 3	East Stairwell	230	sqft		throughout 3rd floor only	5518																				
E06/83	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		1	Hallway	352	sqft	1	throughout	5518		Analytical report "210201.E06.118-0981"		suspended metal grid	Center section	one (1) sample collected.	210201.E06.118-0891	ND												Not Regulated
E06/83	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Deep Fissures		2 & 3	West Stair	138	sqft		throughout 3rd floor	5518																				
E07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Less Dense		Multiple	10	4188	sqft	4					ND																	TBD
E07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Less Dense		1	101	91	sqft		patch	5347																				
E07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Less Dense		1	104	16	sqft	1	patch	5347	67			Suspended Metal Grid	East Center Section	One (1) sample collected. Material same as E06. "DS Safetone" printed on backside of tile.	210201.E07.118-0871	ND												Not regulated
E07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Less Dense		2	201	773	sqft	1	throughout	5347	70			suspended metal grid	Near south wall, east section	one (1) sample collected. "DS Safetone" printed on backside of tile.	210201.E07.118-0907	12												PCB Remedial Waste
E07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Less Dense		2	205	12	sqft		patch	5347																				
E07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Less Dense		2	207	293	sqft		throughout	5347																				
E07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Less Dense		1	106 Ramp	98	sqft		throughout	5347																				
E07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Less Dense		1	Hallway	117	sqft		throughout	5347																				
E07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Less Dense		2	Hallway	1520	sqft	1	throughout	5347				Suspended metal grid	at entry to room E205	one (1) sample collected. Material same as E06 suspended ceiling tile.	210202.E07.119-0936	ND												Not Regulated
E07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Less Dense		3	Hallway	1130	sqft	1	throughout	5347				suspended metal grid	near entry to E308	one (1) sample collected. "USG Interiors" printed on backside of tile.	210202.E07.119-0950	0.18												Not Regulated
E07	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Textured Less Dense		2 & 3	West Stair	138	sqft		throughout 3rd floor	5347																				
E08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		Multiple	11			0				TBD	ND																	
E08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		1	104	-					67																			
E08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		2	201	-					70																			
E08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		2	203	-																								
E08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		3	301	-					54																			
E08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		3	302	-																								
E08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		3	303	-																								
E08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		3	304	-					100, 110																			
E08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		3	305	-																								
E08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		3	304A																									
E08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		2	Hallway	-																								
E08	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		3	Hallway	-																								
E09	Joint Compound	Joint Compound	Joint Compound		Multiple	12			0				Not mastic.	ND																	
E09	Joint Compound	Joint Compound	Joint Compound		1	104	-					67																			
E09	Joint Compound	Joint Compound	Joint Compound		2	201	-					70																			
E09	Joint Compound	Joint Compound	Joint Compound		2	203	-																								
E09	Joint Compound	Joint Compound	Joint Compound		3	301	-					54																			
E09	Joint Compound	Joint Compound	Joint Compound		3	302	-																								
E09	Joint Compound	Joint Compound	Joint Compound		3	303	-																								
E09	Joint Compound	Joint Compound	Joint Compound		3	304	-					100, 110																			
E09	Joint Compound	Joint Compound	Joint Compound		3	305	-																								
E09	Joint Compound	Joint Compound	Joint Compound		3	306	-																								
E09	Joint Compound	Joint Compound	Joint Compound		3	304A																									
E09	Joint Compound	Joint Compound	Joint Compound		2	Hallway	-																								
E09	Joint Compound	Joint Compound	Joint Compound		3	Hallway	-																								
E11	Covebase	4" Covebase	4" black, large foot (original)		Multiple	18	556	sqft	0				Only test mastic for PCBs at this time.	ND																	
E11	Covebase	4" Covebase	4" black, large foot (original)		1	101	20	sqft		throughout	5533																				
E11	Covebase	4" Covebase	4" black, large foot (original)		2	201	36	sqft		throughout	5533	70																			
E11	Covebase	4" Covebase	4" black, large foot (original)		2	203	35	sqft		throughout	5533																				
E11	Covebase	4" Covebase	4" black, large foot (original)		2	204	8	sqft		throughout	5533																				
E11	Covebase	4" Covebase	4" black, large foot (original)		2	207	30	sqft		throughout	5533																				
E11	Covebase	4" Covebase	4" black, large foot (original)		3	302	43	sqft		throughout	5533																				
E11	Covebase	4" Covebase	4" black, large foot (original)		3	303	36	sqft		throughout	5533																				
E11	Covebase	4" Covebase	4" black, large foot (original)		3	305	36	sqft		throughout	5533																				
E11	Covebase	4" Covebase	4" black, large foot (original)		3	308	6	sqft		throughout	5533																				
E11	Covebase	4" Covebase	4" black, large foot (original)		1	104A	12	sqft		throughout	5533																				
E11	Covebase	4" Covebase	4" black, large foot (original)		1	104B	14	sqft		throughout	5533																				
E11	Covebase	4" Covebase	4" black, large foot (original)		1	106 Ramp	26	sqft		throughout	5533																				
E11	Covebase	4" Covebase	4" black, large foot (original)		2	204A	13	sqft		throughout	5533																				
E11	Covebase	4" Covebase	4" black, large foot (original)		3	302A	15	sqft		throughout	5533																				
E11	Covebase	4" Covebase	4" black, large foot (original)		3	310B	4	sqft		throughout	5533																				
E11	Covebase	4" Covebase	4" black, large foot (original)		3	310D	14	sqft		throughout	5533																				
E11	Covebase	4" Covebase	4" black, large foot (original)		2	Hallway	116	sqft		throughout	5533																				
E11	Covebase	4" Covebase	4" black, large foot (original)		3	Hallway	92	sqft		throughout	5533																				
E12	Adhesive	4" Covebase Adhesive	associated with E11		Multiple	18	556	sqft	3					ND																	Potentially Excluded PCB Product
E12	Adhesive	4" Covebase Adhesive	associated with E11		1	101	20	sqft		throughout	5533																				
E12	Adhesive	4" Covebase Adhesive	associated with E11		2	201	36	sqft	1	throughout	5533	70			Painted Metal	South wall, door sidelight.	one (1) sample collected. Paint inseparable.	210201.E12.118-0908	30												
E12	Adhesive	4" Covebase Adhesive	associated with E11		2	203	35	sqft		throughout	5533																				
E12	Adhesive	4" Covebase Adhesive	associated with E11		2	204	8	sqft		throughout	5533																				
E12	Adhesive	4" Covebase Adhesive	associated with E11		2	207	30	sqft		throughout	5533																				
E12	Adhesive	4" Covebase Adhesive	associated with E11		3	302	43	sqft	1	throughout	5533				Painted Plaster	East wall, north section	One (1) sample collected. Yellow over residual brown adhesive. Layers inseparable.	210202.E12.119-0946	28.2					210326.E12.131-1212 0.48 Aroclor-1248 [1], Aroclor-1254 [1]	-	-	210326.E12.131-1213 NA			GWB behind plaster	
E12	Adhesive	4" Covebase Adhesive	associated with E11		3	302	43	sqft	DUP	throughout	5533				Painted Plaster	East wall, north section	One (1) duplicate sample collected. Yellow over residual brown adhesive. Layers inseparable.	210202.E12.119-0947	37.9												
E12	Adhesive	4" Covebase Adhesive	associated with E11		3	303	36	sqft		throughout	5533																				
E12	Adhesive	4" Covebase Adhesive	associated with E11		3	305	36	sqft		throughout	5533																				
E12	Adhesive	4" Covebase Adhesive	associated with E11		3	308	6	sqft		throughout	5533																				
E12	Adhesive	4" Covebase Adhesive	associated with E11		1	104A	12	sqft		throughout	5533																				
E12	Adhesive	4" Covebase Adhesive	associated with E11		1	104B	14	sqft		throughout	5533																				
E12	Adhesive	4" Covebase Adhesive	associated with E11		1	106 Ramp	26	sqft		throughout	5533																				
E12	Adhesive	4" Covebase Adhesive	associated with E11		2	204A	13	sqft		throughout	5533																				
E12	Adhesive	4" Covebase Adhesive	associated with E11		3	302A	15	sqft		throughout	5533																				
E12	Adhesive	4" Covebase Adhesive	associated with E11		3	310B	4	sqft		throughout	5533																				
E12	Adhesive	4" Covebase Adhesive	associated with E11		3	310D	14	sqft		throughout	5533																				
E12	Adhesive	4" Covebase Adhesive	associated with E11		2	Hallway	116	sqft	1	throughout	5533			ND	painted plaster	At east entry to E206	one (1) sample collected.	210202.E12.119-0937	6.6												
E12	Adhesive	4" Covebase Adhesive	associated with E11		3	Hallway	92	sqft		throughout	5533																				
E13	Plaster	Plaster	Plaster		Multiple	39		sqft	0				TBD	ND (Previous Sampling Prior to Apr. 2020 Report)																	
E13	Plaster	Plaster	Plaster		1	101	-																								
E13	Plaster	Plaster	Plaster		1	102	-																								
E13	Plaster	Plaster	Plaster		1	104	-					67																			
E13	Plaster	Plaster	Plaster		1	108	-																								
E13	Plaster	Plaster	Plaster		2	200	-																								
E13	Plaster	Plaster	Plaster		2	201	-					70																			
E13	Plaster	Plaster	Plaster		2	202	-																								
E13	Plaster	Plaster	Plaster		2	203	-																								
E13	Plaster	Plaster	Plaster		2	204	-																								

Legend

(green)	Not Regulated
(yellow)	TBD
(orange)	PCB Remedial Waste
(dark orange)	Potentially Excluded PCB Product (EPP)
(red)	PCB Bulk Products
*	Proposed Substrate Sample Location
(light green)	=Denotes homogeneous material
(blue)	= Denotes proposed sample location
(cream)	= Denotes Duplicate Sample Collected
ND	= None Detect
NA	= Not Analyzed

Building E - Bulk and Substrate Material Sampling Summary

Homogeneous Material #	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling Septmember 2020 Results (ng/m3)	Comments	Asbestos Results %	Substrate Indicate if Painted or unpainted	Specific Sample Location	ATC Comments	Sample ID Number(Date - HA# - Photo ID #)	Total PCB Aroclor Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ATC Comments	Proposed Waste Characterization	Legend
E13	Plaster	Plaster	Plaster		2	205	-																								
E13	Plaster	Plaster	Plaster		2	206	-					58																			
E13	Plaster	Plaster	Plaster		2	207	-																								
E13	Plaster	Plaster	Plaster		3	301	-					54																			
E13	Plaster	Plaster	Plaster		3	302	-																								
E13	Plaster	Plaster	Plaster		3	303	-																								
E13	Plaster	Plaster	Plaster		3	304	-					100, 110																			
E13	Plaster	Plaster	Plaster		3	305	-																								
E13	Plaster	Plaster	Plaster		3	306	-																								
E13	Plaster	Plaster	Plaster		3	308	-																								
E13	Plaster	Plaster	Plaster		3	310	-					78																			
E13	Plaster	Plaster	Plaster		1	104A	-																								
E13	Plaster	Plaster	Plaster		1	104B	-																								
E13	Plaster	Plaster	Plaster		1	104C	-																								
E13	Plaster	Plaster	Plaster		1	100 Ramp	-																								
E13	Plaster	Plaster	Plaster		1	105A	-																								
E13	Plaster	Plaster	Plaster		2	204A	-																								
E13	Plaster	Plaster	Plaster		3	302A	-																								
E13	Plaster	Plaster	Plaster		3	304A	-																								
E13	Plaster	Plaster	Plaster		3	308A	-																								
E13	Plaster	Plaster	Plaster		3	310A	-																								
E13	Plaster	Plaster	Plaster		3	314A	-																								
E13	Plaster	Plaster	Plaster		3	314B	-																								
E13	Plaster	Plaster	Plaster		3	310C	-																								
E13	Plaster	Plaster	Plaster		3	310D	-																								
E13	Plaster	Plaster	Plaster		1, 2 & 3	East Stairwell	-																								
E13	Plaster	Plaster	Plaster		1	Hallway	-																								
E13	Plaster	Plaster	Plaster		2	Hallway	-																								
E13	Plaster	Plaster	Plaster		3	Hallway	-																								
E13	Plaster	Plaster	Plaster		2 & 3	West Stair	-																								
E14	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures (newer)		2	2002	sqft	3						ND																	Not Regulated
E14	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures (newer)		2	200	1300	sqft	1	throughout	5421					suspended metal grid	North East Corner	one (1) sample collected. "CSI Interiors Inc." printed on backside of tile.	210201.E14.118-0913	ND											
E14	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures (newer)		2	202	184	sqft	1	throughout	5421					suspended metal grid	center section	one (1) sample collected. "CSI Interiors Inc." printed on backside of tile.	210202.E14.118-0929	ND											
E14	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures (newer)		2	206	1398	sqft	1	throughout	5421	58				suspended metal grid	Center Section	One (1) sample collected. "CSI Interiors Inc." printed on backside of tile.	210202.E14.118-0923	ND											
E15	Covebase	4" Covebase	4" tan		Multiple	4	137	sqft	0				Only test mastic for PCBs at this time.	ND																	
E15	Covebase	4" Covebase	4" tan		1	102	24	sqft		throughout	5363																				
E15	Covebase	4" Covebase	4" tan		1	104	40	sqft		remaining walls	5363	67																			
E15	Covebase	4" Covebase	4" tan		2	205	37	sqft		throughout	5528																				
E15	Covebase	4" Covebase	4" tan		3	301	36	sqft		throughout	5506	54																			
E16	Adhesive	4" Covebase Adhesive	associated with E15		Multiple	4	137	sqft	3					ND																	Potentially Excluded PCB Product
E16	Adhesive	4" Covebase Adhesive	associated with E15		1	102	24	sqft		throughout	5363																				
E16	Adhesive	4" Covebase Adhesive	associated with E15		1	104	40	sqft	1	remaining walls	5363	67				Painted Plaster	East Wall, South Section	One (1) sample collected. Yellow over Dark Brown adhesive. Paint inseparable. Layers inseparable.	210201.E16.118-0872	2.9											
E16	Adhesive	4" Covebase Adhesive	associated with E15		2	205	37	sqft	1	throughout	5528					Painted Metal	South wall, door sidelight	one (1) sample collected. Tan over residual brown adhesive. Layers inseparable.	210202.E16.118-0932	14.4					210325.E16.120-1168 ND	-	-	210325.E16.120-1169 NA	210325.E16.120-1185 ND	210325.E16.120-1187 NA	1348 behind plaster	
E16	Adhesive	4" Covebase Adhesive	associated with E15		3	301	36	sqft	1	throughout	5506	54				Painted Plaster	South Wall, East corner	one (1) sample collected. Yellow over residual brown adhesive. Layers inseparable.	210202.E16.118-0942	0.46											Not Regulated
E18	Window Caulking	Window Caulking	Metal casing to CMU		Multiple	18		sqft	0				Previously Sampled - PCB E18A 1,600 ppm, adhesive	2% Tremolite																
E18	Window Caulking	Window Caulking	Metal casing to CMU		1	101	-																								
E18	Window Caulking	Window Caulking	Metal casing to CMU		1	102	-																								
E18	Window Caulking	Window Caulking	Metal casing to CMU		1	104	-					67																			
E18	Window Caulking	Window Caulking	Metal casing to CMU		2	200	-																								
E18	Window Caulking	Window Caulking	Metal casing to CMU		2	201	-					70																			
E18	Window Caulking	Window Caulking	Metal casing to CMU		2	203	-																								
E18	Window Caulking	Window Caulking	Metal casing to CMU		2	205	-																								
E18	Window Caulking	Window Caulking	Metal casing to CMU		2	206	-					58																			
E18	Window Caulking	Window Caulking	Metal casing to CMU		2	207	-																								
E18	Window Caulking	Window Caulking	Metal casing to CMU		3	301	-					54																			
E18	Window Caulking	Window Caulking	Metal casing to CMU		3	302	-																								
E18	Window Caulking	Window Caulking	Metal casing to CMU		3	303	-																								
E18	Window Caulking	Window Caulking	Metal casing to CMU		3	304	-					100, 110																			
E18	Window Caulking	Window Caulking	Metal casing to CMU		3	305	-																								
E18	Window Caulking	Window Caulking	Metal casing to CMU		3	306	-																								
E18	Window Caulking	Window Caulking	Metal casing to CMU		3	310	-					78																			
E18	Window Caulking	Window Caulking	Metal casing to CMU		3	302A	-																								
E18	Window Caulking	Window Caulking	Metal casing to CMU		3	310D	-																								
E19	Window Caulking	Window Caulking	Metal casing to metal sill		Multiple	18		sqft	0				Previously Sampled - PCB E19A 14,000 ppm	ND in Bldg E Positive in other Bldgs ACM > 1%																
E19	Window Caulking	Window Caulking	Metal casing to metal sill		1	101	-																								
E19	Window Caulking	Window Caulking	Metal casing to metal sill		1	102	-																								
E19	Window Caulking	Window Caulking	Metal casing to metal sill		1	104	-					67																			
E19	Window Caulking	Window Caulking	Metal casing to metal sill		2	200	-																								
E19	Window Caulking	Window Caulking	Metal casing to metal sill		2	201	-					70																			
E19	Window Caulking	Window Caulking	Metal casing to metal sill		2	203	-																								
E19	Window Caulking	Window Caulking	Metal casing to metal sill		2	205	-																								
E19	Window Caulking	Window Caulking	Metal casing to metal sill		2	206	-					58																			
E19	Window Caulking	Window Caulking	Metal casing to metal sill		2	207	-																								
E19	Window Caulking	Window Caulking	Metal casing to metal sill		3	301	-					54																			
E19	Window Caulking	Window Caulking	Metal casing to metal sill		3	302	-																								
E19	Window Caulking	Window Caulking	Metal casing to metal sill		3	303	-																								
E19	Window Caulking	Window Caulking	Metal casing to metal sill		3	304	-					100, 110																			
E19	Window Caulking	Window Caulking	Metal casing to metal sill		3	305	-																								
E19	Window Caulking	Window Caulking	Metal casing to metal sill		3	306	-																								
E19	Window Caulking	Window Caulking	Metal casing to metal sill		3	310	-					78																			
E19	Window Caulking	Window Caulking	Metal casing to metal sill		3	302A	-																								
E19	Window Caulking	Window Caulking	Metal casing to metal sill		3	310D	-																								
E2000	Caulking Material	Caulking Material	CMU to Plaster Wall		Multiple	17	171	lnft	3					2% Chrysotile																	Potentially Excluded PCB Product
E2000	Caulking Material	Caulking Material	CMU to Plaster Wall		1	101	15	lnft		northwest & southeast corners																					
E2000	Caulking Material	Caulking Material	CMU to Plaster Wall		1	102	9	lnft		southeast & southwest corners																					
E2000	Caulking Material	Caulking Material	CMU to Plaster Wall	Grey	1	104	9	lnft	1	southeast & southwest corners		67			Painted Concrete Masonry Unit (CMU) to painted plaster	South-west corner	one (1) sample collected. Painted. Paint inseparable.	210201.E2000.118-0900	21.2											
E2000	Caulking Material	Caulking Material	CMU to Plaster Wall		2	200	9	lnft		southeast & southwest corners																					
E2000	Caulking Material	Caulking Material	CMU to Plaster Wall		2	201	6	lnft	1			70			Painted Concrete Masonry Unit (CMU) to Painted Plaster	South-West Corner	one (1) sample collected. Painted. Paint inseparable.	210201.E2000.118-0910	24.4											
E2000	Caulking Material	Caulking Material	CMU to Plaster Wall		2	202	9	lnft		southeast & southwest corners																					
E2000	Caulking Material	Caulking Material	CMU to Plaster Wall		2	203	6	lnft																							
E2000	Caulking Material	Caulking Material	CMU to Plaster Wall		2	205	6	lnft																							
E2000	Caulking Material	Caulking Material	CMU to Plaster Wall		2	206	18	lnft				58																			
E2000	Caulking Material	Caulking Material	CMU to Plaster Wall		2	207	15	lnft		northwest & southeast corners																					
E2000	Caulking Material	Caulking Material	CMU to Plaster Wall		3	301	6	lnft		northeast & northwest corners		54																			
E2000	Caulking Material	Caulking Material	CMU to Plaster Wall		3	302	18	lnft		southeast & southwest corners																					
E2000	Caulking Material	Caulking Material	CMU to Plaster Wall		3	303	6	lnft		northeast & northwest corners																					
E2000	Caulking Material	Caulking Material	CMU to Plaster Wall		3	304	6	lnft	1	southeast & southwest corners		100, 110			Painted Concrete masonry unit (CMU) to painted plaster	South-west corner	one (1) sample collected. Painted. Paint inseparable.	210203.E2000.120-0982	46					210326.E2000.131-1208 0.52 Aroclor-1248 (10, Aroclor-1254 (10	210326.E2000.131-1209 NA			210326.E2000.131-1286 0.96 Aroclor-1254 (10	210326.E2000.131-1287 NA		
E2000	Caulking Material	Caulking Material	CMU to Plaster Wall		3	305	6	lnft		northeast & northwest corners																					
E2000	Caulking Material	Caulking Material	CMU to Plaster Wall		3	306	9	lnft		southeast & southwest corners																					
E2000	Caulking Material	Caulking Material	CMU to Plaster Wall		3	302A	18	lnft		southeast & southwest corners																					
E2001	Adhesive	Bulletin Board/Chalkboard Adhesive	associated with Bulletin Boards/Chalkboards		Multiple	15			5					2% Chrysotile																	Potentially Excluded PCB Product
E2001	Adhesive	Bulletin Board/Chalkboard Adhesive	associated with Bulletin Boards/Chalkboards		1	102	-				5365																				
E2001	Adhesive	Bulletin Board/Chalkboard Adhesive	associated with Bulletin Boards/Chalkboards	Dark Brown	1	104	-		1			67				Painted Plaster	East wall, south section	one (1) sample collected.	210201.E2001.118-0881	4.9											Aroclor-1242(E)
E2001	Adhesive	Bulletin Board/Chalkboard Adhesive	associated with Bulletin Boards/Chalkboards		2	200	-																								
E2001	Adhesive	Bulletin Board/Chalkboard Adhesive	associated with Bulletin Boards/Chalkboards		2	201	-		1		5522	70				Painted Plaster	East Wall, south section	one (1) sample collected.	210201.E2001.118-0911	5.5					210325.E2001.130-1195 ND	-	-	210325.E2001.130-1192 NA			1348 behind plaster	Aroclor-1242(E)
E2001	Adhesive	Bulletin Board/Chalkboard Adhesive	associated with Bulletin Boards/Chalkboards		2	202	-																								
E2001	Adhesive	Bulletin Board/Chalkboard Adhesive	associated with Bulletin Boards/Chalkboards		2	203	-				5522																				
E2001	Adhesive	Bulletin Board/Chalkboard Adhesive	associated with Bulletin Boards/Chalkboards		2	205	-																								
E2001	Adhesive	Bulletin Board/Chalkboard Adhesive	associated with Bulletin Boards/Chalkboards		2	206	-		1			58						VOID - No adhesive observed. on metal strapping	VOID - See Photo #119-0929											

Building E - Bulk and Substrate Material Sampling Summary

Homogeneous Material #	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling Satisfaction (<0.09 Results (mg/m3)	Comments	Asbestos Results %	Substrate Indicate if Painted or unpainted	Specific Sample Location	ATC Comments	Sample ID Number/Date - HF - Photo ID #'s	Total PCB Aroclor Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ATC Comments	Proposed Waste Characterization	Legend
E2001	Adhesive	Bulletin Board/Chalkboard Adhesive	associated with Bulletin Boards/Chalkboards		3	301	-		1		5466	94			Unpainted Plaster	West wall, center section	one (1) sample collected.	210202.E2001.119-0945	4.2											Aroclor-1242(1)	
E2001	Adhesive	Bulletin Board/Chalkboard Adhesive	associated with Bulletin Boards/Chalkboards		3	302	-				5466																				
E2001	Adhesive	Bulletin Board/Chalkboard Adhesive	associated with Bulletin Boards/Chalkboards		3	303	-				5466																				
E2001	Adhesive	Bulletin Board/Chalkboard Adhesive	associated with Bulletin Boards/Chalkboards		3	304	-		1		5475	100, 110			Painted plaster	East Wall, North Section	two (2) samples collected. second sample collected to substitute for VOID in Room E208.	210203.E2001.120-0987	3.5											Aroclor-1242(2);Aroclor-1248(2)	
E2001	Adhesive	Bulletin Board/Chalkboard Adhesive	associated with Bulletin Boards/Chalkboards		3	304	-		1		5475	100, 110			Painted plaster	East Wall, North Section	two (2) samples collected. second sample collected to substitute for VOID in Room E208	210203.E2001.120-0991	3.6											Aroclor-1242(2);Aroclor-1248(2)	
E2001	Adhesive	Bulletin Board/Chalkboard Adhesive	associated with Bulletin Boards/Chalkboards		3	305	-				5476																				
E2001	Adhesive	Bulletin Board/Chalkboard Adhesive	associated with Bulletin Boards/Chalkboards		3	306	-				5469																				
E2001	Adhesive	Bulletin Board/Chalkboard Adhesive	associated with Bulletin Boards/Chalkboards		3	3100																									
E2002	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black & white streaks		2	1	391	sqft	0					7% Chrysotile																	
E2002	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black & white markings		2	207	391				5418																				
E2003	Mastic	9" Tile Mastic	associated with 9"x9" light gray with black & white markings		2	1	391	sqft	1					ND																	
E2003	Mastic	9" Tile Mastic	associated with E21		2	207	391		1		5418		Analytical report "210202.E2003.1119-0924"		Unpainted concrete	center section	one (1) sample collected.	210202.E2003.119-0924	1000											210325.E2003.130-1183 NA			
E2003	Mastic	9" Tile Mastic	associated with E21		2	207	391		DUP		5418				Unpainted concrete	center section	one (1) duplicate sample collected.	210202.E2003.119-0935	1000														
E2004	Dust Seam Sealant	Duct Seam Sealant	Metal Duct work		3	1	3	sqft	2					ND																	Potentially Excluded PCB Product
E2004	Dust Seam Sealant	Duct Seam Sealant	Metal Duct work	gray	3	304A	3	sqft	2		5467				Unpainted Metal	at the North wall at the duct near the ceiling	two (2) samples collected.	210203.E2004.120-0983	28														
E2004	Dust Seam Sealant	Duct Seam Sealant	Metal Duct work	gray	3	304A	3	sqft	2		5467				Unpainted Metal	at the North wall at the duct near the ceiling	two (2) samples collected.	210203.E2004.120-0984	26														
E2005	Dust Seam Sealant	Duct Seam Sealant	Metal Duct work	brown	3	1	1	sqft	2					ND																	Potentially Excluded PCB Product
E2005	Dust Seam Sealant	Duct Seam Sealant	Metal Duct work	brown	3	304A	1	sqft	2		5469				Unpainted Metal	at the duct near the ceiling, North west corner	two (2) samples collected.	210203.E2005.120-0985	37														
E2005	Dust Seam Sealant	Duct Seam Sealant	Metal Duct work	brown	3	304A	1	sqft	2		5469				Unpainted Metal	at the duct near the ceiling, North west corner	two (2) samples collected.	210203.E2005.120-0986	42														
E2006	Vinyl Floor Tile	9" Tile	9" x 9" beige		3	1	12	sqft						7% Chrysotile																	
E2006	Vinyl Floor Tile	9" Tile	9" x 9" beige		3	306	12	sqft		under heat ventilator																					
E2007	Mastic	9" Tile Mastic	associated with Vinyl Floor Tile9" x 9" beige		3	1	12	sqft	2					ND																	VCM Bulk Product
E2007	Mastic	9" Tile Mastic	associated with Vinyl Floor Tile9" x 9" beige		3	306	12	sqft	2	under heat ventilator					Unpainted Concrete	at East wall corner sectionat radiator	two (2) samples collectedLess than 2 sqft of 9" x 9" tile at radiator. Remaining room has 12" x 12" tile (ENS).	210203.E2007.120-0988	6200														
E2007	Mastic	9" Tile Mastic	associated with Vinyl Floor Tile9" x 9" beige		3	306	12	sqft	2	under heat ventilator					Unpainted Concrete	at East wall corner sectionat radiator	two (2) samples collectedLess than 2 sqft of 9" x 9" tile at radiator. Remaining room has 12" x 12" tile (ENS).	210203.E2007.120-0989	8700					210326.E2007.131-1202 1.2 Aroclor-1254 (1)	210326.E2007.131-1203 ND								
E2008	Vinyl Floor Tile	9" Tile	9" x 9" light gray with white streaks		3	3	1114	sqft	0					7% Chrysotile																	
E2008	Vinyl Floor Tile	9" Tile	9" x 9" light gray with white streaks		3	310	960			underneath 013 &054 throughout	5455	78																				
E2008	Vinyl Floor Tile	9" Tile	9" x 9" light gray with white streaks		3	3108	18	sqft		throughout	5455																				
E2008	Vinyl Floor Tile	9" Tile	9" x 9" light gray with white streaks		3	3100	138	sqft		throughout	5455																				
E2009	Mastic	9" Tile Mastic	associated with Vinyl Floor Tile 9" x 9" light gray with white streaks		3	3	1114	sqft	3					ND																	VCM Bulk Product
E2009	Mastic	9" Tile Mastic	associated with Vinyl Floor Tile 9" x 9" light gray with white streaks		3	310	960		1	underneath 013 &054 throughout		78			unpainted concrete	north center section	one (1) sample collected.	210203.E2009.120-0958	11000					210326.E2009.131-1216 0.65 Aroclor-1254 (2)	210326.E2009.131-1217 NA								
E2009	Mastic	9" Tile Mastic	associated with Vinyl Floor Tile 9" x 9" light gray with white streaks		3	3108	18	sqft	1	throughout					unpainted concrete	Center section	one (1) sample collected.	210203.E2009.120-0971	8200														
E2009	Mastic	9" Tile Mastic	associated with Vinyl Floor Tile 9" x 9" light gray with white streaks		3	3100	138	sqft	1	throughout					unpainted concrete	Center section	one (1) sample collected.	210203.E2009.120-0974	8700														
E2010	Adhesive	Wall Cabinet Adhesive	associated with wall cabinet		Multiple	5			3					VOID																	TBD
E2010	Adhesive	Wall Cabinet Adhesive	associated with wall cabinet		2	201	-		1		5538	70					VOID - no adhesive observed.	VOID - See Photo #118-0912													
E2010	Adhesive	Wall Cabinet Adhesive	associated with wall cabinet		2	203					5531																				
E2010	Adhesive	Wall Cabinet Adhesive	associated with wall cabinet		3	303			1		5509						VOID - no adhesive observed.	VOID - See Photo #118-0949													
E2010	Adhesive	Wall Cabinet Adhesive	associated with wall cabinet		3	3100			1		5460						VOID - no adhesive observed.	VOID													
E2011	Resilient Sheet Flooring	Resilient Flooring	orange and red gravel pattern		2	1	176	sqft	0					ACM >1% Previously Sampled																	
E2011	Resilient Sheet Flooring	Resilient Flooring	orange and red gravel pattern		2	Hallway	176	sqft			5405																				
E2012	Adhesive	Resilient Flooring Adhesive	Resilient Flooring Adhesive Flooringorange and red gravel		2	1	176	sqft	2					Not Sampled assumed asbestos																	TBD
E2012	Adhesive	Resilient Flooring Adhesive	Resilient Flooring Adhesive Flooringorange and red gravel		2	Hallway	176	sqft	2		5405						No sample collected. Asbestos containing sheet flooring.	VOID													
E21	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black & white streaks		Multiple	12	8501	sqft	0				Only test mastic for PCBs at this time. Asbestos	ACM > 1% Previously Sampled																	
E21	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black & white streaks		1	101	343	sqft		throughout	5359/5534																				
E21	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black & white streaks		2	201	773	sqft		throughout	5359/5534	70																			
E21	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black & white streaks		2	203	692	sqft		throughout	5359/5534																				
E21	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black & white streaks		2	205	770	sqft		underneath 013 & 054	5359/5534																				
E21	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black & white streaks		3	302	1106	sqft		throughout	5359/5534																				
E21	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black & white streaks		3	303	701	sqft		throughout	5359/5534																				
E21	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black & white streaks		3	305	770	sqft		throughout	5359/5534																				
E21	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black & white streaks		1	101A	48	sqft		throughout	5359/5534																				
E21	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black & white streaks		1	100 Ramp	392	sqft		throughout	5359/5534																				
E21	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black & white streaks		3	302A	124	sqft		throughout	5359/5534																				
E22	Mastic	9" Tile Mastic	associated with E21		Multiple	12	8501	sqft	6					ND																	VCM Bulk Product
E22	Mastic	9" Tile Mastic	associated with E21	Black	1	101	343	sqft	1	throughout	5359/5534				Unpainted Concrete	South West Section	One (1) sample collected.	210201.E22.119-0958	17.4												
E22	Mastic	9" Tile Mastic	associated with E21	black	2	201	773	sqft	1	throughout	5359/5534	70			Unpainted Concrete	East center section	one (1) sample collected.	210201.E22.119-0959	32												
E22	Mastic	9" Tile Mastic	associated with E21		2	203	692	sqft		throughout	5359/5534																				
E22	Mastic	9" Tile Mastic	associated with E21		2	205	770	sqft		underneath 013 & 054	5359/5534																				
E22	Mastic	9" Tile Mastic	associated with E21	black	3	302	1106	sqft	1	throughout	5359/5534				Unpainted Concrete	South East section	one (1) sample collected.	210202.E22.119-0948	6900												
E22	Mastic	9" Tile Mastic	associated with E21		3	303	701	sqft		throughout	5359/5534																				
E22	Mastic	9" Tile Mastic	associated with E21	black	3	305	770	sqft	1	throughout	5359/5534				Unpainted Concrete	South East section	one (1) sample collected.	210203.E22.120-0976	9500					210326.E22.131-1204 0.78 Aroclor-1254 (1)	210326.E22.131-1205 NA								
E22	Mastic	9" Tile Mastic	associated with E21		1	101A	48	sqft		throughout	5359/5534																				
E22	Mastic	9" Tile Mastic	associated with E21		1	100 Ramp	392	sqft		throughout	5359/5534																				
E22	Mastic	9" Tile Mastic	associated with E21		3	302A	124	sqft		throughout	5359/5534																				
E22	Mastic	9" Tile Mastic	associated with E21		2	Hallway	1160	sqft	1	throughout	5359/5534				Unpainted Concrete	east section adjacent to room E205	one (1) sample collected.	210201.E22.119-0915	1100												
E22	Mastic	9" Tile Mastic	associated with E21	black	3	Hallway	1202	sqft	1	throughout	5359/5534				unpainted concrete	near entry to E305	one (1) sample collected.	210202.E22.119-0952	7600												
E23	Vinyl Floor Tile	12" Tile	12" x 12" white and blue		Multiple	6	2628	sqft	0				Only test mastic for PCBs at this time.	ND																	
E23	Vinyl Floor Tile	12" Tile	12" x 12" white and blue		2	200	1300	sqft		throughout	5468																				
E23	Vinyl Floor Tile	12" Tile	12" x 12" white and blue		2	202	184	sqft		throughout	5468																				
E23	Vinyl Floor Tile	12" Tile	12" x 12" white and blue		2	206	1288	sqft		throughout	5468	58																			
E23	Vinyl Floor Tile	12" Tile	12" x 12" white and blue		1	206A	20	sqft		throughout 1/3	5468																				
E23	Vinyl Floor Tile	12" Tile	12" x 12" white and blue		3	304A	146	sqft		throughout	5468																				
E23	Vinyl Floor Tile	12" Tile	12" x 12" white and blue		1	Hallway	470	sqft		throughout	5468																				
E24	Mastic	12" Tile Mastic	associated with E23		Multiple	6	2681	sqft	3					ND																	VCM Bulk Product
E24	Mastic	12" Tile Mastic	associated with E23 & E56		2	200	1288	sqft		throughout	5468																				
E24	Mastic	12" Tile Mastic	associated with E23 & E56		2	202	184	sqft		throughout	5468																				
E24	Mastic	12" Tile Mastic	associated with E23 & E56		2	206	1434	sqft	1	throughout	5468	58			Unpainted Concrete	South East Corner	one (1) sample collected. Yellow over residual mastic. Layers inseparable.	210202.E24.119-0925	10000					210325.E24.130-1199 1.8 Aroclor-1254 (1)	210325.E24.130-1186 0.14 Aroclor-1254 (1)								
E24	Mastic	12" Tile Mastic	associated with E23 & E56	Yellow	1	206A	49	sqft	1	throughout 1/3	5468				Unpainted Concrete	South East section	one (1) sample collected. Yellow over black residual mastic. Layers inseparable.	210201.E24.119-0897	6.2												
E24	Mastic	12" Tile Mastic	associated with E23		3	304A	146	sqft		throughout	5468																				
E24	Mastic	12" Tile Mastic	associated with E23		1	Hallway	470	sqft	1	throughout	5468				unpainted concrete	East section, outside elevator	one (1) sample collected. Yellow over residual black mastic. Layers inseparable.	210201.E24.119-0898	0.88												
E25	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' dense with pinholes and long fissures in same direction		Multiple	9	481	sqft	3					ND																	PCB Remedial Waste
E25	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' dense with pinholes and long fissures in same direction		1	102	255	sqft		1/2 throughout	5349																				
E25	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' dense with pinholes and long fissures in same direction		1	104	16	sqft	1	patch	5349	67			Suspended Metal Grid	North West Section	one (1) sample collected. See photo #118-0935 for backside of tile.	210201.E25.118-0874	1.4												
E25	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' dense with pinholes and long fissures in same direction		2	207	68	sqft		patch	5349																				
E25	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' dense with pinholes and long fissures in same direction		3	310	36	sqft	1	patch	5349	78			suspended metal grid	Center section	one (1) sample collected. See Photo # 120-0963 for backside of tile.	210203.E26.120-0957	1.3												
E25	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' dense with pinholes and long fissures in same direction		1	104A	4	sqft		patch	5349																				
E25	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' dense with pinholes and long fissures in same direction		1	104B	4	sqft		patch	5349																				
E25	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' dense with pinholes and long fissures in same direction		1	Hallway	12	sqft		patch	5349																				
E25	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' dense with pinholes and long fissures in same direction		2	Hallway	20	sqft		patch	5349																				
E25	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' dense with pinholes and long fissures in same direction		3	Hallway	36	sqft	1	patch	5349				suspended metal grid	rear entry to room E308	one (1) sample collected.	210202.E26.119-0951	1.1												
E27	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' short fissures and dense perforations		Multiple	9	548	sqft	3					ND																	PCB Remedial Waste
E27	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' short fissures and dense perforations		1	104	283	sqft	1	large patch	5348	67			Suspended Metal Grid	North East Section	one (1) sample collected "...Made-In-USA" printed on backside of tile. See photo #118-0959	210201.E27.118-0873	1.3												
E27	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' short fissures and dense perforations		2	200	96	sqft		patch	5348																				
E27	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' short fissures and dense perforations		2	206	36	sqft	1	patch	5348	58			suspended metal grid	Center Section	one (1) sample collected. Nothing printed on the backside of tile.	210202.E27.119-0924	1.1												
E27	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' short fissures and dense perforations		3	302	19	sqft		north section only	5348																				
E27	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' short fissures and dense perforations		3	310	36	sqft	1	patch	5348	78			Suspended metal grid	South east section	one (1) sample collected.	210203.E27.120-0959	0.76												
E27	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' short fissures and dense perforations		3	3100	8	sqft		patch	5348																				
E27	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' short fissures and dense perforations		1	Hallway	12	sqft		patch	5348																				
E27	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' short fissures and dense perforations		2	Hallway	20	sqft		patch	5348																				
E27	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' short fissures and dense perforations		3	Hallway	36	sqft		patch	5348																				
E28	Lab Bench Top Material	Lab Bench Top Material	Lab Bench Top Material	black	Multiple	10		sqft	0				Hand surface	ND (Previous Sampling Prior to April 2019) Report																
E28	Lab Bench Top Material	Lab Bench Top Material	Lab Bench Top Material	black	1	102	-				5367																				
E28	Lab Bench Top Material	Lab Bench Top Material	Lab Bench Top Material	black	1	104	-				5372	67																			
E28	Lab Bench Top Material	Lab Bench Top Material	Lab Bench Top Material	black	2	205	-				5526																				
E28	Lab Bench Top Material	Lab Bench Top Material	Lab Bench Top Material	black	3	301	-				5502	54																			
E28	Lab Bench Top Material	Lab Bench Top Material	Lab Bench Top Material	black	3	302	-				5464																				
E28	Lab Bench Top Material	Lab Bench Top Material	Lab Bench Top Material	black	3	303	-				5506																				
E28	Lab Bench Top Material	Lab Bench Top Material	Lab Bench Top Material	black	3	304	-					100, 110																			

Building E - Bulk and Substrate Material Sampling Summary

Homogeneous Material #	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Pleres Number	Initial Air Sampling September 2020 Results (ng/m3)	Comments	Asbestos Results %	Substrate Indicate if Painted or unpainted	Specific Sample Location	ATC Comments	Sample ID Number(Date - HA - Photo ID #)	Total PCB Aroclor Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ATC Comments	Proposed Waste Characterization	Legend
E28	Lab Bench Top Material	Lab Bench Top Material	Lab Bench Top Material	black	1	104A	-				5376																				
E28	Lab Bench Top Material	Lab Bench Top Material	Lab Bench Top Material	black	1	104B	-				5379																				
E28	Lab Bench Top Material	Lab Bench Top Material	Lab Bench Top Material	black	1	104C	-				5384																				
E29	Caulking	Caulking associated with lab bench top material	associated with E28		Multiple	10		sqft	3					ND (Previous Sampling Prior to April 2020 Report)																Not Regulated	
E29	Caulking	Caulking associated with lab bench top material	associated with E29		1	102	-																								
E29	Caulking	Caulking associated with lab bench top material	associated with E28		1	104	-		1		5373	67			Lab Bench Top Material (E28)	Center Lab Table	one (1) sample collected. Black coating on Bench Top inseparable.	210201.E29.118-0875	N/D											
E29	Caulking	Caulking associated with lab bench top material	associated with E28		2	205	-																								
E29	Caulking	Caulking associated with lab bench top material	associated with E28		3	301	-		1			54			Lab Bench Top Material (E28)	West lab bench	one (1) sample collected. Black coating on lab bench inseparable.	210202.E29.118-0843	0.87											
E29	Caulking	Caulking associated with lab bench top material	associated with E26		3	302	-				5464																				
E29	Caulking	Caulking associated with lab bench top material	associated with E28		3	303	-																								
E29	Caulking	Caulking associated with lab bench top material	associated with E28		3	304	-		1			300, 110			Lab Bench Top Material (E28)	North Bench, West Section	one (1) sample collected.	210203.E29.118-0977	0.85											
E29	Caulking	Caulking associated with lab bench top material	associated with E29		1	104A	-																								
E29	Caulking	Caulking associated with lab bench top material	associated with E28		1	104B	-																								
E29	Caulking	Caulking associated with lab bench top material	associated with E28		1	104C	-																								
E30	Adhesive	Lab Bench Top Adhesive	associated with E28		Multiple	10		sqft	3					ND (Previous Sampling Prior to April 2020 Report)																Potentially Excluded PCB Product	
E30	Adhesive	Lab Bench Top Adhesive	associated with E29		1	102	-																								
E30	Adhesive	Lab Bench Top Adhesive	associated with E28		1	104	-		1			67			Lab Bench Top Material (E28) and wood framing	Center Lab Table	two (2) samples collected. Took second sample to substitute for the Vacuum Room E004	210201.E30.118-0876	0.92											
E30	Adhesive	Lab Bench Top Adhesive	associated with E28		1	104	-		1			67			Lab Bench Top Material (E28) and wood framing	Center Lab Table	two (2) samples collected. Took second sample to substitute for the Vacuum Room E004	210203.E30.135-0892	3.8											
E30	Adhesive	Lab Bench Top Adhesive	associated with E26		2	205	-																								
E30	Adhesive	Lab Bench Top Adhesive	associated with E28		3	301	-		1			54			Lab Bench Top Material (E28) to wood framing	East lab bench	one (1) sample collected.	210202.E30.118-0844	7.9											
E30	Adhesive	Lab Bench Top Adhesive	associated with E28		3	302	-				5464																				
E30	Adhesive	Lab Bench Top Adhesive	associated with E28		3	303	-																								
E30	Adhesive	Lab Bench Top Adhesive	associated with E28		3	304	-		1			300, 110			Lab Bench Top Material (E28)	North Bench, West Section	one (1) sample collected. Black silicone. Material not the same as previous samples	210203.E30.135-0978	8.9											
E30	Adhesive	Lab Bench Top Adhesive	associated with E28		1	104A	-																								
E30	Adhesive	Lab Bench Top Adhesive	associated with E28		1	104B	-																								
E30	Adhesive	Lab Bench Top Adhesive	associated with E28		1	104C	-																								
E31	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 1		Multiple	5		sqft	0				280	ND																	
E31	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 1		2	200	-																								
E31	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 1		2	202	-																								
E31	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 1		2	206	-					58																			
E31	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 1		2	207	-																								
E31	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 1		3	306	-																								
E32	Joint Compound	Joint Compound	Newer, Type 1		2	4		sqft	0				Not mastic	ND																	
E32	Joint Compound	Joint Compound	Newer, Type 1		2	200	-																								
E32	Joint Compound	Joint Compound	Newer, Type 1		2	202	-																								
E32	Joint Compound	Joint Compound	Newer, Type 1		2	206	-					58																			
E32	Joint Compound	Joint Compound	Newer, Type 1		2	207	-																								
E34	Grout	Grout associated with 4" Tile	associated with ceramic wall tiles" gray		Multiple	3	48	sqft	0				Not mastic	ND																	
E34	Grout	Grout associated with 4" Tile	associated with ceramic wall tiles" gray		1	105	16	sqft		north wall	5433																				
E34	Grout	Grout associated with 4" Tile	associated with ceramic wall tiles" gray		2	204	16	sqft		southeast corner	5433																				
E34	Grout	Grout associated with 4" Tile	associated with ceramic wall tiles" gray		3	308	16	sqft		southeast corner	5433																				
E35	Adhesive	4" Tile Adhesive - associated with grout associated with 4" ceramic wall tile	associated with E34		Multiple	3	48	sqft	3					ND																Potentially Excluded PCB Product	
E35	Adhesive	4" Tile Adhesive associated with grout associated with 4" ceramic wall tile	associated with E34		1	105	16	sqft	1	north wall	5433						VOID - No Adhesive observed, Mortar bed only	Void - See Photo # 118-0894	-											
E35	Adhesive	4" Tile Adhesive associated with grout associated with 4" ceramic wall tile	associated with E35		2	204	16	sqft	1	southeast corner	5433				Unpainted Plaster	South-East Corner	one (1) sample collected.	210202.E35.118-0930	8.8					210325.E35.130-1189 ND	-	-	210325.E35.130-1190 N/A		1948 behind plaster	
E35	Adhesive	4" Tile Adhesive associated with grout associated with 4" ceramic wall tile	associated with E	yellow	3	308	16	sqft	1	southeast corner	5433				Painted plaster	North wall	one (1) sample collected. Paint inseparable.	210203 E35.135-0975	6.8											
E36	Fire Stop Caulk	Fire Stop Caulk	Fire Stop Caulk	red	Multiple	9		sqft	0				Post 1980	ND																	
E36	Fire Stop Caulk	Fire Stop Caulk	Fire Stop Caulk	red	1	103																									
E36	Fire Stop Caulk	Fire Stop Caulk	Fire Stop Caulk	red	1	105																									
E36	Fire Stop Caulk	Fire Stop Caulk	Fire Stop Caulk	red	1	108																									
E36	Fire Stop Caulk	Fire Stop Caulk	Fire Stop Caulk	red	2	204																									
E36	Fire Stop Caulk	Fire Stop Caulk	Fire Stop Caulk	red	3	306																									
E36	Fire Stop Caulk	Fire Stop Caulk	Fire Stop Caulk	red	1	105A																									
E36	Fire Stop Caulk	Fire Stop Caulk	Fire Stop Caulk	red	1	105B																									
E36	Fire Stop Caulk	Fire Stop Caulk	Fire Stop Caulk	red	1	106A																									
E36	Fire Stop Caulk	Fire Stop Caulk	Fire Stop Caulk	red	2	204A																									
E37	Lab Bench Top Material	Lab Bench Top Material	Newer	black	2	3		sqft	0				Hard Surface	ND																	
E37	Lab Bench Top Material	Lab Bench Top Material	Newer	black	2	200	-				5439																				
E37	Lab Bench Top Material	Lab Bench Top Material	Newer	black	2	202	-				5462																				
E37	Lab Bench Top Material	Lab Bench Top Material	Newer	black	2	206	-				5422	58																			
E38	Covebase	4" Covebase	4" black (newer)		2	10	283	sqft	0				Only test mastic for PCBs at this time.	ND																	
E38	Covebase	4" Covebase	4" black (newer)		1	101	9	sqft		throughout	5426/5470																				
E38	Covebase	4" Covebase	4" black (newer)		1	104	13	sqft		north wall	5426/5470	67																			
E38	Covebase	4" Covebase	4" black (newer)		2	200	56	sqft		throughout	5426/5470																				
E38	Covebase	4" Covebase	4" black (newer)		2	202	16	sqft		throughout	5426/5470																				
E38	Covebase	4" Covebase	4" black (newer)		2	206	56	sqft		throughout	5426/5470	58																			
E38	Covebase	4" Covebase	4" black (newer)		3	304	43	sqft		throughout	5426/5470	300, 110																			
E38	Covebase	4" Covebase	4" black (newer)		3	306	28	sqft		throughout	5426/5470																				
E38	Covebase	4" Covebase	4" black (newer)		1	101A	9	sqft		throughout	5426/5470																				
E38	Covebase	4" Covebase	4" black (newer)		1	105A	12	sqft		throughout	5426/5470																				
E38	Covebase	4" Covebase	4" black (newer)		1	Hallway	41	sqft		throughout	5426/5470																				
E39	Adhesive	4" Covebase Adhesive	associated with E38		Multiple	10	283	sqft	3					ND																Potentially Excluded PCB Product	
E39	Adhesive	4" Covebase Adhesive	associated with E38		1	101	9	sqft		throughout	5426/5470																				
E39	Adhesive	4" Covebase Adhesive	associated with E38	Beige	1	104	13	sqft	1	north wall	5426/5470	67			Painted Gypsum Wall Board	North Wall, Center section	one (1) sample collected. Gypsum Wall Board and Joint Compound inseparable.	210201.E39.118-0877	2.2											
E39	Adhesive	4" Covebase Adhesive	associated with E38		2	200	56	sqft		throughout	5426/5470																				
E39	Adhesive	4" Covebase Adhesive	associated with E38		2	202	16	sqft		throughout	5426/5470																				
E39	Adhesive	4" Covebase Adhesive	associated with E38		2	206	56	sqft	1	throughout	5426/5470	58			Painted Concrete Masonry Unit (CMU)	South wall, East section	one (1) sample collected. Paint inseparable.	210202.E39.118-0927	13.8											
E39	Adhesive	4" Covebase Adhesive	associated with E38	Yellow	3	304	43	sqft	1	throughout	5426/5470	300, 110			Painted Racker	East wall, north section	one (1) sample collected. Yellow over residual dark brown adhesive. layers inseparable.	210203.E39.135-0979	16.7					210325.E39.135-1210 0.35 Aroclor 1254 (12	-	-	210325.E39.135-1211 N/A		0348 behind plaster	
E39	Adhesive	4" Covebase Adhesive	associated with E38		3	306	28	sqft		throughout	5426/5470																				
E39	Adhesive	4" Covebase Adhesive	associated with E38		1	101A	9	sqft		throughout	5426/5470																				
E39	Adhesive	4" Covebase Adhesive	associated with E38		1	105A	12	sqft		throughout	5426/5470																				
E39	Adhesive	4" Covebase Adhesive	associated with E38		1	Hallway	41	sqft		throughout	5426/5470																				
E40	Window Glazing	Window Glazing	associated with reinforced glass ar doors	grey	Multiple	3		sqft	3					ND in Bldg E Positive in other Bldgs ACM >1%																Potentially Excluded PCB Product	
E40	Window Glazing	Window Glazing	associated with reinforced glass ar doors	grey	1	Hallway	-		1		5406/5408				Painted metal to glass pane	overhead window of double doors at west wall.	one (1) sample collected.	210201.E40.118-0897	2.4											
E40	Window Glazing	Window Glazing	associated with reinforced glass ar doors	grey	2	Hallway	-		1		5406/5408				Painted metal to glass pane	center of hall, at middle door divider	one (1) sample collected.	210202.E40.118-0838	21											
E40	Window Glazing	Window Glazing	associated with reinforced glass ar doors	grey	3	Hallway			1		5406/5408				painted metal to glass pane	center of hall, at middle door divider	one (1) sample collected.	210202.E40.118-0853	7.9											
E41	Grout	1"x2" Tile	associated with ceramic wall tile1" x 2" gray		Multiple	5	1394	sqft	0				Not mastic	ND																	
E41	Grout	1"x2" Tile	associated with ceramic wall tile1" x 2" gray		1, 2 & 3	East Stairwell	945	sqft		throughout	5411/5519																				
E41	Grout	1"x2" Tile	associated with ceramic wall tile1" x 2" gray		1	Hallway	24	sqft		at water fountain	5411/5519																				
E41	Grout	1"x2" Tile	associated with ceramic wall tile1" x 2" gray		2	Hallway	24	sqft		at water fountain	5411/5519																				
E41	Grout	1"x2" Tile	associated with ceramic wall tile1" x 2" gray		3	Hallway	36	sqft		at water fountain	5411/5519																				
E41	Grout	1"x2" Tile	associated with ceramic wall tile1" x 2" gray		2 & 3	West Stair	355	sqft		throughout	5411/5519																				
E42	Adhesive	1"x2" Tile Adhesive	associated with E42		Multiple	5	1394	sqft	3				Not Adhesive Mortar Bed Only	ND in Bldg E ACM >1% in Trace in other Bldgs																TBD	
E42	Adhesive	1"x2" Tile Adhesive	associated with E42		1, 2 & 3	East Stairwell	945	sqft	1	throughout	5411/5519						VOID - no adhesive observed. Mortar bed only.	VOID - see photo #118-0906												
E42	Adhesive	1"x2" Tile Adhesive	associated with E42		1	Hallway	24	sqft	1	at water fountain	5411/5519						VOID - no adhesive observed. mortar bed only.	VOID - see photo #118-0905												
E42	Adhesive	1"x2" Tile Adhesive	associated with E42		2	Hallway	24	sqft		at water fountain	5411/5519																				
E42	Adhesive	1"x2" Tile Adhesive	associated with E42		3	Hallway	36	sqft		at water fountain	5411/5519																				
E42	Adhesive	1"x2" Tile Adhesive	associated with E42		2 & 3	West Stair	355	sqft	1	throughout	5411/5519						VOID - No adhesive observed. Mortar bed only.	VOID - see photo #118-0916												
E43	Covebase	4" Covebase	4" brown		Multiple	2	86	sqft	0				Only test mastic for PCBs at this time.	ND																-	
E43	Covebase	4" Covebase	4" brown		1, 2 & 3	East Stairwell	54	sqft		throughout	5520																			-	
E43	Covebase	4" Covebase	4" brown		2 & 3	West Stair	32	sqft		throughout	5520																			-	
E44	Adhesive	4" Covebase Adhesive	associated with E43		Multiple	2	86	sqft	3					ND																Potentially Excluded PCB Product	
E44	Adhesive	4" Covebase Adhesive	associated with E43		1, 2 & 3	East Stairwell	54	sqft	2	throughout	5520				unpainted wood	1st floor, west wall2nd floor, west wall	two (2) samples collected. yellowish/light brown over dark brown adhesive. Layers inseparable.	210201.E44.118-0901	2.6											
E44	Adhesive	4" Covebase Adhesive	associated with E43		1, 2 & 3	East Stairwell	54	sqft	2	throughout	5520				unpainted wood	1st floor, west wall2nd floor, west wall	two (2) samples collected. yellowish/light brown over dark brown adhesive. Layers inseparable.	210201.E44.118-0905	4.8											
E44	Adhesive	4" Covebase Adhesive	associated with E43		2 & 3	West Stair	32	sqft	1	throughout	5520				unpainted wood	2nd floor, west wall, south section	one (1) sample collected. light brown over dark brown adhesive. Layers inseparable.	210201.E44.118-0917	16	210325.E44.130-1194 ND	-	-	-								
E45	Vinyl Floor Tile	12" Tile	12" x 12" cream with rust streaks		Multiple	2	526	sqft	0				Only test mastic for PCBs at this time. asbestos	2% Chrysotile																	
E45	Vinyl Floor Tile	12" Tile	12" x 12" cream with rust streaks		1, 2 & 3	East Stairwell	166	sqft		1st floor only	5521																				
E45	Vinyl Floor Tile	12" Tile	12" x 12" cream with rust streaks		2 & 3	West Stair	360	sqft		throughout	5521																				
E46	Mastic	12" Tile Mastic	associated with E45		Multiple	2	886	sqft	3				Asbestos	2% Chrysotile																Potentially Excluded PCB Product	
E46	Mastic	12" Tile Mastic	associated with E45		1, 2 & 3	East Stairwell	166	sqft	1	1st floor only	5521				unpainted concrete	west center section	one (1) sample collected.	210201.E46.118-0899	12.1											
E46	Mastic	12" Tile Mastic	associated with E45		1, 2 & 3	East Stairwell	166	sqft	DUP	1st floor only	5521				unpainted concrete	west center section	one (1) duplicate sample collected.	210201.E46.118-0900	10.6											

Building E - Bulk and Substrate Material Sampling Summary

Homogeneous Material #	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m3)	Comments	Asbestos Results %	Substrate Indicate if Painted or unpainted	Specific Sample Location	ATC Comments	Sample ID Number(Date - HF - Photo ID #)	Total PCB Aroclor Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ATC Comments	Proposed Waste Characterization	Legend
646	Mastic	12" Tile Mastic	associated with 645		2 & 3	West Stair	380	sqft	2	throughout	5521				unpainted concrete	2nd floor, base of stairs	two (2) samples collected.	210201.E45.118-0918	15													
646	Mastic	12" Tile Mastic	associated with 645		2 & 3	West Stair	380	sqft	2	throughout	5521				unpainted concrete	2nd floor, base of stairs	two (2) samples collected.	210201.E45.118-0919	19			210325.E45.130-1135 ND		210325.E45.130-1136 NA									
647	Stair Tread Material	Stair Tread Material	tan grooved		2 & 3	West Stair	104	sqft			5522																					
648	Mastic	Stair Tread Mastic	associated with 647		Multiple	1	104	sqft	2				Limited material																			PCB Bulk Product
648	Mastic	Stair Tread Mastic	associated with 647		2 & 3	West Stair	104	sqft	2		5522				unpainted wood and concrete	at mid landing	two (2) samples collected. yellow and black mastic. Layers inseparable.	210201.E45.118-0921	2200													
648	Mastic	Stair Tread Mastic	associated with 647		2 & 3	West Stair	104	sqft	2		5522				unpainted wood and concrete	at mid landing	two (2) samples collected. yellow and black mastic. Layers inseparable.	210201.E45.118-0922	2600			210325.E45.130-1197 2.6 Aroclor-1242 [1]		210325.E45.130-1198 0.28 Aroclor-1242 [1]								
649	Stair Riser Material	6" Coveblase	associated with 647		Multiple	1	104	sqft	0				Only test mastic for PCBs at this time.	ND																		
649	Stair Riser Material	6" Coveblase	associated with 647		2 & 3	West Stair	104	sqft			5522																					
650	Vinyl Floor Tile	12" Tile	12" x 12" white with rust/mauve streaks		Multiple	5	3840	sqft	0				Only test mastic for PCBs at this time.	ND																		
650	Vinyl Floor Tile	12" Tile	12" x 12" white with rust/mauve streaks		1	102	511	sqft		throughout	5364																					
650	Vinyl Floor Tile	12" Tile	12" x 12" white with rust/mauve streaks		1	104	1004	sqft		throughout	5364	67																				
650	Vinyl Floor Tile	12" Tile	12" x 12" white with rust/mauve streaks		3	301	773	sqft		throughout	5505	54																				
650	Vinyl Floor Tile	12" Tile	12" x 12" white with rust/mauve streaks		3	304	1057	sqft		throughout	5483	100, 110																				
650	Vinyl Floor Tile	12" Tile	12" x 12" white with rust/mauve streaks		3	306	495	sqft		throughout	5471																					
651	Mastic	12" Tile Mastic	associated with 650		Multiple	5	3840	sqft	3					ND																		PCB Bulk Product
651	Mastic	12" Tile Mastic	associated with 650		1	102	511	sqft		throughout	5364																					
651	Mastic	12" Tile Mastic	associated with 650	Yellow	1	104	1004	sqft	1	throughout	5364	67			Vinyl Floor Tile (E76)	Center Section	one (1) sample collected.	210201.E51.118-0878	23													
651	Mastic	12" Tile Mastic	associated with 650		3	301	773	sqft	1	throughout	5505	54			Unpainted concrete	near north wall, east end	one (1) sample collected. Yellow over residual black mastic. layers inseparable.	210203.E51.132-1214 ND	31000			210326.E51.132-1215 NA										
651	Mastic	12" Tile Mastic	associated with 650		3	304	1057	sqft	1	throughout	5483	100, 110			Unpainted Concrete	North East section	one (1) sample collected. yellow and black mastic. layers inseparable.	210203.E51.132-0900	5700													
651	Mastic	12" Tile Mastic	associated with 650		3	304	1057	sqft	1	throughout	5483				Unpainted Concrete	North East section	one (1) duplicate sample collected. yellow over residual black mastic. layers inseparable.	210203.E51.132-0901	8100													
651	Mastic	12" Tile Mastic	associated with 650		3	306	495	sqft		throughout	5471																					
652	Tramsite Hardboard	Tramsite Hardboard	associated with fume hoods		3	1		sqft	0				Asbestos	ACM >1%																		
652	Tramsite Hardboard	Tramsite Hardboard	associated with fume hoods		3	304	-					100, 110																				
653	Vinyl Floor Tile	12" Tile	12" x 12" white with light blue streaks		Multiple	2	1730	sqft	0				Only test mastic for PCBs at this time.	ND																		
653	Vinyl Floor Tile	12" Tile	12" x 12" white with light blue streaks		2	205	770	sqft		throughout	5527																					
653	Vinyl Floor Tile	12" Tile	12" x 12" white with light blue streaks		3	310	960	sqft		throughout	5466	78																				
654	Mastic	12" Tile Mastic	associated with 653		Multiple	2	2690	sqft	2				654A 648	ND																		Potentially Excluded PCB Product
654	Mastic	12" Tile Mastic	associated with 653		1	205	770	sqft	1	throughout	5527		Analytical report - "210302.E54.118-09237		Vinyl Floor Tile (E21)	South Center section	one (1) sample collected.	210202.E54.118-0833	11.5													
654	Mastic	12" Tile Mastic	associated with 653	yellow	3	310	960	sqft	2	throughout	5466	78			Vinyl floor tile (E2000)	Center section	two (2) samples collected.	210203.E54.130-0947	18.5													
654	Mastic	12" Tile Mastic	associated with 653	yellow	3	310	960	sqft	2	throughout	5466	78			Vinyl floor tile (E2000)	Center section	two (2) samples collected.	210203.E54.130-0948	18.1													
655	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' holes and pinholes		Multiple	2	48	sqft	2				Limited material	ND																		Not Regulated
655	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' holes and pinholes		3	310	36	sqft	1	patch	5351	78			suspended metal grid	center section	one (1) sample collected. See photo # 120-0981 for tee-hook of tile.	210203.E55.120-0960	0.88													
655	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' holes and pinholes		1	Hallway	12	sqft	1	patch	5351				Suspended metal grid	West section	one (1) sample collected.	210201.E55.118-0893	0.58													
656	Vinyl Floor Tile	12" Tile	12" x 12" shades of blue		Multiple	3	153	sqft	0				Only test mastic for PCBs at this time.	ND																		
656	Vinyl Floor Tile	12" Tile	12" x 12" shades of blue		2	200	96	sqft		throughout	5425																					
656	Vinyl Floor Tile	12" Tile	12" x 12" shades of blue		2	205	36	sqft		accent throughout	5425	58																				
656	Vinyl Floor Tile	12" Tile	12" x 12" shades of blue		1	105A	19	sqft		patch	5425																					
656.1	Mastic Adhesive	12" Tile Mastic	Associated mastic with 656		Multiple	3	153	sqft	3					ND																		PCB Bulk Product
656.1	Mastic Adhesive	12" Tile Mastic	Associated mastic with 656		2	200	98	sqft	1	throughout	5425		Analytical report - "210301.E56.118-0914"		Floor Leveler, Unpainted Concrete	North East Corner	one (1) sample collected. Floor leveling agent inseparable.	210301.E56.1.118-0914	45													
656.1	Mastic Adhesive	12" Tile Mastic	Associated mastic with 656		2	206	36	sqft	1	accent throughout	5425	58			Unpainted concrete	South East Section	one (1) sample collected. Yellow over residual black mastic. Layers inseparable.	210302.E56.1.118-0926	13000													
656.1	Mastic Adhesive	12" Tile Mastic	Associated mastic with 656	Yellow	1	105A	19	sqft	1	patch	5425				Unpainted concrete	Center Section	one (1) sample collected. Yellow over residual black mastic. Layers inseparable.	210301.E56.1.118-0888	2.8													
659	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		Multiple	4		sqft	0				TBD	ND (Previous Sampling Prior to April 2020 Report)																		
659	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		1	101	-																									
659	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		3	310	-					79																				
659	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		1	101A	-																									
659	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		1	Hallway	-			at elevator																					
660	Joint Compound	Joint Compound	Newer, Type 2		Multiple	4		sqft	0				TBD	ND (Previous Sampling Prior to April 2020 Report)																		
660	Joint Compound	Joint Compound	Newer, Type 2		1	101	-																									
660	Joint Compound	Joint Compound	Newer, Type 2		3	310	-					79																				
660	Joint Compound	Joint Compound	Newer, Type 2		1	101A	-																									
660	Joint Compound	Joint Compound	Newer, Type 2		1	Hallway	-			at elevator																					
663	Coveblase	4" Coveblase	4" blue		3	1	54	sqft	0				Only test mastic for PCBs at this time.	ND																		
663	Coveblase	4" Coveblase	4" blue		3	310	54	sqft			5466	78																				
664	Adhesive	4" Coveblase Adhesive	associated with 663		3	1	54	sqft	2				Limited material	ND																		Potentially Excluded PCB Product
664	Adhesive	4" Coveblase Adhesive	associated with 663		3	310	54	sqft	2		5466	78			Painted plaster	West wall at rooms 1108 and 1104.	two (2) samples collected. Yellow over dark brown adhesives and paint. Layers inseparable.	210203.E64.120-0954	18.4													
664	Adhesive	4" Coveblase Adhesive	associated with 663		3	310	54	sqft	2		5466	78			Painted plaster	West wall at rooms 1108 and 1104.	two (2) samples collected. Yellow over dark brown adhesives and paint. Layers inseparable.	210203.E64.120-0965	8.8													
664	Adhesive	4" Coveblase Adhesive	associated with 663		3	310	54	sqft	DUP		5466	78			Painted plaster	West wall at rooms 1108 and 1104.	one (1) duplicate sample collected. Yellow over dark brown adhesives and paint. Layers inseparable.	210203.E64.120-0966	26.8					210326.E64.131-1218 0.18 Aroclor-1254 [1]	210326.E64.131-1219 NA			210326.E64.131-1220 0.37 Aroclor-1254 [1]	210326.E64.131-1221 NA			
665	Grout	4" Tile	associated with ceramic wall tiles* blue/grey		3	3	783	sqft	0				Non mastic	ND																		
665	Grout	4" Tile	associated with ceramic wall tiles* blue/grey		3	310A	261	sqft		throughout	5453/5457																					
665	Grout	4" Tile	associated with ceramic wall tiles* blue/grey		3	310A	261	sqft		throughout	5453/5457																					
665	Grout	4" Tile	associated with ceramic wall tiles* blue/grey		3	310C	261	sqft		throughout	5453/5457																					
666	Adhesive	4" Tile Adhesive	associated with 665		3	3	783	sqft	3					ND																		TBD
666	Adhesive	4" Tile Adhesive	associated with 665		3	310A	261	sqft	1	throughout	5453/5457						VOID - no adhesive observed. mortar bed only.	VOID - see photo #120-0869													
666	Adhesive	4" Tile Adhesive	associated with 665		3	310A	261	sqft	1	throughout	5453/5457				VOID	VOID	VOID - Duplicated line	VOID	VOID												
666	Adhesive	4" Tile Adhesive	associated with 665		3	310C	261	sqft	1	throughout	5453/5457						VOID - no adhesive observed. mortar bed only.	VOID - see photo #120-0872													
667	Grout	1" Tile	associated with ceramic floor tiles* grey		3	3	117	sqft	0				Non mastic	ND																		
667	Grout	1" Tile	associated with ceramic floor tiles* grey		3	310A	39	sqft			5452																					
667	Grout	1" Tile	associated with ceramic floor tiles* grey		3	310A	39	sqft			5452																					
667	Grout	1" Tile	associated with ceramic floor tiles* grey		3	310C	39	sqft			5452																					
668	Adhesive	1" Tile Adhesive	associated with 667		3	3	117	sqft	3				Non Asthesive Mortar Bed Only	ND																		TBD
668	Adhesive	1" Tile Adhesive	associated with 667		3	310A	39	sqft	1		5452						VOID - no adhesive observed. mortar bed only.	VOID - see photo #120-0870													
668	Adhesive	1" Tile Adhesive	associated with 667		3	310A	39	sqft	1		5452				VOID	VOID	VOID - Duplicated line	VOID	VOID												
668	Adhesive	1" Tile Adhesive	associated with 667		3	310C	39	sqft	1		5452						VOID - no adhesive observed. mortar bed only.	VOID - see photo #120-0873													
669	Stair Tread Material	Stair Tread Material	blue with raised circles		Multiple	1	207	sqft	0				Only test mastic for PCBs at this time.	ND																		
669	Stair Tread Material	Stair Tread Material	blue with raised circles		1, 2 & 3	East Stairwell	207	sqft		throughout	5541																					
670	Stair Riser Material	6" Coveblase	blue 6" Coveblase		Multiple	1	207	sqft	0				Only test mastic for PCBs at this time.	ND																		
670	Stair Riser Material	6" Coveblase	blue 6" Coveblase		1, 2 & 3	East Stairwell	207	sqft		throughout	5541																					
671	Adhesive	Stair Tread/Riser	associated with 669, 670, 672		Multiple	1	322	sqft	3					ND																		PCB Bulk Product
671	Adhesive	Stair Tread/Riser	associated with 669, 670, 672		1, 2 & 3	East Stairwell	322	sqft	3	throughout	5541				Unpainted concrete/unpainted concrete/Unpainted wood	1st floor, stair tread at mid landing/1st floor, stair tread at mid landing/1st rear below 1st floor mid landing	three (3) samples collected. yellow over black and dark brown mastics. layers inseparable.	210201.E71.118-0902	1500			210325.E71.130-1180 analytical report "210325.E71.130-1180" 0.55 Aroclor-1242 [1]	210325.E71.130-1181 NA									
671	Adhesive	Stair Tread/Riser	associated with 669, 670, 672		1, 2 & 3	East Stairwell	322	sqft	3	throughout	5541				Unpainted concrete/unpainted concrete/Unpainted wood	1st floor, stair tread at mid landing/1st floor, stair tread at mid landing/1st rear below 1st floor mid landing	three (3) samples collected. yellow over black and dark brown mastics. layers inseparable.	210201.E71.118-0903	430													
671	Adhesive	Stair Tread/Riser	associated with 669, 670, 672		1, 2 & 3	East Stairwell	322	sqft	3	throughout	5541				Unpainted concrete/unpainted concrete/Unpainted wood	1st floor, stair tread at mid landing/1st floor, stair tread at mid landing/1st rear below 1st floor mid landing	three (3) samples collected. yellow over black and dark brown mastics. layers inseparable.	210201.E71.118-0904	280													
672	Stair Landing Material	Stair Landing	tan with raised circles		Multiple	1	115	sqft	0					ND																		
672	Stair Landing Material	Stair Landing	tan with raised circles		1, 2 & 3	East Stairwell	115	sqft		throughout	5541																					
673	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		1	10		sqft	0				Non mastic	ACM >1%																		
673	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		1	102	-																									
673	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		1	103	-																									
673	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		1	104	-					67																				
673	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		1	105	-																									
673	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		1	104A	-																									
673	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		1	104B	-																									
673	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		1	105A	-																									
673	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		1	105B	-																									
673	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		1	106A	-																									
673	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		1	Hallway	-																									
674	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 3		1	1		sqft	0				TBD	ND																		
674	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 3		1	108	-																									
675	Joint Compound	Joint Compound	Newer, Type 3		1	1		sqft	0				Non mastic	ND																		
675	Joint Compound	Joint Compound	Newer, Type 3		1	108	-																									
677	Carpet Mastic	Carpet Mastic	residual mastic		1	1	392	sqft	2					ND																		Potentially Excluded PCB Product
677	Carpet Mastic	Carpet Mastic	residual mastic		1	108	392	sqft	2		5402				Painted Concrete	North East Section	Two (2) Samples collected.Paint inseparable.	210201.E77.118-0899	26													
677	Carpet Mastic	Carpet Mastic	residual mastic		1	108	392	sqft	2		5402				Painted Concrete	North East Section	Two (2) Samples collected.Paint inseparable.	210201.E77.118-0890	32			210325.E108.130-1178 ND		210325.E108.130-1179 NA								

Building E - Bulk and Substrate Material Sampling Summary

Homogeneous Material	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m3)	Comments	Adhering Results %	Substrate Indicate if Painted or unpainted	Specific Sample Location	ATC Comments	Sample ID Number/Date - HA - Photo ID #'s	Total PCB Aroclor Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ATC Comments	Proposed Waste Characterization	Legend
E78	Vinyl Floor Tile	9" Tile	9" x 9" green with white & dark green streaks		1	5	1738	sqft	0				Only test mastic for PCBs at this time, asbestos	ACM >1%																			
E78	Vinyl Floor Tile	9" Tile	9" x 9" green with white & dark green streaks		1	102	511	sqft		underneath 550 & 551 throughout	5374																					
E78	Vinyl Floor Tile	9" Tile	9" x 9" green with white & dark green streaks		1	104	1004	sqft		underneath 552 & 551 throughout	5374	67																				
E78	Vinyl Floor Tile	9" Tile	9" x 9" green with white & dark green streaks		1	104A	90	sqft		throughout	5374																					
E78	Vinyl Floor Tile	9" Tile	9" x 9" green with white & dark green streaks		1	104B	103	sqft		throughout	5374																					
E78	Vinyl Floor Tile	9" Tile	9" x 9" green with white & dark green streaks		1	105A	30	sqft		throughout 1/3	5374																					
E79	Mastic	9" Tile Mastic	associated with E78		1	1	1738	sqft	3					2% Chrysotile																	Potentially Excluded PCB Product
E79	Mastic	9" Tile Mastic	associated with E78	Black	1	102	511	sqft	1	underneath 550 & 551 throughout	5374				Unpainted Concrete	South Center Section	One (1) sample collected.	210201.E79.118-0899	16.5													
E79	Mastic	9" Tile Mastic	associated with E78	Black	1	104	1004	sqft	1	underneath 550 & 551 throughout	5374	67	Analytical Report: "210201.E79.118-0879"		Unpainted concrete	center section	one (1) sample collected.	210201.E79.118-0879	21.8													
E79	Mastic	9" Tile Mastic	associated with E78		1	104A	90	sqft		throughout	5374																					
E79	Mastic	9" Tile Mastic	associated with E78		1	104B	103	sqft	1	throughout	5374				Unpainted Concrete	Center section	one (1) sample collected.	210201.E79.118-0882	25.1					210325.E79.135-1176 ND		210325.E79.135-1177 NA							
E79	Mastic	9" Tile Mastic	associated with E79		1	104B	103	sqft	DUP	throughout	5374				Unpainted Concrete	Center section	one (1)-duplicated sample collected.	210201.E79.118-0883	17													
E79	Mastic	9" Tile Mastic	associated with E79		1	105A	30	sqft		throughout 1/3	5374																					
E80	Mortar		associated with chimney brick		1	1		sqft	0				Not mastic	ND																	-
E81	Mortar		associated with chimney brick		1	103	-																								-
E81	Door Window Glazing	Door Window Glazing	associated with reinforced glass w/doors	black	Multiple	3		sqft	3				Adhesive	2% Chrysotile																	Potentially Excluded PCB Product
E81	Door Window Glazing	Door Window Glazing	associated with reinforced glass w/ doors	black	1	Hallway	-		1		5459				Painted metal to glass pane	door sidelight to room E104	one (1) sample collected.	210201.E81.118-0898	9.2													
E81	Door Window Glazing	Door Window Glazing	associated with reinforced glass w/ doors	black	2	Hallway	-		1		5459				painted metal	east wall door	one (1) sample collected.	210202.E81.118-0940	5.1													
E81	Door Window Glazing	Door Window Glazing	associated with reinforced glass w/ doors	black	3	Hallway	-		1		5459				painted metal to glass pane	door sidelight at room E303	one (1) sample collected.	210202.E81.118-0954	15													
E84	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Tee bang Recess with pinholes		Multiple	2	32	sqft	2					ND																	Not Regulated
E84	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Tee bang Recess with pinholes		1	Hallway	12	sqft	1	patch	5350				Suspended metal grid	West section	one (1) sample collected.	210201.E84.118-0852	0.82													
E84	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Tee bang Recess with pinholes		2	Hallway	20	sqft	1	patch	5350				suspended metal grid	rear entry to room E203	one (1) sample collected.	210202.E84.118-0939	0.85													
E85	Window Glazing	Window glazing associated with upper metal sash	associated with upper metal sash		Multiple	18		sqft	0				Previously Sampled - PCB:9354-17.7 ppm, asbestos	Traps <1% in Bldg E ACM >1% in other Bldgs																	
E85	Window Glazing	Window glazing associated with upper metal sash	associated with upper metal sash		1	101	-				5428/5416																					
E85	Window Glazing	Window glazing associated with upper metal sash	associated with upper metal sash		1	102	-				5428/5416																					
E85	Window Glazing	Window glazing associated with upper metal sash	associated with upper metal sash		1	104	-				5428/5416	67																				
E85	Window Glazing	Window glazing associated with upper metal sash	associated with upper metal sash		2	200	-				5428/5416																					
E85	Window Glazing	Window glazing associated with upper metal sash	associated with upper metal sash		2	201	-				5428/5416	70																				
E85	Window Glazing	Window glazing associated with upper metal sash	associated with upper metal sash		2	203	-				5428/5416																					
E85	Window Glazing	Window glazing associated with upper metal sash	associated with upper metal sash		2	205	-				5428/5416																					
E85	Window Glazing	Window glazing associated with upper metal sash	associated with upper metal sash		2	206	-				5428/5416	58																				
E85	Window Glazing	Window glazing associated with upper metal sash	associated with upper metal sash		2	207	-				5428/5416																					
E85	Window Glazing	Window glazing associated with upper metal sash	associated with upper metal sash		3	301	-				5428/5416	54																				
E85	Window Glazing	Window glazing associated with upper metal sash	associated with upper metal sash		3	302	-				5428/5416																					
E85	Window Glazing	Window glazing associated with upper metal sash	associated with upper metal sash		3	303	-				5428/5416																					
E85	Window Glazing	Window glazing associated with upper metal sash	associated with upper metal sash		3	304	-				5428/5416	101, 110																				
E85	Window Glazing	Window glazing associated with upper metal sash	associated with upper metal sash		3	305	-				5428/5416																					
E85	Window Glazing	Window glazing associated with upper metal sash	associated with upper metal sash		3	306	-				5428/5416																					
E85	Window Glazing	Window glazing associated with upper metal sash	associated with upper metal sash		3	310	-				5428/5416	78																				
E85	Window Glazing	Window glazing associated with upper metal sash	associated with upper metal sash		3	301A	-				5428/5416																					
E85	Window Glazing	Window glazing associated with upper metal sash	associated with upper metal sash		3	310D	-				5428/5416																					
VOID	Adhesive	Adhesive associated with lockers	associated with lockers		Multiple	3		sqft	3					VOID																	TBD
VOID	Adhesive	Adhesive associated with lockers	associated with wall cabinet		3	305	-				5475																					
VOID	Adhesive	Adhesive associated with lockers	associated with lockers		1	Hallway			1								VOID - no adhesive observed	VOID														
VOID	Adhesive	Adhesive associated with lockers	associated with lockers		2	Hallway	-		1								VOID - No adhesive observed	VOID														
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black										ND																	
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	101				assumed throughout					soil under concrete slab	west center section	one (1) sample collected	210712.E2050.139-1242	ND													
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	101A				assumed throughout																					
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	102				assumed throughout																					
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	104				assumed throughout					soil under concrete slab	center section	one (1) sample collected	210712.E2050.139-1243	ND													
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	104A				assumed throughout																					
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	104B				assumed throughout																					
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	104C				assumed throughout																					
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	105				assumed throughout																					
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	105A				assumed throughout																					
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	105B				assumed throughout																					
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	106				assumed throughout																					
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	106A				assumed throughout																					
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	108				assumed throughout																					
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	Hallway				assumed throughout																					
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	East Stairwell				assumed throughout																					
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	200				assumed throughout																					
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	201				assumed throughout																					
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	203				assumed throughout																					
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	205				assumed throughout																					
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	West Stair				assumed throughout																					
E2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	Hallway				assumed throughout																					
E2051	Vapor Barrier	Vapor Barrier	Vapor Barrier, behind brick exterior	black	Exterior	Exterior								ND																	
E2051	Vapor Barrier	Vapor Barrier	Vapor Barrier, behind brick exterior	black	Exterior	Exterior									Brick, Concrete and Foam Board Insulation	South elevation, center section	one (1) sample collected	210702.E2051.139-1344	8.3													
E2051	Vapor Barrier	Vapor Barrier	Vapor Barrier, behind brick exterior	black	Exterior	Exterior									Brick, Concrete and Foam Board Insulation	South elevation, center section	one (1) sample collected	210702.E2051.139-1345	7.8													

Building A - Bulk and Substrate Material Sampling Summary

Material Identification	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Location of Material	Photo Number	Air Sampling 9/20 (ng/m^3)	Air Sampling 11/20 (ng/m^3)	Asbestos Results %	Substrate (Indicate if Painted or Unpainted)	Specific Sample Location	ATC Comments	Sample ID Number (Date.H#.Photo ID #)	Total PCB Aroclor Results (ppm)	Concrete: Substrate 1/4" Depth Sample ID and Results (ppm)	Concrete: Substrate 1/4" - 3/4" Depth Sample ID and Results (ppm)	Concrete: Substrate 3/4" - 1 1/4" Depth Sample ID and Results (ppm)	Concrete: Substrate 0-1/2" Depth Sample ID and Results (ppm)	Concrete: Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Plaster: Substrate 0-1/2" Depth Sample ID and Results (ppm)	Plaster: Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Gypsum Wall Board (GWB): Substrate 0-1/2" Depth Sample ID and Results (ppm)	Gypsum Wall Board (GWB): Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Concrete Masonry Unit (CMU): Substrate 0-1/2" Depth Sample ID and Results (ppm)	Concrete Masonry Unit (CMU): Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	ATC Comments	Proposed Waste Category
A27	Vinyl Floor Tile	12" Tile	12" x 12", tan w/ rust & white streaks	Gray	Multiple	15 Rooms	8,125	sq. ft.					2% Chrysotile																		
A27	Vinyl Floor Tile	12" Tile	12" x 12", tan w/ rust & white streaks	Gray	1	101	140	sq. ft.	Throughout	4																					
A27	Vinyl Floor Tile	12" Tile	12" x 12", tan w/ rust & white streaks	Gray	2	201	140	sq. ft.	Throughout	4																					
A27	Vinyl Floor Tile	12" Tile	12" x 12", tan w/ rust & white streaks	Gray	3	324	140	sq. ft.	Throughout	4		17																			
A27	Vinyl Floor Tile	12" Tile	12" x 12", tan w/ rust & white streaks	Gray	4	402	140	sq. ft.	Throughout	4																					
A27	Vinyl Floor Tile	12" Tile	12" x 12", tan w/ rust & white streaks	Gray	-	01 (stairwell)	740	sq. ft.	Throughout	4		21.5																			
A27	Vinyl Floor Tile	12" Tile	12" x 12", tan w/ rust & white streaks	Gray	1	02 (hall)	202	sq. ft.	under carpet	4																					
A27	Vinyl Floor Tile	12" Tile	12" x 12", tan w/ rust & white streaks	Gray	1	03 (hall)	240	sq. ft.	Throughout	4																					
A27	Vinyl Floor Tile	12" Tile	12" x 12", tan w/ rust & white streaks	Gray	-	04 (stairwell)	570	sq. ft.	Throughout	4		48,52																			
A27	Vinyl Floor Tile	12" Tile	12" x 12", tan w/ rust & white streaks	Gray	-	06 (stairwell)	370	sq. ft.	Landing and 2nd floor	4																					
A27	Vinyl Floor Tile	12" Tile	12" x 12", tan w/ rust & white streaks	Gray	3	09Stairwell	370	sq. ft.	Throughout	4		39																			
A27	Vinyl Floor Tile	12" Tile	12" x 12", tan w/ rust & white streaks	Gray	3	10Hallway	3114	sq. ft.	Throughout	4		22.8																			
A27	Vinyl Floor Tile	12" Tile	12" x 12", tan w/ rust & white streaks	Gray	1	102(Bike Storage)	132	sq. ft.	Throughout	4																					
A27	Vinyl Floor Tile	12" Tile	12" x 12", tan w/ rust & white streaks	Gray	3	7Hallway	1072	sq. ft.	Throughout	4		40																			
A27	Vinyl Floor Tile	12" Tile	12" x 12", tan w/ rust & white streaks	Gray	3	8Stairwell	555	sq. ft.	Throughout	4		69																			
A27	Vinyl Floor Tile	12" Tile	12" x 12", tan w/ rust & white streaks	Gray	3	Lobby(Auditorium Entry)	200	sq. ft.	Throughout	4		40																			
A28	Mastic	12" Tile Mastic	associated with A27	Black	Multiple	15 Rooms	8,125	sq. ft.					2% Chrysotile																		PCB Bulk Product
A28	Mastic	12" Tile Mastic	associated with A27	Black	1	101	140	sq. ft.	Throughout	4																					
A28	Mastic	12" Tile Mastic	associated with A27	Black	2	201	140	sq. ft.	Throughout	4																					
A28	Mastic	12" Tile Mastic	associated with A27	Black	3	324	140	sq. ft.	Throughout	4		17																			
A28	Mastic	12" Tile Mastic	associated with A27	Black	4	402	140	sq. ft.	Throughout	4																					
A28	Mastic	12" Tile Mastic	associated with A27	Black	-	01 (stairwell)	740	sq. ft.	Throughout	4		21.5																			
A28	Mastic	12" Tile Mastic	associated with A27	Black	1	02(hall)	202	sq. ft.	under carpet	4																					
A28	Mastic	12" Tile Mastic	associated with A27	Black	1	03(hall)	240	sq. ft.	Throughout	4																					
A28	Mastic	12" Tile Mastic	associated with A27	Black	-	04(stairwell)	570	sq. ft.	Throughout	4		48,52		unpainted concrete	1st floor, southwest section	one (1) sample collected.	210106.A28.102-0086	9.4													
A28	Mastic	12" Tile Mastic	associated with A27	Black	-	06(stairwell)	370	sq. ft.	Landing and 2nd floor	4																					
A28	Mastic	12" Tile Mastic	associated with A27	Black	3	09Stairwell	370	sq. ft.	Throughout	4		39																			
A28	Mastic	12" Tile Mastic	associated with A27	Black	3	10Hallway	3114	sq. ft.	Throughout	4		22.8																			
A28	Mastic	12" Tile Mastic	associated with A27	Black	1	102(Bike Storage)	132	sq. ft.	Throughout	4																					
A28	Mastic	12" Tile Mastic	associated with A27	Black	3	7Hallway	1072	sq. ft.	Throughout	4		40																			
A28	Mastic	12" Tile Mastic	associated with A27	Black	3	8Stairwell	555	sq. ft.	Throughout	4		69		unpainted concrete	2nd floor, center section	one (1) sample collected.	210105.A28.101-0057	910				210315.A28.124-1036 3.1 Aroclor-1254 [2]	210315.A28.124-1037 ND								
A28	Mastic	12" Tile Mastic	associated with A27	Black	3	Lobby(Auditorium Entry)	200	sq. ft.	Throughout	4		40		unpainted concrete	center section	one (1) sample collected.	210106.A28.102-0131	14													
A29	Covebase	4" Covebase	4" brown	Brown	Multiple	13 Rooms	585	sq. ft.					ND																		
A29	Covebase	4" Covebase	4" brown	Brown	1	101	22	sq. ft.	Throughout	3																					
A29	Covebase	4" Covebase	4" brown	Brown	2	201	22	sq. ft.	Throughout	3																					
A29	Covebase	4" Covebase	4" brown	Brown	3	324	22	sq. ft.	Throughout	3		17																			
A29	Covebase	4" Covebase	4" brown	Brown	4	402	22	sq. ft.	Throughout	3																					
A29	Covebase	4" Covebase	4" brown	Brown	4	411	32	sq. ft.	Throughout	3																					
A29	Covebase	4" Covebase	4" brown	Brown	-	01 (stairwell)	9	sq. ft.	Throughout top landing (4th Floor)	3		21.5																			
A29	Covebase	4" Covebase	4" brown	Brown	1	03(hall)	44	sq. ft.	Throughout	3																					
A29	Covebase	4" Covebase	4" brown	Brown	-	04(stairwell)	52	sq. ft.	Throughout	3		48,52																			
A29	Covebase	4" Covebase	4" brown	Brown	3	09Stairwell	28	sq. ft.	Throughout	3		39																			
A29	Covebase	4" Covebase	4" brown	Brown	3	10Hallway	182	sq. ft.	Throughout	3		22.8																			
A29	Covebase	4" Covebase	4" brown	Brown	1	102(Bike Storage)	16	sq. ft.	Throughout	3																					
A29	Covebase	4" Covebase	4" brown	Brown	3	7Hallway	94	sq. ft.	Throughout	3		40																			
A29	Covebase	4" Covebase	4" brown	Brown	3	8Stairwell	40	sq. ft.	Throughout	3		69																			
A30	Adhesive	Covebase 4" Adhesive	associated with A29	Yellow	Multiple	13 Rooms	585	sq. ft.					ND																		Potentially Excluded PCB Product
A30	Adhesive	Covebase 4" Adhesive	associated with A29	Yellow	1	101	22	sq. ft.	Throughout	3																					
A30	Adhesive	Covebase 4" Adhesive	associated with A29	Yellow	2	201	22	sq. ft.	Throughout	3																					
A30	Adhesive	Covebase 4" Adhesive	associated with A29	Yellow	3	324	22	sq. ft.	Throughout	3		17																			
A30	Adhesive	Covebase 4" Adhesive	associated with A29	Yellow	4	402	22	sq. ft.	Throughout	3																					
A30	Adhesive	Covebase 4" Adhesive	associated with A29	Yellow	4	411	32	sq. ft.	Throughout	3																					
A30	Adhesive	Covebase 4" Adhesive	associated with A29	Yellow	-	01 (stairwell)	9	sq. ft.	Throughout top landing (4th Floor)	3		21.5																			
A30	Adhesive	Covebase 4" Adhesive	associated wit A29	Yellow	1	03(hall)	44	sq. ft.	Throughout	3																					
A30	Adhesive	Covebase 4" Adhesive	associated wit A29	Yellow/Brown	-	04(stairwell)	52	sq. ft.	Throughout	3		48,52		painted CMU	south wall	one (1) sample collected. Yellow over brown adhesive. Layers inseparable.	210106.A30.102-0084	13.7										210216.A30.125-1046 ND	210216.A30.125-1047 NA		
A30	Adhesive	Covebase 4" Adhesive	associated with A29	Yellow	3	09Stairwell	28	sq. ft.	Throughout	3		39																			
A30	Adhesive	Covebase 4" Adhesive	associated wit A29	Yellow	3	10Hallway	182	sq. ft.	Throughout	3		22.8		painted plaster	Hall section running east to west. South wall adjacent to Room 09 (Stairwell)	one (1) sample collected. Yellow over dark brown adhesive. Layers inseparable.	210106.A30.102-0150	3.7													
A30	Adhesive	Covebase 4" Adhesive	associated with A29	Yellow	1	102(Bike Storage)	16	sq. ft.	Throughout	3																					
A30	Adhesive	Covebase 4" Adhesive	associated with A29	Yellow	3	7Hallway	94	sq. ft.	Throughout	3		40																			
A30	Adhesive	Covebase 4" Adhesive	associated wit A29	Yellow	3	8Stairwell	40	sq. ft.	Throughout	3		69		painted CMU	4th floor, north wall	one (1) sample collected. yellow over residual dark brown adhesive.	210105.A30.101-0055	12.4													
A30	Adhesive	Covebase 4" Adhesive	associated wit A29	Yellow	3	8Stairwell	40	sq. ft.	Throughout	3		69		painted CMU	4th floor, north wall	one (1) sample collected. yellow over residual dark brown adhesive.	210105.A30.101-0056	11													
A31	Stair Tread Material	Stair Tread Material	raised horizontal lines, brown		Multiple	8 Rooms	2,267	sq. ft.					ND																		
A31	Stair Tread Material	Stair Tread Material	raised horizontal lines, brown	-	-	01 (stairwell)	561	sq. ft.	Throughout	37		21.5																			
A31	Stair Tread Material	Stair Tread Material	raised horizontal lines, brown	-	1	03(hall)	30	sq. ft.	Throughout	37																					
A31	Stair Tread Material	Stair Tread Material	raised horizontal lines, brown	-	-	04(stairwell)	380	sq. ft.	Throughout	37		48,52																			
A31	Stair Tread Material	Stair Tread Material	raised horizontal lines, brown	-	-	06(stairwell)	280	sq. ft.	Throughout	37																					
A31	Stair Tread Material	Stair Tread Material	raised horizontal lines, brown	-	3	09Stairwell	280	sq. ft.	Throughout	37		39																			
A31	Stair Tread Material	Stair Tread Material	raised horizontal lines, brown	-	2	205C	16	sq. ft.	Throughout	37	170																				
A31	Stair Tread Material	Stair Tread Material	raised horizontal lines, brown	-	3	8Stairwell	420	sq. ft.	Throughout	37		69																			
A31	Stair Tread Material	Stair Tread Material	raised horizontal lines, brown	-	3	Lobby(Auditorium Entry)	300	sq. ft.	Throughout Entry to Auditorium	37		40																			
A32	Adhesive	Stair Tread Adhesive	associated with A31	White/Gray/Yellow	Multiple	8 Rooms	2,267	sq. ft.					ND																		PCB Bulk Product
A32	Adhesive	Stair Tread Adhesive	associated with A31	White/Gray/Yellow	-	01 (stairwell)	561	sq. ft.	Throughout	37		21.5																			
A32	Adhesive	Stair Tread Adhesive	associated with A31	White/Gray/Yellow	1	03(hall)	30	sq. ft.	Throughout	37																					
A32	Adhesive	Stair Tread Adhesive	associated with A31	Black	-	04(stairwell)	380	sq. ft.	Throughout	37		48,52		painted concrete	1st stair tread below 3rd floor landing	one (1) sample collected. Black adhesive over grey and brown paint and leveling agent. Layers inseparable.	210106.A32.102-0083	490				210316.A32.125-1048 8.9 Aroclor-1254 [2]	210316.A32.125-1049 ND								
A32	Adhesive	Stair Tread Adhesive	associated with A31	White/Gray/Yellow	-	06(stairwell)	280	sq. ft.	Throughout	37																					
A32	Adhesive	Stair Tread Adhesive	associated with A31	White/Gray/Yellow	3	09Stairwell	280	sq. ft.	Throughout	37		39																			
A32	Adhesive	Stair Tread Adhesive	associated with A31	Yellow	2	205C	16	sq. ft.	Throughout	37	170			unpainted concrete	2nd tread above bottom level	one (1) sample collected. yellow adhesive.	210107.A32.103-0191	120													
A32	Adhesive	Stair Tread Adhesive	associated with A31	Black	3	8Stairwell	420	sq. ft.	Throughout	37		69		unpainted concrete	1st tread up from middle landing/between 2nd & 3rd floor	one (1) sample collected.	210105.A32.101-0052	95													
A32	Adhesive	Stair Tread Adhesive	associated with A31	White/Gray/Yellow	3	Lobby(Auditorium Entry)	300	sq. ft.	Throughout Entry to Auditorium	37		40																			
A33	Window Caulking	Window Caulking	Metal Casing to CMU	Gray/White	Multiple	14 Rooms		LF					3% Chrysotile																		
A33	Window Caulking	Window Caulking	Metal casing to CMU	Gray/White	1	109	-	-	-																						
A33	Window Caulking	Window Caulking	Metal casing to CMU	Gray/White	1	111	-	-	-																						
A33	Window Caulking	Window Caulking	Metal casing to CMU	Gray/White	1	112	-	-	-																						
A33	Window Caulking	Window Caulking	Metal casing to CMU	Gray/White	1	113	-	-	-																						
A33	Window Caulking	Window Caulking	Metal casing to CMU	Gray/White	1	118	-	-	-																						
A33	Window Caulking	Window Caulking	Metal casing to CMU	Gray/White	1	119	-	-	-																						
A33	Window Caulking	Window Caulking	CMU to Metal Casing	Gray/White	2	203	-	-	-		81																				
A33	Window Caulking	Window Caulking	CMU to Metal Casing	Gray/White	3	322	-	-	-																						
A33	Window Caulking	Window Caulking	Metal Casing to CMU	Gray/White	-	01 (stairwell)	-	-	-	12		21.5																			
A33	Window Caulking	Window Caulking	Metal casing to CMU	Gray/White	1	03(hall)	-	-	-																						
A33	Window Caulking	Window Caulking	Metal casing to CMU	Gray/White	1	115/116	-	-	-																						
A33	Window Caulking	Window Caulking	Metal casing to CMU	Gray/White	2	202BExercise Room	-	-	-		12																				
A33	Window Caulking	Window Caulking	CMU to Metal Casing	Gray/White	3	320B	-	-	-																						
A33	Window Caulking	Window Caulking	CMU to Metal Casing	Gray/White	3	Lobby	-	-	-			40																			
A34	Window Caulking	Window Caulking	Metal casing to metal sill	White	Multiple	14 Rooms		LF					ND																		
A34	Window Caulking	Window Caulking	Metal casing to metal sill	White	1	109	-	-	-																						
A34	Window Caulking	Window Caulking	Metal casing to metal sill	White	1	111	-	-	-																						
A34	Window Caulking	Window Caulking	Metal casing to metal sill	White	1	112	-	-	-																						
A34	Window Caulking	Window Caulking	Metal casing to metal sill	White	1	113	-	-	-																						
A34	Window Caulking	Window Caulking	Metal casing to metal sill	White	1	118	-	-	-																						
A34	Window Caulking	Window Caulking	Metal casing to metal sill	White	1	119	-	-	-																						
A34	Window Caulking	Window Caulking	Metal casing to metal sill	White	2	203	-	-	-		81																				
A34	Window Caulking	Window Caulking	Metal casing to metal sill	White	3	322	-	-	-																						
A34	Window Caulking	Window Caulking	Metal casing to metal sill	White	-	01 (stairwell)	-	-	-	12		21.5																			
A34	Window Caulking	Window Caulking	Metal casing to metal sill	White	1	03(hall)	-	-	-																						
A34	Window Caulking	Window Caulking	Metal casing to metal sill	White	1	115/116	-	-	-																						
A34	Window Caulking	Window Caulking	Metal casing to metal sill	White	2	202BExercise Room	-	-	-		12																				
A34	Window Caulking	Window Caulking	Metal casing to metal sill	White	3	320B	-	-	-																						
A34	Window Caulking	Window Caulking	Metal casing to metal sill	White	3	Lobby	-	-	-			40																			
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	Multiple	26 Rooms	11,574	sq. ft.					ND																		TBD
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	1	104	257	sq. ft.	North section only	22				suspended metal grid	northeast section	one (1) sample collected.	210108.A35.104-0243	0.75													
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	308	196	sq. ft.	Throughout	22		37																			
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	310	94	sq. ft.	Throughout	22																					
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	320	1524	sq. ft.	Throughout	22				suspended metal grid	southeast section, near door	one (1) sample collected. "EN17.10 05/28/03 ConSafe" printed on backside, see photo # 101-0063a	210105.A35.101-0063	0.21													
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	321	90	sq. ft.	Throughout	22		7.6																			
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	323	257	sq. ft.	Throughout	22																					
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	4	414	180	sq. ft.	Throughout	22																					
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	4	415	1125	sq. ft.	Throughout	22	22	17		suspended metal grid	south section, northeast corner	one (1) sample collected. "USA Radar DOSOIOS 19:11 003" printed on backside.	210104.A35.100-0022	0.2													
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	1	02(hall)	202	sq. ft.	Throughout	22																					
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	09Stairwell	200	sq. ft.	Throughout	22		39		suspended metal grid	northeast section	one (1) sampled collected.	210106.A35.102-0087	0.38													
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	10Hallway	1557	sq. ft.	Throughout	22		22.8		suspended metal grid	Hall section running north to south. Center section.	one (1) sample collected. "Armstrong" printed on backside.	210106.A35.102-0151	ND													
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	2	13Hallway	52	sq. ft.	Throughout	22																					
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	2	14Hallway	64	sq. ft.	Throughout	22				suspended metal grid	center section	one (1) sample collected.	210107.A35.103-0210	1.4													PCB Remedial Waste
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	2	15Hallway	78	sq. ft.	Throughout	22		48.8		suspended metal grid	northwest section	one (1) sample collected.	210107.A35.103-0211	0.99													
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	308E	54	sq. ft.	Throughout	22				suspended metal grid	north/center section	one (1) sample collected.	210106.A35.102-0114	0.31													
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	308F	38	sq. ft.	Throughout	22																					
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	312Cafeteria	2855	sq. ft.	Throughout	22		6.9		suspended metal grid	west/center section	one (1) sample collected. "Armstrong" printed on backside, see photo # 103-1068.	210107.A35.103-0169	ND													
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	312Cafeteria/ Snack bar Entry	325	sq. ft.	Throughout	22		5.8		suspended metal grid	northeast section	one (1) sample collected. No printing on back side.	210106.A35.102-0148	0.86													
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	312J	54	sq. ft.	Throughout	22																					
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	312P	71	sq. ft.	Throughout	22																					
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	320D	61	sq. ft.	Throughout	22																					
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	4	414A	114	sq. ft.	Throughout	22																					
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	4	415A	218	sq. ft.	Throughout	22																					
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	4	416B	229	sq. ft.	Throughout	22				suspended metal grid	south/center section	one (1) sample collected. "Made in USA 0805161145" printed on backside. Tradename illegible	210104.A35.101-0049	0.22													
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	7Hallway	1089	sq. ft.	Throughout	22		40		suspended metal grid	hall running north to south, north end, center section	one (1) sample collected. "Armstrong" printed on backside.	210106.A35.102-0145	0.52													

Legend

- Not Regulated
- TBD
- PCB Remedial Waste
- Potentially Excluded PCB Product (EPP)
- PCB Bulk Products
- * Proposed Substrate Sample Location
- =Denotes homogeneous material
- = Denotes proposed sample location
- = Denotes Duplicate Sample Collected
- ND = None Detect
- NA = Not Analyzed

Building A - Bulk and Substrate Material Sampling Summary

Material Identification	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Location of Material	Photo Number	Air Sampling 9/20 (ng/m^3)	Air Sampling 11/20 (ng/m^3)	Asbestos Results %	Substrate (Indicate if Painted or Unpainted)	Specific Sample Location	ATC Comments	Sample ID Number (Date.H#.Photo ID #)	Total PCB Aroclor Results (ppm)	Substrate 1/4" Depth Sample ID and Results (ppm)	Substrate 1/4" - 3/4" Depth Sample ID and Results (ppm)	Substrate 3/4" - 1 1/4" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	ATC Comments	Proposed Waste Category	Legend
A35	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' white short fissures with pinholes	Gray/White	3	Lobby	590	sq. ft.	Throughout	22		40																				
A36	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2', dense fissures with pinholes	Gray/White	Multiple	8 Rooms	2,723	sq. ft.					ND																		Not Regulated	
A36	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2', dense fissures with pinholes	Gray/White	1	104	257	sq. ft.	North section only	23				suspended metal grid	northeast section	one (1) sample collected.	210108.A36.104-0244	0.63														
A36	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense fissures with pinholes	Gray/White	3	10Hallway	1557	sq. ft.	Throughout	23		22.8		suspended metal grid	Hall section running north to south. Center section.	one (1) sample collected.	210106.A36.102-0152	0.77														
A36	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense fissures with pinholes	Gray/White	2	13Hallway	52	sq. ft.	Throughout	23																						
A36	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense fissures with pinholes	Gray/White	2	14Hallway	64	sq. ft.	Throughout	23																						
A36	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense fissures with pinholes	Gray/White	2	15Hallway	78	sq. ft.	Throughout	23		48.8		suspended metal grid	north/center section	one (1) sample collected.	210107.A36.103-0212	0.89														
A36	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense fissures with pinholes	Gray/White	3	312J	54	sq. ft.	Throughout	23																						
A36	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense fissures with pinholes	Gray/White	3	312P	71	sq. ft.	Throughout	23																						
A36	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense fissures with pinholes	Gray/White	3	Lobby	590	sq. ft.	Throughout	23		40																				
A37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	Multiple	19 Rooms	3,598	sq. ft.					ND																		Not Regulated	
A37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	1	108	122	sq. ft.	Throughout	264																						
A37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	2	218	48	sq. ft.	Throughout	264																						
A37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	3	325	125	sq. ft.	Throughout	264		15.9																				
A37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' dense pinholes with fissures	Gray/White	4	406	80	sq. ft.	Throughout	264																						
A37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	1	05(hall)	1056	sq. ft.	Throughout	264																						
A37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	1	103Office	90	sq. ft.	Throughout	264																						
A37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	1	103E	76	sq. ft.	Throughout	264																						
A37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	2	13Hallway	52	sq. ft.	Throughout	264																						
A37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	2	14Hallway	64	sq. ft.	Throughout	264																						
A37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	2	15Hallway	78	sq. ft.	Throughout	264		48.8		suspended metal grid	east/center section	one (1) sample collected.	210107.A37.103-0213	0.96														
A37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	2	208C	205	sq. ft.	Throughout	264		6.9		suspended metal grid	south/center section	one (1) sample collected.	210107.A37.103-0197	0.25														
A37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	2	214A	36	sq. ft.	Throughout	264																						
A37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' dense pinholes with fissures	Gray/White	3	312Cafeteria/ Snack bar Entry	325	sq. ft.	Throughout	264		5.8		suspended metal grid	southwest section	one (1) sample collected. direction arrows printed on backside.	210107.A37.103-0171	0.19														
A37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' dense pinholes with fissures	Gray/White	3	312F	231	sq. ft.	Throughout	264																						
A37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' dense pinholes with fissures	Gray/White	3	316locker room	57	sq. ft.	Throughout	264																						
A37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' dense pinholes with fissures	Gray/White	3	316storage	51	sq. ft.	Throughout	264																						
A37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	3	318A	89	sq. ft.	Throughout	264																						
A37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' dense pinholes with fissures	Gray/White	4	406C	223	sq. ft.	Throughout	264																						
A37	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense pinholes with fissures	Gray/White	3	Lobby	590	sq. ft.	Throughout	264		40																				
A38	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' acoustical fiberglass	Tan/White	2	2 Rooms	1,010	sq. ft.					ND																		Not Regulated	
A38	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' acoustical fiberglass	Tan/White	2	11Hall	932	sq. ft.	Throughout	286		30.9		suspended metal grid	south end/center section	two (2) samples collected.	210107.A38.103-0179	0.7														
A38	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' acoustical fiberglass	Tan/White	2	11Hall	932	sq. ft.	Throughout	286		30.9		suspended metal grid	south end/center section	two (2) samples collected.	210108.A38.104-0273	0.51														
A38	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' acoustical fiberglass	Tan/White	2	15Hallway	78	sq. ft.	Throughout	286		48.8		suspended metal grid	west/center section	one (1) sample collected.	210107.A38.103-0216	0.77														
A39	Covebase	4" Covebase	4" black	Black	Multiple	39 Rooms	1,086	sq. ft.					ND																			
A39	Covebase	4" Covebase	4" black	Black	3	Lobby	56	sq. ft.	Throughout	41/314		40																				
A39	Covebase	4" Covebase	4" black	Black	1	104	64	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	1	105	10	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	1	106	58	sq. ft.	Throughout	41/314	260																					
A39	Covebase	4" Covebase	4" black	Black	1	107	16	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	1	108	16	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	1	112	15	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	1	113	15	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	1	118	14	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	1	119	14	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	2	202	24	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	3	305	25	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	3	310	6	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	3	316	5	sq. ft.	Southeast section only	41/314		15.7,33.6,18.7																				
A39	Covebase	4" Covebase	4" black	Black	3	321	13	sq. ft.	Throughout	41/314		7.6																				
A39	Covebase	4" Covebase	4" black	Black	3	323	28	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	4	406	14	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	4	407	40	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	4	408	12	sq. ft.	-	41/314																						
A39	Covebase	4" Covebase	4" black	Black	4	410	16	sq. ft.	-	41/314																						
A39	Covebase	4" Covebase	4" black	Black	-	01 (stairwell)	10	sq. ft.	1st Floor Only	41/314		21.5																				
A39	Covebase	4" Covebase	4" black	Black	1	02(hall)	26	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	1	05(hall)	124	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	1	106A	18	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	1	115/116	20	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	2	12Hallway	80	sq. ft.	Throughout	41/314		25																				
A39	Covebase	4" Covebase	4" black	Black	2	13Hallway	28	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	2	14Hallway	36	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	2	15Hallway	34	sq. ft.	Throughout	41/314		48.8																				
A39	Covebase	4" Covebase	4" black	Black	4	17Hallway	76	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	3	308B	14	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	3	308C	14	sq. ft.	Throughout	41/314		57																				
A39	Covebase	4" Covebase	4" black	Black	3	308E	10	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	3	312F	18	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	4	404 (suite)	58	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	4	406A	10	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	4	406B	20	sq. ft.	Throughout	41/314																						
A39	Covebase	4" Covebase	4" black	Black	4	408A	22	sq. ft.		41/314																						
A39	Covebase	4" Covebase	4" black	Black	3	7Hallway	7	sq. ft.	Throughout	41/314		40																				
A40	Adhesive	Covebase 4" Adhesive	associated with A39		Multiple	39 Rooms	1,086	sq. ft.					ND																		PCB Bulk Product	
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	1	104	64	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	1	105	10	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	Brown	1	106	58	sq. ft.	Throughout	41/314	260			unpainted CMU	south wall, west section	one (1) sample collected.	210108.A40.104-0254	250										210331.A40.132-1228 0.76 Aroclor-1254 [1]	210331.A40.132-1229 NA			
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	1	107	16	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	1	108	16	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	1	112	15	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	1	113	15	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	1	118	14	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	1	119	14	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	2	202	24	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	3	305	25	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	3	310	6	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	3	316	5	sq. ft.	Southeast section only	41/314		15.7,33.6,18.7																				
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	3	321	13	sq. ft.	Throughout	41/314		7.6																				
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	3	323	28	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	4	406	14	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	4	407	40	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	4	408	12	sq. ft.	-	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	4	410	16	sq. ft.	-	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	beige/Dark Brown	-	01 (stairwell)	10	sq. ft.	1st Floor Only	41/314		21.5				one (1) sample collected in Room 02 (Hall).	VOID															
A40	Adhesive	Covebase 4" Adhesive	associated with A39		1	02(hall)	26	sq. ft.	Throughout	41/314				painted CMU	northeast corner	one (1) sample collected. Taken in Room 02 (Hall) instead of 01 (Stairwell). beige over dark brown	210106.A40.102-0137	2.1														
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	1	05(hall)	124	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	1	106A	18	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	1	115/116	20	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	2	12Hallway	80	sq. ft.	Throughout	41/314		25																				
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	2	13Hallway	28	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	2	14Hallway	36	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	2	15Hallway	34	sq. ft.	Throughout	41/314		48.8																				
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	4	17Hallway	76	sq. ft.		41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	3	308B	14	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	Brown	3	308C	14	sq. ft.	Throughout	41/314		57		painted plaster	east wall, center section	one (1) sample collected.	210106.A40.102-0110	370						210316.A40.125-1053 3.9 Aroclor-1248 [1], Aroclor-1254 [2]	-	-	210406.A40.135-1323 9.3 Aroclor-1248 [1], Aroclor 1254[1]			GWB behind plaster.		
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	3	308E	10	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	3	312F	18	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	4	404 (suite)	58	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	4	406A	10	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	4	406B	20	sq. ft.	Throughout	41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	4	408A	22	sq. ft.		41/314																						
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	3	7Hallway	7	sq. ft.	Throughout	41/314		40																				
A40	Adhesive	Covebase 4" Adhesive	associated with A39	-	3	Lobby	56	sq. ft.	Throughout	41/314		40																				
A41	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks	White	1	6 Rooms	1870	sq. ft.					ND																			
A41	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks	White	1	112	121	sq. ft.	Throughout	54/61																						
A41	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks	White	1	113	130	sq. ft.	Throughout	54/61																						
A41	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks	White	1	118	117	sq. ft.	Throughout	54/61																						
A41	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks	White	1	119	118	sq. ft.	Throughout	54/61																						
A41	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks	White	1	05(hall)	1056	sq. ft.	Throughout	54/61																						
A41	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks	White	1	115/116	328	sq. ft.	Throughout	54/61																						
A42	Vinyl Floor Tile	12" Tile	12" x 12" shades of blue	Blue	1	1 Rooms	1056	sq. ft.					ND																			
A42	Vinyl Floor Tile	12" Tile	12" x 12" shades of blue	Blue	1	05(hall)	1056	sq. ft.	Throughout	54/61																						
A43	Mastic	12" Tile Mastic	associated with A41	Black/Beige/Yellow	1	6 Rooms	1870	sq. ft.					2% Chrysotile																		PCB Bulk Product	
A43	Mastic	12" Tile Mastic	associated with A41	Pale yellow/ thin layer	1	112	121	sq. ft.	Throughout	54/61						room inaccessible. no sample collected in Room A112. one (1) sample collected in Room A113 as substitute.	not sampled															
A43	Mastic	12" Tile Mastic	associated with A41	pale yellow/ thin layer	1	113	130	sq. ft.	Throughout	54/61				unpainted concrete	center section	one (1) sample collected as substitute to Room A112.	210108.A43.104-0259	1.9														
A43	Mastic	12" Tile Mastic	associated with A41	pale yellow/ thin layer	1	118	117	sq. ft.	Throughout	54/61				unpainted concrete	center section	one (1) sample collected.	210108.A43.104-0262	1.3														
A43	Mastic	12" Tile Mastic	associated with A41	Black/Beige/Yellow	1	119	118	sq. ft.	Throughout	54/61																						
A43	Mastic	12" Tile Mastic	associated with A41 and A42	yellow	1	05(hall)	1056	sq. ft.	Throughout	54/61				unpainted concrete	west end, center section	one (1) sample collected. very thin pale yellow layer.	210108.A43.104-0258	2700				210315.A43.124-1032 9.6 Aroclor-1254 [2]	210315.A43.124-1033 ND									
A43	Mastic	12" Tile Mastic	associated with A41	Black/Beige/Yellow	1	115/116	328	sq. ft.	Throughout	54/61																						
A44	Glue Daubs	Glue Daubs associated with ceiling tiles	associated with A48		Multiple	5 Rooms	10104	sq. ft.					ND																		Potentially Excluded PCB Product	
A44	Glue Daubs	Glue Daubs associated with ceiling tiles	associated with A48	Dark Brown	1	104	2233	sq. ft.	Throughout	16				painted plaster	northwest section	one (1) sample collected.	210108.A44.104-0245	5.7														
A44	Glue Daubs	Glue Daubs associated with ceiling tiles	associated with A48	Dark Brown	1	106	730	sq. ft.	Throughout	16	260			painted plaster	west/center section	one (1) sample collected.	210108.A44.104-0252	6						210331.A44.132-1230 0.56 Aroclor-1248 [2]	-	-	210331.A44.132-1231 NA			GWB above painted plaster		
A44	Glue Daubs	Glue Daubs associated with ceiling tiles	associated with A48	-	-	06(stairwell)	200	sq. ft.	2nd floor	16						VOID - material not present in room	VOID															
A44	Glue Daubs	Glue Daubs associated with ceiling tiles	associated with A48	-	1	106A	154	sq. ft.	Throughout	16																						
A44	Glue Daubs	Glue Daubs associated with ceiling tiles	associated with A48	-	3	Auditorium	6787	sq. ft.	Throughout	16	17	20				VOID - no glue daubs observed. On suspended metal grid.	VOID															

Building A - Bulk and Substrate Material Sampling Summary

Material Identification	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Location of Material	Photo Number	Air Sampling 9/20 (ng/m^3)	Air Sampling 11/20 (ng/m^3)	Asbestos Results %	Substrate (Indicate if Painted or Unpainted)	Specific Sample Location	ATC Comments	Sample ID Number (Date.H#.Photo ID #)	Total PCB Aroclor Results (ppm)	Substrate 1/4" Depth Sample ID and Results (ppm)	Substrate 1/4" - 3/4" Depth Sample ID and Results (ppm)	Substrate 3/4" - 1 1/4" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	ATC Comments	Proposed Waste Category	Legend
A45/45.1	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	Multiple	37 Rooms	14355	sq. ft.					ND																			
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	1	109	302	sq. ft.	Throughout	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	1	110	16	sq. ft.	South wall	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	1	111	302	sq. ft.	Throughout	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	203	36	sq. ft.	East wall	49/51/274	81					Void - no ceramic wall tile in Room A203 (electrical room).	VOID - See Photo # 103-0178															
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	222	16	sq. ft.	Shower Area	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	224	2205	sq. ft.	Shower and Bathroom Areas	49/51/274	14	19																				
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	311	60	sq. ft.	at east and west walls	49/51/274	1.1																					
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312	2124	sq. ft.	throughout	49/51/274	12	5.8																				
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	315	16	sq. ft.	-	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	316	1207	sq. ft.	throughout	49/51/274		15.7,33.6,18.7																				
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	317	896	sq. ft.	assumed under newer ceramic wall tile	49/51/274		6.5																				
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	318	30	sq. ft.	east wall	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	319	688	sq. ft.	assumed under newer ceramic wall tile	49/51/274			ND																			
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	320	30	sq. ft.	southeast corner	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	322	30	sq. ft.	At entrance, north wall	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	4	407	16	sq. ft.	-	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	4	409	16	sq. ft.	south wall	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	1	05(hall)	15	sq. ft.	water fountain	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	1	103D	225	sq. ft.	Shower Stalls	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	206B	608	sq. ft.	Showers	49/51/274		10																				
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	208E	940	sq. ft.	Showers	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	208F	915	sq. ft.	Showers and Bathroom Areas	49/51/274		11																				
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	210A	262	sq. ft.	Throughout	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	214A	244	sq. ft.	Shower Area	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	218A	186	sq. ft.	Shower Area	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	304B	144	sq. ft.	throughout	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	304D	144	sq. ft.	throughout	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312Cafeteria Snack bar/Entry/Hall	260	sq. ft.	east wall at Snack Bar	49/51/274		5.8																				
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312F	432	sq. ft.	throughout	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312L	198	sq. ft.	throughout	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312M	612	sq. ft.	throughout	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312N	270	sq. ft.	throughout	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312R	16	sq. ft.		49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	321A	232	sq. ft.	throughout	49/51/274																						
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	7Hallway	16	sq. ft.	at water fountain	49/51/274		40																				
A45	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	2	Nordic Ski Room	630	sq. ft.	Throughout	49/51/274		17																				
A45.1	Grout	Grout associated with 4" wall tile	associated with ceramic wall tile 4" white/yellow/blue/gray	White	3	312	16	sq. ft.	south section	49/51/274	12	5.8																				
A46/46.1/46.2	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with 4" ceramic wall tile, yellow/gray/blue	Gray	Multiple	37 Rooms	14355	sq. ft.					Trace <1%																		TBD	
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with 4" ceramic wall tile, yellow/gray/blue	Gray	1	109	302	sq. ft.	Throughout	49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with 4" ceramic wall tile, yellow/gray/blue	Gray	1	110	16	sq. ft.	South Wall	49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with 4" ceramic wall tile, yellow/gray/blue	Gray	1	111	302	sq. ft.	Throughout	49/51/274						VOID - no adhesive observed. mortar bed only.	VOID															
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	2	203	36	sq. ft.	East wall	49/51/274	81					Void - no ceramic wall tile in Room A203 (electrical room).	VOID - See Photo # 103-0178															
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	2	222	16	sq. ft.	Shower Area	49/51/274						VOID - No adhesive observed. Mortar bed only.	VOID															
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	2	224	2205	sq. ft.	Shower and Bathroom Areas	49/51/274	14	19				VOID - no adhesive observed. mortar bed only.	VOID - See Photo # 103-0207															
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	3	311	60	sq. ft.	at east and west walls	49/51/274	1.1					VOID - no adhesive observed. mortar bed only.	VOID - See Photo # 101-0071															
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	3	312	2124	sq. ft.	throughout	49/51/274	12	5.8				VOID - no adhesive observed. mortar bed only.	VOID - See Photo # 104-0229															
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	3	315	16	sq. ft.		49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	3	316	1207	sq. ft.	throughout	49/51/274		15.7,33.6,18.7																				
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	3	317	896	sq. ft.	assumed under newer ceramic wall tile	49/51/274		6.5																				
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	3	318	30	sq. ft.	east wall	49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	3	319	688	sq. ft.	assumed under newer ceramic wall tile	49/51/274			0.25% Chrysotile																			
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	3	320	30	sq. ft.	southeast corner	49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	3	322	30	sq. ft.	At entrance, north wall	49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with	Gray	4	407	16	sq. ft.	south wall	49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	4	409	16	sq. ft.		49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	1	05(hall)	15	sq. ft.	water fountain	49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with 4" ceramic wall tile, yellow/gray/blue	Gray	1	103D	225	sq. ft.	Shower Stalls	49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	2	206B	608	sq. ft.	Showers	49/51/274		10				VOID - no adhesive observed. Mortar bed only																
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	2	208E	940	sq. ft.	Showers	49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Yellow	2	208F	915	sq. ft.	Showers and Bathroom Areas	49/51/274		11		unpainted concrete	half wall between showers.	Patching. one (1) sample collected. Original is on mortar bed only.	210107.A46.103-0189	1.52														
A46	Adhesive	Adhesive associated with 4" ceramic wall tlem	associated with A45	Yellow	2	208F	915	sq. ft.						unpainted concrete	half wall between showers.	Patching. one (1) sample collected. Original is on mortar bed only.	210107.A46.103-0190	0.61														
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	2	210A	262	sq. ft.	Throughout	49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	2	214A	244	sq. ft.	Shower Area	49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	2	218A	186	sq. ft.	Shower Area	49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	3	304B	144	sq. ft.	throughout	49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	3	304D	144	sq. ft.	throughout	49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	3	312Cafeteria Snack bar/Entry/Hall	260	sq. ft.	east wall at Snack Bar	49/51/274		5.8				VOID - no adhesive observed. Mortar bed only.	VOID - See Photo #103-0175															
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	3	312F	432	sq. ft.	throughout	49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	3	312L	198	sq. ft.	throughout	49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	3	312M	612	sq. ft.	throughout	49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	3	312N	270	sq. ft.	throughout	49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	3	312R	16	sq. ft.	-	49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	3	321A	232	sq. ft.	throughout	49/51/274																						
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	3	7Hallway	16	sq. ft.	at water fountain	49/51/274		40																				
A46	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45	Gray	2	Nordic Ski Room	630	sq. ft.	Throughout	49/51/274		17																				
A46.1	Adhesive (noted previously as Mortar)	Adhesive associated with 4" ceramic wall tlem	associated with A45.1	Gray	3	312	16	sq. ft.	south section	49/51/274	12	5.8																				
A46.2	Adhesive	Adhesive	associated with A45			1 Room							ND																			
A46.2	Adhesive Patch	Adhesive	associated with A45	-	2	208F	-	-	Showers																							
A47	Door Caulking	Door Caulking	Metal casing to CMU	Beige	Multiple	3 Rooms		LF					ND																			
A47	Door Caulking	Door Caulking	Metal casing to CMU	Beige	1	104	-	-																								
A47	Door Caulking	Door Caulking	Metal casing to CMU	Beige	1	107	-	-																								
A47	Door Caulking	Door Caulking	Metal casing to wall	Beige	3	Auditorium	-	-			17	20																				
A48	Suspended Ceiling Tile	Suspended Ceiling Tile	1'x 1' dense fissures	Gray/White	Multiple	10 Rooms	17705	sq. ft.					ND																		PCB Remedial Waste	
A48	Suspended Ceiling Tile	Suspended Ceiling Tile	1'x 1' dense fissures	Gray/White	1	104	2233	sq. ft.	Throughout	16				glue daubs (A44)/painted plaster	northwest section	one (1) sample collected.	210108.A48.104-0246	2.3														
A48	Suspended Ceiling Tile	Suspended Ceiling Tile	1' x 1' dense fissures	Gray/White	1	106	730	sq. ft.	Throughout	16	260			glue daub (A44)/painted plaster	west/center section	one (1) sample collected.	210108.A48.104-0253	1.3														
A48	Suspended Ceiling Tile	Suspended Ceiling Tile	1' x 1' dense fissures	Gray/White	1	112	121	sq. ft.	Throughout	16						room inaccessible. no sample collected.	VOID															
A48	Suspended Ceiling Tile	Suspended Ceiling Tile	1' x 1' dense fissures	Gray/White	1	113	130	sq. ft.	Throughout	16				suspended metal grid	northeast section	one (1) sample collected.	210108.A48.104-0260	1.1														
A48	Suspended Ceiling Tile	Suspended Ceiling Tile	1' x 1' dense fissures	Gray/White	1	118	117	sq. ft.	Throughout	59				suspended metal grid	center section	one (1) sample collected.	210108.A48.104-0263	1.1														
A48	Suspended Ceiling Tile	Suspended Ceiling Tile	1' x 1' dense fissures	Gray/White	1	119	118	sq. ft.	Throughout	59				suspended metal grid	center section	one (1) sample collected.	210108.A48.104-0264	0.75														
A48	Suspended Ceiling Tile	Suspended Ceiling Tile	1' x 1' dense fissures	Gray/White	-	06(stairwell)	200	sq. ft.	2nd floor	16				suspended metal grid	2nd floor, at landing near exterior door	one (1) sample collected.	210108.A48.104-0265	0.52														
A48	Suspended Ceiling Tile	Suspended Ceiling Tile	1' x 1' dense fissures	Gray/White	1	106A	154	sq. ft.	Throughout	16																						
A48	Suspended Ceiling Tile	Suspended Ceiling Tile	1' x 1' dense fissures	Gray/White	1	115/116	328	sq. ft.	Throughout	16				suspended metal grid	southeast section	one (1) sample collected.	210108.A48.104-0261	0.59														
A48	Suspended Ceiling Tile	Suspended Ceiling Tile	1' x 1' dense fissures	Gray/White	3	Auditorium	6787	sq. ft.	Throughout	16	17	20		suspended metal grid unpainted plaster, glue daubs (A104)	north center section light booth, south wall	two (2) samples collected.	210106.A48.102-0153	0.73														
A48	Suspended Ceiling Tile	Suspended Ceiling Tile	1' x 1' dense fissures	Gray/White	3	Auditorium	6787	sq. ft.	Throughout	16	17	20		suspended metal grid unpainted plaster, glue daubs (A104)	north center section light booth, south wall	two (2) samples collected.	210106.A48.102-0159	2														
A49	Adhesive	Adhesive associated with press board	associated with pressed board (peg board)	-	Multiple	6 Rooms	626	sq. ft.					VOID no adhesive observed																		TBD	
A49	Adhesive	Adhesive associated with press board	associated with pressed board (peg board)	-	1	106	10	sq. ft.	East wall	57	260					VOID - no adhesive observed.	VOID															
A49	Adhesive	Adhesive associated with press board	associated with pressed board (peg board)	-	1	118	102	sq. ft.	West Wall	57																						
A49	Adhesive	Adhesive associated with press board	associated with pressed board (peg board)	-	1	119	102	sq. ft.	West Wall	57																						
A49	Adhesive	Adhesive associated with press board	associated with pressed board (peg board)	-	1	103Tool Storage	144	sq. ft.	north wall	57						VOID - no adhesive observed	VOID															
A49	Adhesive	Adhesive associated with press board	associated with pressed board (peg board)	-	1	115/116	208	sq. ft.	East and West walls	57																						
A49	Adhesive	Adhesive associated with press board	associated with pressed board (peg board)	-	2	203C	60	sq. ft.	west wall	57						VOID - no adhesive observed.	VOID															
A50	Concrete Patching	Concrete Patching associated with Corrugated Roof Decking	associated with Corrugated Roof Decking	-	1	3 Rooms		sq. ft.					VOID material is CMU Mortar																			
A50	Concrete Patching	Concrete Patching associated with Corrugated Roof Decking	associated with Corrugated Roof Decking	-	1	107	-	-																								
A50	Concrete Patching	Concrete Patching associated with Corrugated Roof Decking	associated with Corrugated Roof Decking	-	1	108	-	-																								
A50	Concrete Patching	Concrete Patching associated with Corrugated Roof Decking	associated with Corrugated Metal Roof Deck	-	1	110	-	-																								
A51	Grout	Grout associated with 1" ceramic floor tile	associated with 1" ceramic floor tile gray with white specks and green with white specks	Gray	Multiple	14 Rooms	2370	sq. ft.					ND																			
A51	Grout	Grout associated with 1" ceramic floor tile	associated with 1" ceramic floor tile gray with white specks and green with white specks	Gray	1	109	105	sq. ft.	Throughout	46/253/274																						
A51	Grout	Grout associated with 1" ceramic floor tile	associated with 1" ceramic floor tile gray with white specks and green with white specks	Gray	1	111	105	sq. ft.	Throughout	46/253/274																						
A51	Grout	Grout associated with 1" ceramic floor tile	associated with 1" ceramic floor tile gray with white specks and green with white specks	Gray	2	224	377	sq. ft.	Bathroom Area	46/253/274	14	19																				
A51	Grout	Grout associated with 1" ceramic floor tile	associated with 1" ceramic floor tile gray with white specks and green with white specks	Gray	3	317	190	sq. ft.	Throughout (assumed under newer ceramic floor tile)	46/253/274		6.5																				
A51	Grout	Grout associated with 1" ceramic floor tile	associated with 1" ceramic floor tile gray with white specks and green with white specks	Gray	3	319	138	sq. ft.	Throughout (assumed under newer ceramic floor tile)	46/253/274																						
A51	Grout	Grout associated with 1" ceramic floor tile	associated with 1" ceramic floor tile gray with white specks and green with white specks	Gray	2	206B	165	sq. ft.	Showers	46/253/274		10																				
A51	Grout	Grout associated with 1" ceramic floor tile	associated with 1" ceramic floor tile gray with white specks and green with white specks	Gray	2	208B	66	sq. ft.	South section only	46/253/274																						
A51	Grout	Grout associated with 1" ceramic floor tile	associated with 1" ceramic floor tile gray with white specks and green with white specks	Gray	2	208E	352	sq. ft.	Showers	46/253/274																						
A51	Grout	Grout associated with 1" ceramic floor tile	associated with 1" ceramic floor tile gray with white specks and green with white specks	Gray	2	208F	482	sq. ft.	Showers and Bathroom Areas	46/253/274		11																				
A51	Grout	Grout associated with 1" ceramic floor tile	associated with 1" ceramic floor tile gray with white specks and green with white specks	Gray	2	210A	62	sq. ft.	Throughout	46/253/274																						
A51	Grout	Grout associated with 1" ceramic floor tile	associated with 1" ceramic floor tile gray with white specks and green with white specks	Gray	2	214A	42	sq. ft.	Shower Area	46/253/274																						
A51	Grout	Grout associated with 1" ceramic floor tile	associated with 1" ceramic floor tile gray with white specks and green with white specks	Gray	2	218A	39	sq. ft.	Shower Area	46/253/274																						
A51	Grout	Grout associated with 1" ceramic floor tile	associated with 1" ceramic floor tile gray with white specks and green with white specks	Gray	3	321A	49	sq. ft.	throughout	46/253/274																						
A51	Grout	Grout associated with 1" ceramic floor tile	associated with 1" ceramic floor tile gray with white specks and green with white specks	Gray	2	Nordic Ski Room	198	sq. ft.	Shower Area	46/253/274		17																				
A52	Adhesive	Adhesive associated with grout associated with ceramic floor tile	associated with A51	Gray	Multiple	14 Rooms	2370	sq. ft.					ND																		TBD	
A52	Adhesive	Adhesive associated with grout associated with ceramic floor tile	associated with A51	Gray	1	109	105	sq. ft.	Throughout	46/253/274						VOID - no adhesive observed. mortar bed only	VOID															
A52	Adhesive	Adhesive associated with grout associated with ceramic floor tile	associated with A51	Gray	1	111	105	sq. ft.	Throughout	46/253/274																						
A52	Adhesive	Adhesive associated with grout associated with ceramic floor tile	associated with A51	Gray	2	224	377	sq. ft.	Bathroom Area	46/253/274	14	19				VOID - no adhesive observed. mortar bed only.	VOID - See Photo # 103-0208															
A52	Adhesive	Adhesive associated with grout associated with ceramic floor tile	associated with A51	Gray	3	317	190	sq. ft.	Throughout (assumed under newer ceramic floor tile)	46/253/274		6.5				VOID - no adhesive observed. mortar bed only.	VOID															
A52	Adhesive	Adhesive associated with grout associated with ceramic floor tile	associated with A51	Gray	3	319	138	sq. ft.	Throughout (assumed under newer ceramic floor tile)	46/253/274																						
A52	Adhesive	Adhesive associated with grout associated with ceramic floor tile	associated with A51	Gray	2	206B	165	sq. ft.	Showers	46/253/274		10																				

Building A - Bulk and Substrate Material Sampling Summary

Material Identification	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Location of Material	Photo Number	Air Sampling 9/20 (ng/m^3)	Air Sampling 11/20 (ng/m^3)	Asbestos Results %	Substrate (Indicate if Painted or Unpainted)	Specific Sample Location	ATC Comments	Sample ID Number (Date.H# Photo ID #)	Total PCB Aroclor Results (ppm)	Substrate 1/4" Depth Sample ID and Results (ppm)	Substrate 1/4" - 3/4" Depth Sample ID and Results (ppm)	Substrate 3/4" - 1 1/4" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	ATC Comments	Proposed Waste Category	Legend
A52	Adhesive	Adhesive associated with grout associated with ceramic floor tile	associated with A51	Gray	2	208B	66	sq. ft.	South section only	46/253/274																						
A52	Adhesive	Adhesive associated with grout associated with ceramic floor tile	associated with A51	Gray	2	208E	352	sq. ft.	Showers	46/253/274																						
A52	Adhesive	Adhesive associated with grout associated with ceramic floor tile	associated with A51	Gray	2	208F	482	sq. ft.	Showers and Bathroom Areas	46/253/274		11																				
A52	Adhesive	Adhesive associated with grout associated with ceramic floor tile	associated with A51	Gray	2	210A	62	sq. ft.	Throughout	46/253/274																						
A52	Adhesive	Adhesive associated with grout associated with ceramic floor tile	associated with A51	Gray	2	214A	42	sq. ft.	Shower Area	46/253/274																						
A52	Adhesive	Adhesive associated with grout associated with ceramic floor tile	associated with A51	Gray	2	218A	39	sq. ft.	Shower Area	46/253/274																						
A52	Adhesive	Adhesive associated with grout associated with ceramic floor tile	associated with A51	Gray	3	321A	49	sq. ft.	throughout	46/253/274																						
A52	Adhesive	Adhesive associated with grout associated with ceramic floor tile	associated with A51	Gray	2	Nordic Ski Room	198	sq. ft.	Shower Area	46/253/274		17																				
A54	Grout	0	associated with ceramic floor tile6" tan quarry tile	Gray	3	1 Room	-	sq. ft.	-				ND																			
A54	Grout	0	associated with ceramic floor tile6" tan quarry tile	Gray	3	Bistro	-	-	-																							
A55	Adhesive	6" Tile Adhesive	associated with A54	White	3	1 Room	-	sq. ft.	-				ND																		PCB Bulk Product	
A55	Adhesive	6" Tile Adhesive	associated with A54	White	3	Bistro	-	-	-					unpainted concrete	southeast corner at door	two (2) samples collected (limited access)	210108.A55.104-0233	350	210316.A55.125-1061 3.3 Aroclor-1248 [2], Aroclor-1254 [2], Aroclor-1260 [2]	210316.A55.125-1062 ND											PCB Bulk Product	
A55	Adhesive	6" Tile Adhesive	associated with A54	White	3	Bistro	-	-	-					unpainted concrete	southeast corner at door	two (2) samples collected (limited access)	210108.A55.104-0234	140													PCB Bulk Product	
A56	Adhesive	Adhesive associated with mirrors	associated with Mirrors	-	Multiple	18 Rooms	91	sq. ft.					VOID no adhesive observed																		TBD	
A56	Adhesive	Adhesive associated with mirrors	associated with Mirrors	-	1	109	6	sq. ft.	East Wall	48/277						VOID - no adhesive observed. on anchors/brackets.	VOID															
A56	Adhesive	Adhesive associated with mirrors	associated with Mirrors	-	1	111	6	sq. ft.	West Wall	48/277																						
A56	Adhesive	Adhesive associated with mirrors	associated with Mirrors	-	2	224	6	sq. ft.	-	48/277	14	19				VOID - no adhesive observed. on anchors/brackets.	VOID															
A56	Adhesive	Adhesive associated with mirrors	associated with Mirrors	-	2	224	12	sq. ft.	-	48/277	14	19				VOID - DUPLICATED LINE	VOID															
A56	Adhesive	Adhesive associated with mirrors	associated with Mirrors	-	3	317	6	sq. ft.	north wall	48/277		6.5																				
A56	Adhesive	Adhesive associated with mirrors	associated with Mirrors	-	3	319	6	sq. ft.	north wall	48/277																						
A56	Adhesive	Adhesive associated with mirrors	associated with Mirrors	-	2	202B	16	sq. ft.	-	48/277																						
A56	Adhesive	Adhesive associated with mirrors	associated with Mirrors	-	2	206B	6	sq. ft.	-	48/277		10																				
A56	Adhesive	Adhesive associated with mirrors	associated with Mirrors	-	2	208E	3	sq. ft.	-	48/277																						
A56	Adhesive	Adhesive associated with mirrors	associated with Mirrors	-	2	208F	3	sq. ft.	-	48/277		11																				
A56	Adhesive	Adhesive associated with mirrors	associated with Mirrors	-	2	210A	3	sq. ft.	-	48/277																						
A56	Adhesive	Adhesive associated with mirrors	associated with Mirrors	-	2	218A	3	sq. ft.	-	48/277																						
A56	Adhesive	Adhesive associated with mirrors	associated with Mirrors	-	3	304B	3	sq. ft.	-	48/277																						
A56	Adhesive	Adhesive associated with mirrors	associated with Mirrors	-	3	304D	3	sq. ft.	-	48/277																						
A56	Adhesive	Adhesive associated with mirrors	associated with Mirrors	-	3	312L	3	sq. ft.	-	48/277																						
A56	Adhesive	Adhesive associated with mirrors	associated with Mirrors	-	3	312N	3	sq. ft.	-	48/277																						
A56	Adhesive	Adhesive associated with mirrors	associated with Mirrors	-	3	321A	3	sq. ft.	-	48/277																						
A58	Fire Stop Caulk	Fire Stop Caulk	-	Red	Multiple	2 Rooms	-	sq. ft.	-				ND																			
A58	Fire Stop Caulk	Fire Stop Caulk	-	Red	1	102(Bike Storage)	-	-	-																							
A58	Fire Stop Caulk	Fire Stop Caulk	-	Red	2	205BArea Inaccessible	-	-	-																							
A59	Vinyl Floor Tile	9" Tile	9" x 9" gray with white steaks	-	Multiple	5 Rooms	479	sq. ft.	-				ACBM >1% Previously Sampled																			
A59	Vinyl Floor Tile	9" Tile	9" x 9" gray with white steaks	-	1	105	48	sq. ft.	Throughout	26																						
A59	Vinyl Floor Tile	9" Tile	9" x 9" olive/gray with white steaks	-	1	107	150	sq. ft.	Throughout	26																						
A59	Vinyl Floor Tile	9" Tile	9" x 9" gray with white steaks	-	1	108	127	sq. ft.	Throughout	26																						
A59	Vinyl Floor Tile	9" Tile	9" x 9" gray with white steaks	-	1	106A	154	sq. ft.	Throughout	26																						
A60	Mastic	9" Tile Mastic	associated with A59	-	Multiple	5 Rooms	479	sq. ft.					ND																		PCB Bulk Product	
A60	Mastic	9" Tile Mastic	associated with A59	Black	1	105	48	sq. ft.	Throughout	26				unpainted concrete	center section	one (1) sample collected.	210108.A60.104-0247	3200	210315.A60.124-1030 19 Aroclor-1254 [2]	210315.A60.124-1031 0.55 Aroclor1254 [2]												
A60	Mastic	9" Tile Mastic	associated with A59	-	1	107	150	sq. ft.	Throughout	26				unpainted concrete	center section	one (1) sample collected.	210108.A60.104-0256	91														
A60	Mastic	9" Tile Mastic	associated with A59	-	1	107	150	sq. ft.						unpainted concrete	center section	one (1) duplicate sample collected.	210108.A60.104-0257	98														
A60	Mastic	9" Tile Mastic	associated with A59	-	1	108	127	sq. ft.	Throughout	26																						
A60	Mastic	9" Tile Mastic	associated with A59	-	1	106A	154	sq. ft.	Throughout	26																						
A61	Gypsum Wall Board	Gypsum Wall Board	-	-	Multiple	2 Rooms	-	sq. ft.	-				ND																			
A61	Gypsum Wall Board	Gypsum Wall Board	-	-	1	104	-	-	-																							
A61	Gypsum Wall Board	Gypsum Wall Board	-	-	3	Auditorium	-	-	-		17	20																				
A67	Vinyl Floor Tile	12" Tile	12" x 12", white with black and gray streaks	Gray	1	1 Room	514	sq. ft.					3% Chrysotile																			
A67	Vinyl Floor Tile	12" Tile	12" x 12", white with black and gray streaks	Gray	1	104	514	sq. ft.	North section only	19																						
A68	Mastic	12" Tile Mastic	associated with A67	Black	1	1 Room	514	sq. ft.					2% Chrysotile																		PCB Bulk Product	
A68	Mastic	12" Tile Mastic	associated with A67	Black	1	104	514	sq. ft.	North section only	19				unpainted concrete	northeast sectionnorth/center section	two (2) samples collected. yellow residual mastic observed underneath. layers inseparable.	210108.A68.104-0239	23	210315.A68.124-1028 ND	210315.A68.124-1029 NA												
A68	Mastic	12" Tile Mastic	associated with A67	Black	1	104	514	sq. ft.	North section only	19				unpainted concrete	northeast sectionnorth/center section	two (2) samples collected. yellow residual mastic observed underneath. layers inseparable.	210108.A68.104-0240	13														
A68	Mastic	12" Tile Mastic	associated with A67	Black	1	104	514	sq. ft.						unpainted concrete	north/center section	one (1) duplicate sample collected.	210108.A68.104-0241	6.2														
A70	Mastic	Carpet Mastic	associate with grey carpet squares	Yellow	3	1 Room	500	sq. ft.					ND																		Not Regulated	
A70	Mastic	Carpet Mastic	associate with grey carpet squares	Yellow	3	Lobby	500	sq. ft.	East Section, At Main Entrance	101		40		unpainted concrete	center section, west edge	two (2) samples collected. Yellow over reisdual black mastic. Layers inseparable.	210106.A70.102-0127	ND														
A70	Mastic	Carpet Mastic	associate with grey carpet squares	Yellow	3	Lobby	500	sq. ft.	East Section, At Main Entrance	101		40		unpainted concrete	center section, west edge	two (2) samples collected. Yellow over residual black mastic. Layers inseparable.	210106.A70.102-0128	0.43														
A70	Mastic	Carpet Mastic	associate with grey carpet squares	Yellow	3	Lobby	500	sq. ft.	East Section, At Main Entrance	101		40		unpainted concrete	center section, west edge	one (1) duplicate sample collected. Yellow over residual black mastic. Layers inseparable.	210106.A70.102-0129	0.55														
A71	Caulking	Caulking associated with stair stringer	associated with stair stringer (metal to CMU)	-	Multiple	3 Rooms	302	LF	-				3% Chrysotile																			
A71	Caulking	Caulking associated with stair stringer	associated with stair stringer (metal to CMU)	-	-	01 (stairwell)	180	lnft	-	86		21.5																				
A71	Caulking	Caulking associated with stair stringer	associated with stair stringer (metal to CMU)	-	-	04(stairwell)	122	lnft	Throughout	86		48,52																				
A71	Caulking	Caulking associated with stair stringer	associated with stair stringer (metal to CMU)	-	3	8Stairwell	-	lnft	-	86		69																				
A75	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 4' Deep Length Fissures	Gray/White	Multiple	4 Rooms	560	sq. ft.					ND																		TBD	
A75	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 4' Deep Length Fissures	Gray/White	1	101	140	sq. ft.	Throughout	2																						
A75	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 4' Deep Length Fissures	Gray/White	2	201	140	sq. ft.	Throughout	2				suspended metal grid	center section	one (1) sample collected.	210107.A75.103-0185	0.77														
A75	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 4' Deep Length Fissures	Gray/White	3	324	140	sq. ft.	Throughout	2		17		suspended metal grid	northwest corner	one (1) sample collected.	210105.A75.101-0059	1.1													PCB Remedial Waste	
A75	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 4' Deep Length Fissures	Gray/White	4	402	140	sq. ft.	Throughout	2				suspended metal grid	center section	one (1) sample collected. no name brand, direction arrow printed on back.	210104.A75.101-0043	0.57														
A81	Sink Undercoating	Sink Undercoating	gray	Gray	1	1 Room	9	sq. ft.	-	-			ND																		Potentially Excluded PCB Product	
A81	Sink Undercoating	Sink Undercoating	gray	Gray	1	103D	9	sq. ft.	at west wall	-				metal	west wall/north sink	one (1) sample collected.	210108.A81.104-0269	2.9														
A82	Adhesive	Adhesive associated with vinyl sheet paneling	associated with vinyl sheet paneling	Tan	1	1 Room	720	sq. ft.	-	-			VOID no adhesive observed																		TBD	
A82	Adhesive	Adhesive associated with vinyl sheet paneling	associated with vinyl sheet paneling	Tan	1	103Paint Room	720	sq. ft.	Throughout	352						VOID - no adhesive observed	VOID															
A83	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	Gray	1	1 Room	-	sq. ft.	-	-			ND																		Not Regulated	
A83	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	Gray	1	103	-	-	Throughout	NS	38			unpainted metal	duct at west wall, center section	two (2) samples collected.	210108.A83.104-0267	ND														
A83	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	Gray	1	103	-	-	Throughout	NS	38			unpainted metal	duct at west wall, center section	two (2) samples collected.	210108.A83.104-0268	ND														
A90	Adhesive	Adhesive associated with lockers	associated with lockers	-	1	9 Rooms	-	sq. ft.					VOID no adhesive observed			VOID - No Adhesive Observed.	VOID														TBD	
A90	Adhesive	Adhesive associated with lockers	associated with lockers	-	1	103D	-	-	south wall	349																						
A90	Adhesive	Adhesive associated with lockers	associated with lockers	-	2	210	-	-	-	268/285						Void - no adhesive observed.																
A90	Adhesive	Adhesive associated with lockers	associated with lockers	-	2	11Hall	-	-	east wall	268/285		30.9				VOID - no adhesive observed.	VOID															
A90	Adhesive	Adhesive associated with lockers	associated with lockers	-	4	17Hallway	-	-	-	268/285																						
A90	Adhesive	Adhesive associated with lockers	associated with lockers	-	2	206B	-	-	-	268/285		10																				
A90	Adhesive	Adhesive associated with lockers	associated with lockers	-	2	208D	-	-	-	268/285																						
A90	Adhesive	Adhesive associated with lockers	associated with lockers	-	2	208E	-	-	-	268/285																						
A90	Adhesive	Adhesive associated with lockers	associated with lockers	-	2	208F	-	-	-	268/285		11				VOID - No adhesive observed.	VOID															
A90	Adhesive	Adhesive associated with lockers	associated with lockers	-	2	Nordic Ski Room	-	-	-	268/285		17				VOID - No adhesive observed.	VOID															
A91	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	Gray	Multiple	11 Rooms	54	sq. ft.	-				ND																		Potentially Excluded PCB Product	
A91	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	Gray	2	222	3	sq. ft.	-	254																						
A91	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	Gray	2	12Hallway	9	sq. ft.	-	254		25		unpainted metal	west section at ceiling	one (1) sample collected. Sample collected from unpainted metal. adjacent to painted metal.	210107.A91.103-0202	7.2														
A91	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	Gray	2	16Hallway	3	sq. ft.	-	254																						
A91	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	Gray	2	206B	3	sq. ft.	-	254		10																				
A91	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	Gray	2	208D	3	sq. ft.	-	254																						
A91	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	Gray	2	208E	3	sq. ft.	-	254																						
A91	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	Gray	2	208F	9	sq. ft.	-	254		11		unpainted metal	northwest section	one (1) sample collected. Collected form unpainted metal. adjacent to painted metal duct	210107.A91.103-0200	5.3														
A91	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	Gray	3	312H	3	sq. ft.	-	165																						
A91	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	Gray	3	320C	3	sq. ft.	-	254																						
A91	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	Gray	3	Mezzanine	12	sq. ft.	-	254																						
A91	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	Gray	2	Nordic Ski Room	3	sq. ft.	-	254		17		unpainted metal	center section	one (1) sample collected. Collected from unpainted metal.	210107.A91.103-0218	4.3														
A92	Vinyl Floor Tile	9" Tile	9" x 9" gray with black streaks	-	Multiple	11 Rooms	14577	sq. ft.	-				ACBM >1% Previously Sampled																			
A92	Vinyl Floor Tile	9" Tile	9" x 9", light gray with black and white streaks	-	2	202	230	sq. ft.	Throughout	175						Floor tile is observed to be different and unique to Room A202. Vinyl Floor Tile 9" x 9" Olive/Gray with black and white streaks																
A92	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black and white streaks	-	4	408	101	sq. ft.	-	175																						
A92	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black and white streaks	-	4	410	151	sq. ft.	-	175																						
A92	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black and white streaks	-	4	415	1056	sq. ft.	-																							
A92	Vinyl Floor Tile	9" Tile	9" x 9" gray with black streaks	-	-	06(stairwell)	60	sq. ft.	2nd floor	175																						
A92	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black and white streaks	-	2	15Hallway	393	sq. ft.	-	175		48.8																				
A92	Vinyl Floor Tile	9" Tile	9" x 9", light gray with black and white streaks	-	2	202BExercise Room	4694	sq. ft.	Throughout	175	12																					
A92	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black and white streaks	-	2	206 (Entry)	20	sq. ft.	Throughout	175																						
A92	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black and white streaks	-	2	206A	192	sq. ft.	-	175																						
A92	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black and white streaks	-	3	312Cafeteria	4736	sq. ft.	-	175		6.9				Vinyl Tile is actually 9" x 9" gray with white markings.																
A92	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black and white streaks	-	3	312Q	80	sq. ft.	-	175																						
A92	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black and white streaks	-	4	408A	232	sq. ft.	-	175																						
A92 (Previously reported as A59)	Vinyl Floor Tile	9" Tile	9" x 9" light gray with black and white streaks (previously reported as 9" x 9" gray with white steaks)	-	3	Auditorium	2632	sq. ft.	throughout (under carpet)	26	17	20				Vinyl floor tile is actually H-group A92.																
A93	Mastic	9" Tile Mastic	associated with A92	-	Multiple	11 Rooms	19271	sq. ft.	-				2% Chrysotile																		PCB Bulk Product	
A93	Mastic	9" Tile Mastic	associated with A92	Yellow	2	202	230	sq. ft.	Throughout	175				unpainted concrete	center section	one (1) sample collected. yellow mastic over gray paint. layers inseparable.	210107.A93.103-0180	3350														
A93	Mastic	9" Tile Mastic	associated with A92	Black	4	408	101	sq. ft.	-	175				unpainted concrete	center section	one (1) sample collected.	210104.A93.100-0014	4.6														
A93	Mastic	9" Tile Mastic	associated with A92	Black	4	410	151	sq. ft.	-	175				unpainted concrete	northeast section, near door	one (1) sample collected.	210104.A93.100-0016	5.9														
A93	Mastic	9" Tile Mastic	associated with A92	Black	4	410	151	sq. ft.	-					unpainted concrete	northeast section, near door	one (1) duplicate sample collected.	210104.A93.100-0021	5.5														
A93	Mastic	9" Tile Mastic	associated with A92	Black	4	415	1056	sq. ft.	-																							
A93	Mastic	9" Tile Mastic	associated with A92	Black	-	06(stairwell)	60	sq. ft.	2nd floor	175			2% Chrysotile	unpainted concrete	2nd floor, at door to auditorium	one (1) sample collected.	210108.A93.104-0266	19.8														
A93	Mastic	9" Tile Mastic	associated with A92	-	2	15Hallway	393	sq. ft.	-	175		48.8		unpainted concrete	southwest section	one (1) sample collected.	210107.A93.103-0217	78														
A93	Mastic	9" Tile Mastic	associated with A92	-	2	202BExercise Room	4694	sq. ft.	Throughout	175	12			unpainted concrete	west/center section	two (2) samples collected.	210107.A93.103-0181	35000														
A93	Mastic	9" Tile Mastic	associated with A92	-	2	202BExercise Room	4694	sq. ft.	Throughout	175	12			unpainted concrete	west/center section	two (2) samples collected.	210107.A93.103-0182	44000	212202.A93.123-1022 7.7 Aroclor-1254[2]	212202.A93.123-1023 1.11 Aroclor-1248[1], 1254[2]	212202.A93.123-1024 0.58 Aroclor-1254[2]											
A93	Mastic	9" Tile Mastic	associated with A92	Black	2	206 (Entry)	20	sq. ft.	-	175				unpainted concrete	west/center section	one (1) sample collected.	210107.A93.103-0183	30900	212202.A93.123-1019 2.5 Aroclor-1254[2]	212202.A93.123-1020 0.43 Aroclor-1248[1], 1254[2]	212202.A93.123-1021 0.13 Aroclor-1254[2]											
A93	Mastic	9" Tile Mastic	associated with A92	Black	2	206A	192	sq. ft.	-	175				unpainted concrete	south/center section	one (1) sample collected.	210107.A93.103-0184	6400														
A93	Mastic	9" Tile Mastic	associated with A92		3	312Cafeteria	4736	sq. ft.	-	175		6.9		unpainted concrete	northeast section	one (1) sample collected. Vinyl Tile is actually 9" x 9" gray with white markings.	210106.A93.102-0149	9400														
A93	Mastic	9" Tile Mastic	associated with A92	Yellow	3	312Q	80	sq. ft.	-	175				Painted concrete	southwest section	one (1) sample collected.	210108.A93.104-0226	24.9														
A93	Mastic	9" Tile Mastic	associated with A92	Black	4	408A	232	sq. ft.	-	175			ND	unpainted concrete	center section	one (1) sample collected.	210104.A93.101-0042	7.8														
A93 (previously reported as A60)	Mastic	9" Tile Mastic	associated with A92 (previously reported as associated with A59)	Black	3	Auditorium	2632	sq. ft.	throughout (under carpet)	26	17	20		unpainted concrete	southwest section	one (1) sample collected. Mastic is actually H-group A93.	210108.A60.104-0235	16.8														
A93 (previously reported as A60)	Mastic	9" Tile Mastic	associated with A92 (previously reported as associated with A59)	Black	3	Auditorium	2632	sq. ft.	-					unpainted concrete	southwest section	one (1) duplicate sample collected.	210108.A60.104-0236	15														
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	Multiple	29 Rooms	10123	sq. ft.	-				ND																		TBD	

Building A - Bulk and Substrate Material Sampling Summary

Material Identification	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Location of Material	Photo Number	Air Sampling 9/20 (ng/m^3)	Air Sampling 11/20 (ng/m^3)	Asbestos Results %	Substrate (Indicate if Painted or Unpainted)	Specific Sample Location	ATC Comments	Sample ID Number (Date.H#.Photo ID #)	Total PCB Aroclor Results (ppm)	Substrate 1/4" Depth Sample ID and Results (ppm)	Substrate 1/4" - 3/4" Depth Sample ID and Results (ppm)	Substrate 3/4" - 1 1/4" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	ATC Comments	Proposed Waste Category	Legend
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense deep fissures	Gray/White	2	214	89	sq. ft.	Throughout	113				suspended metal grid	west/center section	one (1) sample collected. "DS Safetone" printed on backside, see photo # 103-0203a.	210107.A94.103-0203	ND														
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense deep fissures	Gray/White	2	218	48	sq. ft.	-	113																						
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	302	170	sq. ft.	-	113																						
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	304	500	sq. ft.	-	113	24	54		suspended metal grid	northwest section	one (1) sample collected. "DS Safetone" printed on backside.	210105.A94.101-0076	0.28														
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	306	135	sq. ft.	-	113																						
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	308	196	sq. ft.	-	113		37																				
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense deep fissures	Gray/White	3	314	691	sq. ft.	-	113				suspended metal grid	east/center section	one (1) sample collected. Painted black. " DS Safetone" printed on backside.	210107.A94.103-0162	1.6													PCB Remedial Waste	
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense deep fissures	Gray/White	3	325	125	sq. ft.	-	113		15.9		suspended metal grid	south/center section	one (1) sample collected.	210105.A94.101-0068	0.12														
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	4	410	151	sq. ft.	-	113				suspended metal grid	west/center section	one (1) sample collected. "DS Safetone" printed on backside.	210104.A94.100-0023	0.17														
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	4	411	521	sq. ft.	-	113																						
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	-	01 (stairwell)	209	sq. ft.	Throughout top landing (4th Floor)	113		21.5		suspended metal grid	northeast section	one (1) sample collected.	210105.A94.101-0058	ND														
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	-	04(stairwell)	288	sq. ft.	Throughout top landing	113		48,52		suspended metal grid	southwest section	one (1) sample collected.	210106.A94.102-0085	0.39														
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	09Stairwell	200	sq. ft.	-	113		39		suspended metal grid	southeast section	one (1) sample collected.	210106.A94.102-0089	0.15														
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense deep fissures	Gray/White	2	15Hallway	78	sq. ft.	-	113		48.8		suspended metal grid	southeast section	one (1) sample collected.	210107.A94.103-0215	0.71														
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	4	17Hallway	928	sq. ft.	-	113				suspended metal grid	center section	one (1) sample collected.	210104.A94.100-0029	0.17														
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	2	203B	69	sq. ft.	Throughout	113																						
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense deep fissures	Gray/White	2	214A	36	sq. ft.	-	113																						
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	304A	97	sq. ft.	-	113																						
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	304E	51	sq. ft.	-	113																						
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	304F	165	sq. ft.	-	113																						
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	308A	104	sq. ft.	-	113																						
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	308B	104	sq. ft.	-	113				suspended metal grid	southeast section	one (1) sample collected.	210106.A94.102-0112	ND														
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	308C	104	sq. ft.	-	113		57		suspended metal grid	northeast section	one (1) sample collected.	210106.A138.102-0132	ND														
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	308D	93	sq. ft.	-	113																						
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	308F	38	sq. ft.	-	113																						
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	312Cafeteria	2855	sq. ft.	-	113		6.9		suspended metal grid	west/center section	one (1) sample collected. "DS Safe Tone" printed on backside.	210107.A94.103-0167	0.13														
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	312Cafeteria/ Snack bar Entry	325	sq. ft.	-	113		5.8																				
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	4	406A	74	sq. ft.	-	113																						
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Dense Fissures	Gray/White	3	8Stairwell	1089	sq. ft.	-	113		69		suspended metal grid	4th floor, north center section	one (1) sample collected.	210105.A94.101-0054	ND														
A94	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Dense deep fissures	Gray/White	3	Lobby	590	sq. ft.	-	113		40		suspended metal grid	entry to auditorium, west section	one (1) sample collected. "Celotex" printed on backside and foil backing. See photo # 102-0130a. Suspended ceiling tile different and unique to the	210106.A94.102-0130	ND														
A95	Silver Coating	Silver Coating	associated with hood rivets	Silver	2	1 Room	60	sq. ft.	-				ND																		PCB Bulk Product	
A95	Silver Coating	Silver Coating	associated with hood rivets	Silver	2	203A	60	sq. ft.	North wall	292				steel fume hood	northwest section of hood at north wall.north center section of hood at north wall.	two (2) samples collected.	210107.A95.103-0187	48.8														
A95	Silver Coating	Silver Coating	associated with hood rivets	Silver	2	203A	60	sq. ft.	North wall	292				steel fume hood	northwest section of hood at north wall.north center section of hood at north wall.	two (2) samples collected.	210107.A95.103-0188	40.7														
A96	Vinyl Floor Tile	12" Tile	12" x 12" dark blue with light blue	Blue	2	1 Room	205	sq. ft.	-				ND																			
A96	Vinyl Floor Tile	12" Tile	12" x 12" dark blue with light blue	Blue	2	208C	205	sq. ft.	Throughout	265		6.9																				
A97	Mastic	12" Tile Mastic	associated with A96	Brown/Yellow	2	1 Room	205	sq. ft.	-				ND																		PCB Bulk Product	
A97	Mastic	12" Tile Mastic	associated with A96	Yellow	2	208C	205	sq. ft.	Throughout	265		6.9		painted concrete	southeast corner	two (2) sample collected. Thin yellow mastic over red paint. Layers inseparable.	210107.A97.103-0198	1200														
A97	Mastic	12" Tile Mastic	associated with A96	Yellow	2	208C	205	sq. ft.	Throughout	265		6.9		painted concrete	southeast corner	two (2) sample collected. Thin yellow mastic over red paint. Layers inseparable.	210107.A97.103-0199	5200	212202.A97.123-1025 3.3 Aroclor-1254[2]	212202.A97.123-1026 0.52 Aroclor-1254[2]	212202.A97.123-1027 ND											
A99	Vinyl Floor Tile	12" Tile	12" x 12" white with blue and purple	White	Multiple	12 Rooms	2080	sq. ft.	-				ND																			
A99	Vinyl Floor Tile	12" Tile	12" x 12" white with blue and purple	White	2	218	97	sq. ft.	-	116																						
A99	Vinyl Floor Tile	12" Tile	12" x 12" white with blue and purple	White	3	302	370	sq. ft.	-	116																						
A99	Vinyl Floor Tile	12" Tile	12" x 12" white with blue and purple	White	3	304	500	sq. ft.	-	116	24	54																				
A99	Vinyl Floor Tile	12" Tile	12" x 12" white with blue and purple	White	3	306	135	sq. ft.	-	116																						
A99	Vinyl Floor Tile	12" Tile	12" x 12" white with blue and purple	White	3	308	316	sq. ft.	-	116		37																				
A99	Vinyl Floor Tile	12" Tile	12" x 12" white with blue and purple	White	2	218A	76	sq. ft.	-	116																						
A99	Vinyl Floor Tile	12" Tile	12" x 12" white with blue and purple	White	3	304A	97	sq. ft.	-	116																						
A99	Vinyl Floor Tile	12" Tile	12" x 12" white with blue and purple	White	3	304E	51	sq. ft.	-	116																						
A99	Vinyl Floor Tile	12" Tile	12" x 12" white with blue and purple	White	3	304F	165	sq. ft.	-	116																						
A99	Vinyl Floor Tile	12" Tile	12" x 12" white with blue and purple	White	3	308A	104	sq. ft.	-	116																						
A99	Vinyl Floor Tile	12" Tile	12" x 12" white with blue and purple	White	3	308D	93	sq. ft.	-	116																						
A99	Vinyl Floor Tile	12" Tile	12" x 12" white with blue and purple	White	3	308F	76	sq. ft.	-	116																						
A100	Mastic	12" Tile Mastic	Mastic Adhesive associated with A99 floor tile	Yellow	Multiple	12 Rooms	2080	sq. ft.	-				ND																		PCB Bulk Product	
A100	Mastic	12" Tile Mastic	associated with A99	Yellow	2	218	97	sq. ft.	-	116				unpainted concrete	north/center section	one (1) sample collected.	210107.A100.103-0204	960														
A100	Mastic	12" Tile Mastic	associated with A99	yellow/black	3	302	370	sq. ft.	-	116				unpainted concrete	southwest section	one (1) sample collected. Thin layer of yellow over black thick gooey residual mastic.	210105.A100.101-0074	1800				210316.A100.125-1050 1.4 Aroclor-1254 [2]	210316.A100.125-1051 ND									
A100	Mastic	12" Tile Mastic	associated with A99	Yellow	3	304	500	sq. ft.	-	116	24	54		unpainted concrete	east/center section, near east door	one (1) sample collected. thin layer of yellow. no residual black mastic.	210105.A100.101-0080	750														
A100	Mastic	12" Tile Mastic	associated with A99	Yellow	3	306	135	sq. ft.	-	116																						
A100	Mastic	12" Tile Mastic	associated with A99	Yellow	3	308	316	sq. ft.	-	116		37																				
A100	Mastic	12" Tile Mastic	associated with A99	Yellow	2	218A	76	sq. ft.	-	116																						
A100	Mastic	12" Tile Mastic	associated with A99	Yellow	3	304A	97	sq. ft.	-	116																						
A100	Mastic	12" Tile Mastic	associated with A99	Yellow	3	304E	51	sq. ft.	-	116																						
A100	Mastic	12" Tile Mastic	associated with A99	Yellow	3	304F	165	sq. ft.	-	116																						
A100	Mastic	12" Tile Mastic	associated with A99	Yellow	3	308A	104	sq. ft.	-	116																						
A100	Mastic	12" Tile Mastic	associated with A99	Yellow	3	308D	93	sq. ft.	-	116																						
A100	Mastic	12" Tile Mastic	associated with A99	Yellow	3	308F	76	sq. ft.	-	116																						
A101	Adhesive	Adhesive associated with Bulletin Board/Chalkboard/Blackboards	associated with Bulletin Board/Chalkboard/Blackboards	-	Multiple	5 Rooms	-	sq. ft.	-				ND																		TBD	
A101	Adhesive	Adhesive associated with Bulletin Board/Chalkboard/Blackboards	associated with Bulletin Board/Chalkboard/Blackboards	-	1	119	-		-				ND			Material observed in Room 119																
A101	Adhesive	Adhesive associated with Bulletin Board/Chalkboard/Blackboards	associated with Bulletin Board/chalkboard/blackboard	-	3	304	-	-	-	130/213/219	24	54				VOID - no adhesive observed.	VOID															
A101	Adhesive	Adhesive associated with Bulletin Board/Chalkboard/Blackboards	associated with Bulletin Board/chalkboard/blackboard	-	3	306	-	-	-	130/213/219						VOID - no adhesive observed.	VOID															
A101	Adhesive	Adhesive associated with Bulletin Board/Chalkboard/Blackboards	associated with Bulletin Board/Chalkboard/Blackboards	-	2	205F	-	-	South wall	130/213/219						VOID - no adhesive observed.	VOID															
A101	Adhesive	Adhesive associated with Bulletin Board/Chalkboard/Blackboards	associated with Bulletin board/ chalkboard/blackboard	-	2	208B	-	-	-	130/213/219																						
A101	Adhesive	Adhesive associated with Bulletin Board/Chalkboard/Blackboards	associated with Bulletin board/ chalkboard/blackboard	-	2	208D	-	-	west wall	130/213/219																						
A104	Carpet Mastic	Carpet Mastic	with rolled carpet, blue	Yellow	2	2 Rooms		sq. ft.					ND																		TBD	
A104	Carpet Mastic	Carpet Mastic	with rolled carpet, blue	Yellow	2	205E	-	sq. ft.	removed	-						VOID - material removed. no longer present in room.	VOID															
A104	Carpet Mastic	Carpet Mastic	with rolled carpet, blue	Yellow	2	205F	-	sq. ft.	removed	-						VOID - material removed. no longer present in room.	VOID															
A108	Vinyl Floor Tile	9" Tile	9" x 9" red with white streaks	-	Multiple	10 Rooms	4590	sq. ft.	-				ACBM >1% Previously Sampled																			
A108	Vinyl Floor Tile	9" Tile	9" x 9" red with white streaks	-	4	406	80	sq. ft.	-	200																						
A108	Vinyl Floor Tile	9" Tile	9" x 9" red with white streaks	-	4	407	885	sq. ft.	-	200																						
A108	Vinyl Floor Tile	9" Tile	9" x 9" red with white streaks	-	4	413	260	sq. ft.	under carpet	200																						
A108	Vinyl Floor Tile	9" Tile	9" x 9" red with white streaks	-	2	14Hallway	204	sq. ft.	-	200																						
A108	Vinyl Floor Tile	9" Tile	9" x 9" red with white streaks	-	4	17Hallway	928	sq. ft.	-	200																						
A108	Vinyl Floor Tile	9" Tile	9" x 9" red with white streaks	-	4	404 (suite)	1383	sq. ft.	-	200																						
A108	Vinyl Floor Tile	9" Tile	9" x 9" red with white streaks	-	4	406A	74	sq. ft.	-	200																						
A108	Vinyl Floor Tile	9" Tile	9" x 9" red with white streaks	-	4	406B	324	sq. ft.	-	200																						
A108	Vinyl Floor Tile	9" Tile	9" x 9" red with white streaks	-	4	406C	223	sq. ft.	-	200																						
A108	Vinyl Floor Tile	9" Tile	9" x 9" red with white streaks	-	4	416B	229	sq. ft.	-	200																						
A109	Mastic	9" Tile Mastic	associated with A108	Black	Multiple	10 Rooms	4590	sq. ft.	-				2% Chrysotile																		PCB Bulk Product	
A109	Mastic	9" Tile Mastic	associated with A108	Black	4	406	80	sq. ft.	-	200																						
A109	Mastic	9" Tile Mastic	associated with A108	Black	4	407	885	sq. ft.	-	200				unpainted concrete	southeast section	one (1) sample collected.	210104.A109.100-0007	19.4														
A109	Mastic	9" Tile Mastic	associated with A108	Black	4	413	260	sq. ft.	under carpet	200			2% Chrysotile	unpainted concrete	southwest corner	one (1) sample collected.	210104.A109.101-0045	13.5														
A109	Mastic	9" Tile Mastic	associated with A108	Black	2	14Hallway	204	sq. ft.	-	200				unpainted concrete	center section	one (1) sample collected. black over thin yellow mastic.	210107.A109.103-0209	310				210315.A109.124-1038 0.50 Aroclor-1254 [1]	210315.A109.124-1039 NA									
A109	Mastic	9" Tile Mastic	associated with A108	Black	4	17Hallway	928	sq. ft.	-	200				unpainted concrete	north end/center section outside Room A409	one (1) sample collected.	210104.A109.100-0024	29.8														
A109	Mastic	9" Tile Mastic	associated with A108	Black	4	404 (suite)	1383	sq. ft.	-	200				unpainted concrete	east/center section	one (1) sample collected.	210104.A109.100-0005	17.2														
A109	Mastic	9" Tile Mastic	associated with A108	Black	4	406A	74	sq. ft.	-	200																						
A109	Mastic	9" Tile Mastic	associated with A108	Black	4	406B	324	sq. ft.	-	200																						
A109	Mastic	9" Tile Mastic	associated with A108	Black	4	406C	223	sq. ft.	-	200																						
A109	Mastic	9" Tile Mastic	associated with A108	Black	4	416B	229	sq. ft.	-	200																						
A110	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 4' Gypsum Board	-	2	1 Room	1597	sq. ft.	-				ND Previously Sampled																		PCB Remedial Waste	
A110	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 4' Gypsum Board	-	2	224	1597	sq. ft.	Throughout	331	14	19		suspended metal grid	northwest section north/center section	Two (2) samples collected to meet minimum samples to collect	210107.A110.103-0205	ND														
A110	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 4' Gypsum Board	-	2	224	1597	sq. ft.	Throughout	331	14	19		suspended metal grid	northwest section north/center section	Two (2) samples collected to meet minimum samples to collect	210107.A110.103-0206	1.5														
A111	Covebase	6" Covebase	6" black	Black	3	2 Rooms	238	sq. ft.	-				ND																			
A111	Covebase	6" Covebase	6" black	Black	3	312Cafeteria	150	sq. ft.	throughout	183		6.9																				
A111	Covebase	6" Covebase	6" black	Black	3	312Cafeteria Snack bar/Entry/Hall	88	sq. ft.	throughout	183		5.8																				
A112	Adhesive	Covebase 6 " Adhesive	associated with A111	Beige/Yellow	3	2 Rooms	238	sq. ft.	-				ND																		Potentially Excluded PCB Product	
A112	Adhesive	Covebase 6 " Adhesive	associated with A111	Yellow	3	312Cafeteria	150	sq. ft.	throughout	183		6.9		unpainted concrete	northeast section	one (1) sample collected. yellow over dark brown adhesive. Layers inseparable.	210106.A112.102-0146	10												Room occupied. Area inaccessible where bulk sample was collected		
A112	Adhesive	Covebase 6 " Adhesive	associated with A111	Yellow	3	312Cafeteria Snack bar/Entry/Hall	88	sq. ft.	throughout	183		5.8		painted concrete	at south entrance to cafeteria/west of door	one (1) sample collected. yellow over dark brown adhesive. Layers inseparable.	210106.A112.102-0147	6.7						210316.A112.125-1065 1.2 Aroclor-1254 [1]	210316.A112.125-1068 NA					During bulk sampling, noted substrate as painted concrete, it is actually painted plaster. GWB behind ~1" of plaster.		
A113/113.1	Vinyl Floor Tile	#N/A	12" x 12" shades of gray	Blue	3	4 Rooms	1871	sq. ft.	-				ND																			
A113	Vinyl Floor Tile	12" Tile	12" x 12" shades of gray	Blue	3	312Cafeteria Snack bar/Entry/Hall	975	sq. ft.	-	181		5.8																				
A113	Vinyl Floor Tile	12" Tile	12" x 12" shades of gray	-	3	312J	108	sq. ft.	-	181																						
A113	Vinyl Floor Tile	12" Tile	12" x 12" shades of gray	Blue	3	312P	142	sq. ft.	-	181																						
A113.1	Vinyl Floor Tile	12" Tile	12" x 12" shades of blue	Blue	3	312Cafeteria Snack bar/Entry/Hall	180	sq. ft.	-	182		5.8																				
A114	Mastic	12" Tile Mastic	associated with A113	Black/Yellow	3	3 Rooms	1585	sq. ft.	-	-			ND																		PCB Bulk Product	
A114	Mastic	12" Tile Mastic	associated with A113	Black/Yellow	3	312Cafeteria Snack bar/Entry/Hall	975	sq. ft.	-	-		5.8																				
A114	Mastic	12" Tile Mastic	associated with A113 & A113.1	Yellow	3	312Cafeteria Snack bar/Entry/Hall	180	sq. ft.	-	181		5.8		unpainted concrete	southwest corner west/center section	two (2) samples collected.	210107.A114.103-0170	1600				210316.A114.125-1063 4.4 Aroclor-1254 [2]	210316.A114.125-1064 ND									
A114	Mastic	12" Tile Mastic	associated with A113 & A113.1	Yellow	3	312Cafeteria Snack bar/Entry/Hall	180	sq. ft.	-	181		5.8		unpainted concrete	southwest corner west/center section	two (2) samples collected.	210107.A114.103-0174	550														
A114	Mastic	12" Tile Mastic	associated with A113	Yellow	3	312J	108	sq. ft.	-	181				painted concrete	southwest section	one (1) sample collected.	210108.A114.104-0227	3.1														
A114	Mastic	12" Tile Mastic	associated with A113	Yellow	3	312P	142	sq. ft.	-	181				painted concrete	northwest corner	one (1) sample collected.	210108.A114.104-0228	0.75														
A115	Vinyl Floor Tile	9" Tile	9" x 9" Dark Gray with white markings	-	3	3 Rooms	934	sq. ft.	-				ACBM >1% Previously Sampled																		PCB Bulk Product	
A115	Vinyl Floor Tile	9" Tile	9" x 9" Dark Gray with white markings	-	3	314	755	sq. ft.	-	156																						
A115	Vinyl Floor Tile	9" Tile	9" x 9" Dark Gray with white markings	-	3	316	40	sq. ft.	-	156		15.7,33.6,18.7																				
A115	Vinyl Floor Tile	9" Tile	9" x 9" Dark Gray with white markings	-	3	312F	139	sq. ft.	-	156																						
A116	Mastic	9" Tile Mastic	associated with A115	Black	3	3 Rooms	934	sq. ft.	-				2% Chrysotile																		PCB Bulk Product	
A116	Mastic	9" Tile Mastic	associated with A115	Black	3	314	755	sq. ft.	-	156			2% Chrysotile	unpainted concrete	northeast corner	one (1) sample collected. under carpet (H-group A130 - carpet mastic)	210107.A116.103-0173	6100				210316.A116.125-1069 1.54 Aroclor-1248 [2], Aroclor-1254 [2]	210316.A116.125-1070 ND									
A116	Mastic	9" Tile Mastic	associated with A115	Black	3	316	40	sq. ft.	-	156		15.7,33.6,18.7	NA	unpainted concrete	east/center section	one (1) sample collected.	210107.A116.103-0176	167														
A116	Mastic	9" Tile Mastic	associated with A115	Black	3	312F	139	sq. ft.	-	156				unpainted concrete	east/center section	one (1) sample collected.	210108.A116.104-0225	6400														
A117	Grout	Grout associated wuth 6" quarry tile	associated with 6" quarry tile	Gray/Black	3	7 Rooms	-	sq. ft.	-				ND																			
A117	Grout	Grout associated wuth 6" quarry tile	associated with 6" quarry tile	Gray/Black	3	312	-	-	-		12	5.8																				
A117	Grout	Grout associated wuth 6" quarry tile	associated with 6" quarry tile	Gray/Black	3	316	1069	sq. ft.	-			15.7,33.6,18.7																				
A117	Grout	Grout associated wuth 6" quarry tile	associated with 6" quarry tile	Gray/Black	3	312F	-	-	-																							
A117	Grout	Grout associated wuth 6" quarry tile	associated with 6" quarry tile	Gray/Black	3	312K	-	-	-																							
A117	Grout	Grout associated wuth 6" quarry tile	associated with 6" quarry tile	Gray/Black	3	312L	-	-	-																							
A117	Grout	Grout associated wuth 6" quarry tile	associated with 6" quarry tile	Gray/Black	3	312M	-	-	-																							
A117	Grout	Grout associated wuth 6" quarry tile	associated with 6" quarry tile	Gray/Black	3	312N	-	-	-																							

Building A - Bulk and Substrate Material Sampling Summary

Material Identification	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Location of Material	Photo Number	Air Sampling 9/20 (ng/m^3)	Air Sampling 11/20 (ng/m^3)	Asbestos Results %	Substrate (Indicate if Painted or Unpainted)	Specific Sample Location	ATC Comments	Sample ID Number (Date.H#.Photo ID #)	Total PCB Aroclor Results (ppm)	Substrate 1/4" Depth Sample ID and Results (ppm)	Substrate 1/4" - 3/4" Depth Sample ID and Results (ppm)	Substrate 3/4" - 1 1/4" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	ATC Comments	Proposed Waste Category	Legend
A118	Mortar	Mortar with Groute associated with 6" quarry tile	associated with A117	Gray/Black	3	7 Rooms	-	sq. ft.					ND																			
A118	Mortar	Mortar with Groute associated with 6" quarry tile	associated with A117	Gray/Black	3	312	-	-			12	5.8																				
A118	Mortar	Mortar with Groute associated with 6" quarry tile	associated with A117	Gray/Black	3	316	1069	sq. ft.				15.7,33.6,18.7																				
A118	Mortar	Mortar with Groute associated with 6" quarry tile	associated with A117	Gray/Black	3	312F	-	-																								
A118	Mortar	Mortar with Groute associated with 6" quarry tile	associated with A117	Gray/Black	3	312K	-	-																								
A118	Mortar	Mortar with Groute associated with 6" quarry tile	associated with A117	Gray/Black	3	312L	-	-																								
A118	Mortar	Mortar with Groute associated with 6" quarry tile	associated with A117	Gray/Black	3	312M	-	-																								
A118	Mortar	Mortar with Groute associated with 6" quarry tile	associated with A117	Gray/Black	3	312N	-	-																								
A124	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' gypsum board	-	3	1 Room	1069	sq. ft.					ND Previously Sampled																			
A124	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' gypsum board	-	3	316	1069	sq. ft.		153		15.7,33.6,18.7																				
A125	Vinyl Floor Tile	12" Tile	12" x 12" light gray with black and white streaks	Gray	Multiple	3 Rooms	525	sq. ft.					ND																			
A125	Vinyl Floor Tile	12" Tile	12" x 12" light gray with black and white streaks	Gray	3	316locker room	57	sq. ft.		157																						
A125	Vinyl Floor Tile	12" Tile	12" x 12" light gray with black and white streaks	Gray	3	316storage	51	sq. ft.		157																						
A125	Vinyl Floor Tile	12" Tile	12" x 12" light gray with black and white streaks	Gray	4	404 (suite)	417	sq. ft.		157																						
A126	Mastic	12" Tile Mastic	associated with A125		Multiple	3 Rooms	525	sq. ft.					ND																		PCB Bulk Product	
A126	Mastic	12" Tile Mastic	associated with A125	Black	3	316locker room	57	sq. ft.		157				unpainted concrete	center section	one (1) sample collected. yellow over residual black mastic.	210108.A126.104-0221	9300	212202.A126.123-1016 4.8 Aroclor-1254 [2]	212202.A126.123-1017 0.66 Aroclor-1248[1], 1254[2]	212202.A126.123-1018 0.10 Aroclor-1254[2]											
A126	Mastic	12" Tile Mastic	associated with A125	Black	3	316locker room	57	sq. ft.						unpainted concrete	center section	one (1) duplicate sample collected.	210108.A126.104-0223	7500														
A126	Mastic	12" Tile Mastic	associated with A125	Black	3	316storage	51	sq. ft.		157				unpainted concrete	center section	one (1) sample collected. yellow over residual black mastic.	210108.A126.104-0220	910														
A126	Mastic	12" Tile Mastic	associated with A125	Yellow	4	404 (suite)	417	sq. ft.		157				unpainted concrete	northwest section	one (1) sample collected. Yellow over residual black mastic. layers inseparable, see photo # 100-0009.	210104.A126.100-0008	3.9														
A130	Carpet Mastic	Carpet Mastic	associated with carpet	Brown	3	1 Room	691	sq. ft.					ND																		Potentially Excluded PCB Product	
A130	Carpet Mastic	Carpet Mastic	associated with carpet	Brown	3	314	691	sq. ft.	Throughout	151				Vinyl Floor Tile (H-group A115)	southwest corner northeast corner	two (2) samples collected. clear sticky adhesive over residual yellow adhesive. Layers inseparable.	210107.A130.103-0165	2.9														
A130	Carpet Mastic	Carpet Mastic	associated with carpet	Brown	3	314	691	sq. ft.	Throughout	151				Vinyl Floor Tile (H-group A115)	southwest corner northeast corner	two (2) samples collected. clear sticky adhesive over residual yellow adhesive. Layers inseparable.	210107.A130.103-0172	12.6														
A134	Covebase	4" Covebase	associated with A135/4" black (newer)	Black	Multiple	27 Rooms	733	sq. ft.					ND																			
A134	Covebase	4" Covebase	4" black (newer)	Black	3	320	52	sq. ft.	Throughout	71																						
A134	Covebase	4" Covebase	4" black (newer)	Black	3	322	88	sq. ft.	Throughout	71																						
A134	Covebase	4" Covebase	4" black (newer)	Black	3	325	42	sq. ft.	Throughout	71		15.9																				
A134	Covebase	4" Covebase	4" black (newer)	Black	4	406	14	sq. ft.	Throughout	71/237																						
A134	Covebase	4" Covebase	4" black (newer)	Black	4	407	30	sq. ft.	Throughout	71																						
A134	Covebase	4" Covebase	4" black (newer)	Black	4	412	16	sq. ft.	Throughout	71/237																						
A134	Covebase	4" Covebase	4" black (newer)	Black	4	413	22	sq. ft.	Throughout	71/237																						
A134	Covebase	4" Covebase	4" black (newer)	Black	4	414	19	sq. ft.	Throughout	71/237																						
A134	Covebase	4" Covebase	4" black (newer)	Black	4	415	48	sq. ft.	Throughout	71/237	22	17																				
A134	Covebase	4" Covebase	4" black (newer)	Black	4	416	38	sq. ft.	Throughout	71/237																						
A134	Covebase	4" Covebase	4" black (newer)	Black	4	417	17	sq. ft.	Throughout	71/237																						
A134	Covebase	4" Covebase	4" black (newer)	Black	4	418	9	sq. ft.	Throughout	71/237																						
A134	Covebase	4" Covebase	4" black (newer)	Black	1	103Office	12	sq. ft.	Throughout	71																						
A134	Covebase	4" Covebase	4" black (newer)	Black	4	17Hallway	76	sq. ft.	Throughout	71/237																						
A134	Covebase	4" Covebase	4" black (newer)	Black	2	205E	12	sq. ft.	Throughout	71																						
A134	Covebase	4" Covebase	4" black (newer)	Black	3	312F	18	sq. ft.	Throughout	71																						
A134	Covebase	4" Covebase	4" black (newer)	Black	3	312J	14	sq. ft.	Throughout	71																						
A134	Covebase	4" Covebase	4" black (newer)	Black	3	312P	16	sq. ft.	Throughout	71																						
A134	Covebase	4" Covebase	4" black (newer)	Black	3	316locker room	11	sq. ft.	Throughout	71																						
A134	Covebase	4" Covebase	4" black (newer)	Black	3	316storage	11	sq. ft.	Throughout	71																						
A134	Covebase	4" Covebase	4" black (newer)	Black	4	404 (suite)	70	sq. ft.	Throughout	71																						
A134	Covebase	4" Covebase	4" black (newer)	Black	4	406C	22	sq. ft.	Throughout	71/237																						
A134	Covebase	4" Covebase	4" black (newer)	Black	4	414A	14	sq. ft.	Throughout	71/237																						
A134	Covebase	4" Covebase	4" black (newer)	Black	4	415A	20	sq. ft.	Throughout	71/237																						
A134	Covebase	4" Covebase	4" black (newer)	Black	4	416A	22	sq. ft.	Throughout	71/237																						
A134	Covebase	4" Covebase	4" black (newer)	Black	4	416B	20	sq. ft.	Throughout	71/237																						
A135	Adhesive	Covebase 4" Adhesive	associate with A134	Beige	Multiple	25 Rooms	733	sq. ft.	-	-			ND																		TBD	
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige	3	320	52	sq. ft.	Throughout	71																						
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige	3	322	88	sq. ft.	Throughout	71																						
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige/Brown	3	325	42	sq. ft.	Throughout	71		15.9		unpainted plaster	north wall/center section	one (1) sample collected. Beige over residual dark brown. Layers inseparable.	210105.A135.101-0064	2.9														
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige	4	406	14	sq. ft.	Throughout	71/237																						
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige	4	407	30	sq. ft.	Throughout	71																						
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige	4	412	16	sq. ft.	Throughout	71/237																						
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige	4	413	22	sq. ft.	Throughout	71/237																						
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige	4	414	19	sq. ft.	Throughout	71/237																						
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige/dark brown	4	415	48	sq. ft.	Throughout	71/237	22	17		painted CMU	west wall, south section	one (1) sample collected. beige over residual dark brown adhesive. layers inseparable.	210104.A135.100-0031	7.3														
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige	4	416	38	sq. ft.	Throughout	71/237																						
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige	4	417	17	sq. ft.	Throughout	71/237																						
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige	4	418	9	sq. ft.	Throughout	71/237																						
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Black	1	103Office	12	sq. ft.	Throughout	71																						
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige	4	17Hallway	76	sq. ft.	Throughout	71/237				painted plaster	north wall outside 413	one (1) sample collected. Beige over dark brown adhesive.	210105.A135.101-0051	2.9														
A135	Adhesive	Covebase 4" Adhesive	associate with A134	off white	2	205E	12	sq. ft.	Throughout	71				painted CMU	west wall/south section	one (1) sample collected. paint inseparable.	210107.A135.103-0192	190										210315.A135.124-1044 1.6 Aroclor-1254 [2]	210315.A135.124-1045 0.49 Aroclor-1254 [2]		PCB Bulk Product	
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige	3	312F	18	sq. ft.	Throughout	71																						
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige	3	312J	14	sq. ft.	Throughout	71																						
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige	3	312P	16	sq. ft.	Throughout	71																						
A135	Adhesive	Covebase 4" Adhesive	associated with A135	Beige	3	316locker room	11	sq. ft.	Throughout	71																						
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige	3	316storage	11	sq. ft.	Throughout	71				painted wood door infill	north wall, center section	one (1) sample collected.	210108.A135.104-0219	7.5														
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige	4	404 (suite)Room "405"	70	sq. ft.	Throughout	71				painted CMU	west wall/, enter section	one (1) sample collected. Beige over residual dark brown adhesive. Layers inseparable.	210104.A135.101-0047	13.7														
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige	4	406C	22	sq. ft.	Throughout	71/237																						
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige	4	414A	14	sq. ft.	Throughout	71/237																						
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige	4	415A	20	sq. ft.	Throughout	71/237																						
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige	4	416A	22	sq. ft.	Throughout	71/237				painted gypsum wall board	north wall, center section	one (1) sample collected. joint compound and gypsum wall board paper inseparable	210104.A135.100-0039	ND														
A135	Adhesive	Covebase 4" Adhesive	associated with A134	Beige	4	416B	20	sq. ft.	Throughout	71/237																						
A137	Vinyl Floor Tile	9" Tile	9" x 9" brown with dark brown and white streaks	-	3	7 Rooms	954	sq. ft.					ACBM >1% Previously Sampled																			
A137	Vinyl Floor Tile	9" Tile	9" x 9" brown with dark brown and white streaks	-	3	310	92	sq. ft.	throughout	133																						
A137	Vinyl Floor Tile	9" Tile	9" x 9" brown with dark brown and white streaks	-	3	321	90	sq. ft.	throughout	133		7.6																				
A137	Vinyl Floor Tile	9" Tile	9" x 9" brown with dark brown and white streaks	-	3	323	257	sq. ft.	throughout	133																						
A137	Vinyl Floor Tile	9" Tile	9" x 9" brown with dark brown and white streaks	-	3	325	251	sq. ft.	throughout and under carpet	133		15.9																				
A137	Vinyl Floor Tile	9" Tile	9" x 9" brown with dark brown and white streaks	-	3	308B	104	sq. ft.	throughout	133																						
A137	Vinyl Floor Tile	9" Tile	9" x 9" brown with dark brown and white streaks	-	3	308C	104	sq. ft.	throughout	133		57																				
A137	Vinyl Floor Tile	9" Tile	9" x 9" brown with dark brown and white streaks	-	3	308E	56	sq. ft.	throughout	133																						
A138	Mastic	9" Tile Mastic	associated with A137	-	3	7 Rooms	954	sq. ft.	-				ND																		PCB Bulk Product	
A138	Mastic	9" Tile Mastic	associated with A137	-	3	310	92	sq. ft.	throughout	133																						
A138	Mastic	9" Tile Mastic	associated with A137	Black	3	321	90	sq. ft.	throughout	133		7.6		unpainted concrete	center section	one (1) sample collected.	210105.A138.101-0070	36														
A138	Mastic	9" Tile Mastic	associated with A137	-	3	323	257	sq. ft.	throughout	133			ND																			
A138	Mastic	9" Tile Mastic	associated with A137	Black	3	325	251	sq. ft.	throughout and under carpet	133		15.9		unpainted concrete	northwest corner	one (1) sample collected. Underneath carpet (H-group A2002 carpet mastic).	210105.A138.101-0067	39														
A138	Mastic	9" Tile Mastic	associated with A137	-	3	308B	104	sq. ft.																								
A138	Mastic	9" Tile Mastic	associated with A137	Black	3	308C	104	sq. ft.	throughout	133		57	ND	unpainted concrete	north/center section	one (1) sample collected.	210106.A138.102-0108	5520				210316.A138.125-1054 0.25 Aroclor-1254 [1]	210316.A138.125-1055 NA									
A138	Mastic	9" Tile Mastic	associated with A137	Black	3	308C	104	sq. ft.	throughout	133		57		unpainted concrete	northeast section	one (1) Duplicate sample collected.	210106.A138.102-0109	21000														
A138	Mastic	9" Tile Mastic	associated with A137	-	3	308E	56	sq. ft.	throughout	133																						
A139	Vinyl Floor Tile	12" Tile	12" x 12" white with brown streaks	White	3	1 Room	76	sq. ft.	-				ND																			
A139	Vinyl Floor Tile	12" Tile	12" x 12" white with brown streaks	White	3	323	76	sq. ft.	-	144																						
A140	Mastic	12" Tile Mastic	associated with A139	Gray/Yellow	3	1 Room	76	sq. ft.	-				ND																		PCB Bulk Product	
A140	Mastic	12" Tile Mastic	associated with A139	Yellow/Black	3	323	76	sq. ft.	-	144				unpainted concrete	southwest section	two (2) samples collected. yellow over residual black mastic. Layers inseparable.	210108.A140.104-0277	3.8				210316.A140.125-1056 ND	210316.A140.125-1057 NA									
A140	Mastic	12" Tile Mastic	associated with A139	Yellow/Black	3	323	76	sq. ft.	-	144				unpainted concrete	southwest section	two (2) samples collected. yellow over residual black mastic. Layers inseparable.	210108.A140.104-0278	3.7														
A141	Covebase	4" Covebase	4" beige	Beige	3	3 Rooms	56	sq. ft.	-				ND																			
A141	Covebase	4" Covebase	4" beige	Beige	3	308	46	sq. ft.	Throughout	137		37																				
A141	Covebase	4" Covebase	4" beige	Beige	3	308F	10	sq. ft.	Throughout	137																						
A142	Adhesive	Covebase 4" Adhesive	associated with A141	Yellow/Brown	3	3 Rooms	56	sq. ft.	-				ND																		Potentially Excluded PCB Product	
A142	Adhesive	Covebase 4" Adhesive	associated with A141	Beige/Brown	3	308	46	sq. ft.	Throughout	137		37		painted plaster	north wall, west section outside room A308C	two (2) samples collected, b/c Room A308A does not have H141/142.beige over dark brown residual adhesive. layers inseparable.	210106.A142.102-0094	9.4						210316.A142.125-1052 1.64 Aroclor-1248 [2], Aroclor-1254 [2]	-	-	210406.A142.135-1324 NA			GWB behind plaster.		
A142	Adhesive	Covebase 4" Adhesive	associated with A141	Beige/Brown	3	308	46	sq. ft.	Throughout	137		37		painted plaster	north wall, west section outside room A308C	two (2) samples collected, b/c Room A308A does not have H141/142.beige over dark brown residual adhesive. layers inseparable.	210106.A142.102-0095	7.2														
A142	Adhesive	Covebase 4" Adhesive	associated with A141	Beige	3	308F	10	sq. ft.	Throughout	137				painted plaster	east wall, center section	one (1) sample collected. Beige over brown adhesive. Layers inseparable.	210106.A142.102-0113	7.6														
A143	Covebase	4" Covebase	4" blue	Blue	3	7 Rooms	124	sq. ft.	-				ND																			
A143	Covebase	4" Covebase	4" blue	Blue	3	302	18	sq. ft.	-	115																						
A143	Covebase	4" Covebase	4" blue	Blue	3	304	24	sq. ft.	-	115	24	54																				
A143	Covebase	4" Covebase	4" blue	Blue	3	306	16	sq. ft.	-	115																						
A143	Covebase	4" Covebase	4" blue	Blue	3	304A	14	sq. ft.	-	115																						
A143	Covebase	4" Covebase	4" blue	Blue	3	304E	10	sq. ft.	-	115																						
A143	Covebase	4" Covebase	4" blue	Blue	3	304F	16	sq. ft.	-	115																						
A143	Covebase	4" Covebase	4" blue	Beige	3	308A	13	sq. ft.	Throughout	137						Covebase previously reported as A141. no sample collected.																
A143	Covebase	4" Covebase	4" blue	Blue	3	308D	13	sq. ft.	-	115																						
A144	Adhesive	Covebase 4" Adhesive	associated with A143	Beige	3	7 Rooms	124	sq. ft.	-				ND																		Potentially Excluded PCB Product	
A144	Adhesive	Covebase 4" Adhesive	associated with A143	Dark Brown	3	302	18	sq. ft.	-	115				painted CMU	east wall, north section	one (1) sample collected.	210105.A144.101-0075	4.5														
A144	Adhesive	Covebase 4" Adhesive	associated with A143	Beige/Brown	3	304	24	sq. ft.	-	115	24	54		unpainted plaster	west section, north wall	one (1) sample collected. beige over residual brown adhesive. layers inseparable.	210106.A144.102-0090	7.3						210316.A144.125-1060 0.41 Aroclor-1248 [2], Aroclor-1254 [1]	-	-	210406.A144.135-1325 NA			GWB behind plaster.		
A144	Adhesive	Covebase 4" Adhesive	associated with A143	Beige/Brown	3	304	24	sq. ft.	-					unpainted plaster	west section, north wall	one (1) duplicate collected. beige over residual brown adhesive. layers inseparable.	210106.A144.102-0091	8.9														
A144	Adhesive	Covebase 4" Adhesive	associated with A143	Beige/dark brown	3	306	16	sq. ft.	-	115				unpainted wood	east wall, north end	one (1) sample collected. beige over dark brown adhesive. Layers inseparable.	210105.A144.101-0081	6.3														
A144	Adhesive	Covebase 4" Adhesive	associated with A143	Beige	3	304A	14	sq. ft.	-	115																						
A144	Adhesive	Covebase 4" Adhesive	associated with A143	Beige	3	304E	10	sq. ft.	-	115																						
A144	Adhesive	Covebase 4" Adhesive	associated with A143	Beige	3	304F	16	sq. ft.	-	115																						
A144	Adhesive	Covebase 4" Adhesive	associated with A143	Yellow/Brown	3	308A	13	sq. ft.	Throughout	137						Covebase Adhesive previously reported as A142. no sample collected.	VOID															
A144	Adhesive	Covebase 4" Adhesive	associated with A143	Beige	3	308D	13	sq. ft.	-	115																						
A145	Sink Undercoating	Sink Undercoating	-	Beige	3	1 Room	3	sq. ft.	-				ND																		Potentially Excluded PCB Product	
A145	Sink Undercoating	Sink Undercoating	-	Beige	3	304E	3	sq. ft.	-	127				steel single bay	north wall	one (1) sample collected.	210106.A145.102-0093	9.1														
A146	Adhesive	Adhesive associated with counter	associated with counter	-	3	1 Room	4	sq. ft.	-				VOID no adhesive observed																		TBD	
A146	Adhesive	0	associated with counter	-	3	304E	4	sq. ft.	-	-						VOID - no adhesive observed.	VOID															
A148	Stair Tread Material	Stair Tread Material	blue	Blue	3	1 Room	90	sq. ft.	-				ND																			
A148	Stair Tread Material	Stair Tread Material	blue	Blue	3	Lobby	90	sq. ft.	-			40																				
A149	Adhesive	Stair Tread Adhesive	associated with A148	Beige	3	1 Room	90	sq. ft.	-				ND																		Potentially Excluded PCB Product	
A149	Adhesive	Stair Tread Adhesive	associated with A148	Yellow	3	Lobby	90	sq. ft.	-			40		painted concrete	1st tread below top landing, north section. 1st tread below top landing, south section.	two (2) samples collected.	210106.A149.102-0123	2.2														
A149	Adhesive	Stair Tread Adhesive	associated with A148	Yellow	3	Lobby	90	sq. ft.	-			40		painted concrete	1st tread below top landing, north section. 1st tread below top landing, south section.	two (2) samples collected.	210106.A149.102-0124	5.2														
A150	Stair Riser Material	6" Covebase	6" Covebase, blue	-	3	1 Room	90	sq. ft.	-				ND																			

Building A - Bulk and Substrate Material Sampling Summary

Material Identification	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Location of Material	Photo Number	Air Sampling 9/20 (ng/m^3)	Air Sampling 11/20 (ng/m^3)	Asbestos Results %	Substrate (Indicate if Painted or Unpainted)	Specific Sample Location	ATC Comments	Sample ID Number (Date.H#.Photo ID #)	Total PCB Aroclor Results (ppm)	Substrate 1/4" Depth Sample ID and Results (ppm)	Substrate 1/4" - 3/4" Depth Sample ID and Results (ppm)	Substrate 3/4" - 1 1/4" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	ATC Comments	Proposed Waste Category	Legend	
A150	Stair Riser Material	6" Covebase	6" Covebase, blue	-	3	Lobby	90	sq. ft.	-	-		40																					
A151	Adhesive	Covebase 6 " Adhesive	associated with A150	-	3	1 Room	90	sq. ft.	-				ND																		Potentially Excluded PCB Product		
A151	Adhesive	Covebase 6 " Adhesive	associated with A150	Beige	3	Lobby	90	sq. ft.	-	-		40		painted metal	1st riser below top landing, north section.1st riser below top landing, south section	two (2) samples collected.	210106.A151.102-0125	1.94															
A151	Adhesive	Covebase 6 " Adhesive	associated with A150	Beige	3	Lobby	90	sq. ft.	-	-		40		painted metal	1st riser below top landing, north section.1st riser below top landing, south section	two (2) samples collected.	210106.A151.102-0126	2.3															
A152	Grout	Grout associated with ceramic wall tile1" x 2" brown	associated with ceramic wall tile1" x 2" brown	White	3	1 Room	64	sq. ft.	-				ND																				
A152	Grout	Grout associated with ceramic wall tile1" x 2" brown	associated with ceramic wall tile1" x 2" brown	White	3	10Hallway	64	sq. ft.	at water fountains	97		22.8																					
A153	Adhesive	Grout associated with ceramic wall tile1" x 2" brown	associated with A152	Gray	3	1 Room	64	sq. ft.	-				ND																		TBD		
A153	Adhesive	Grout associated with ceramic wall tile1" x 2" brown	associated with A152	Gray	3	10Hallway	64	sq. ft.	at water fountains	97		22.8				VOID - no adhesive observed.	VOID - See Photo # 103-0177																
A157	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	Beige	3	1 Room	12	sq. ft.	-				ND																		Potentially Excluded PCB Product		
A157	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	Beige	3	Mezzanine	12	sq. ft.	-	-				unpainted metal	south center section, at seams to ductwork sections. north center section, at seams to ductwork sections	Two (2) samples collected. Photo #102-0116 (ductwork installation information sticker)	210106.A157.102-0117	1.00															
A157	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	Beige	3	Mezzanine	12	sq. ft.	-	-				unpainted metal	south center section, at seams to ductwork sections. north center section, at seams to ductwork sections	Two (2) samples collected. Photo #102-0116 (ductwork installation information sticker)	210106.A157.102-0118	0.84															
A159	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	Black	3	1 Room	3	sq. ft.	-				ND																		Potentially Excluded PCB Product		
A159	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	Black	3	Mezzanine	3	sq. ft.	-	-				unpainted metal	north center section, t penetration sealant copper pipe & electrical	two (2) samples collected.	210106.A159.102-0119	2.8															
A159	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	Black	3	Mezzanine	3	sq. ft.	-	-				unpainted metal	north center section, t penetration sealant copper pipe & electrical	two (2) samples collected.	210106.A159.102-0120	2.1															
A160/160.1	Mastic/Vapor Barrier	Mastic/Vapor Barrier associated with Gym wood floor	associated with Gym wood floor	-	3	6 Rooms	28,210	sq. ft.	-				ACBM >1% Previously Sampled																				
A160	Mastic/Vapor Barrier	Mastic/Vapor Barrier associated with Gym wood floor	associated with Gym wood floor	-	3	311	11485	sq. ft.	-	90	1.1			unpainted concrete	northwest section, under bleaches	two (2) samples collected	210702.A160.136-1326	1.62															
A160	Mastic/Vapor Barrier	Mastic/Vapor Barrier associated with Gym wood floor	associated with Gym wood floor	-	3	311	11485	sq. ft.	-	90	1.1			unpainted concrete	northwest section, under bleaches	two (2) samples collected	210702.A160.136-1327	0.94															
A160	Mastic/Vapor Barrier	Mastic/Vapor Barrier associated with Gym wood floor	associated with Gym wood floor	-	3	318	1096	sq. ft.	-	74																							
A160	Mastic/Vapor Barrier	Mastic/Vapor Barrier associated with Gym wood floor	associated with Gym wood floor	-	3	320	1524	sq. ft.	-	74																							
A160.1	Wood Varnish/Sealant	Mastic/Vapor Barrier associated with Gym wood floor	associated with Gym wood floor	-	3	311	11485	sq. ft.	-	90	1.1																						
A160.1	Wood Varnish/Sealant	Mastic/Vapor Barrier associated with Gym wood floor	associated with Gym wood floor	-	3	318	1096	sq. ft.	-	74				unpainted concrete	south center section	one (1) sample collected	210702.A160.136-1238	6.88															
A160.1	Wood Varnish/Sealant	Mastic/Vapor Barrier associated with Gym wood floor	associated with Gym wood floor	-	3	320	1524	sq. ft.	-	74																							
A161	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	tan	3	2 Rooms	6	sq. ft.	-				ND																		Potentially Excluded PCB Product		
A161	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	light brown	3	320B	3	sq. ft.		77				unpainted metal	southwest corner	one (1) sample collected. Collected on unpainted metal, adjacent to painted gypsum wall board.	210106.A161.102-0141	26.2															
A161	Duct Seam Sealant	Duct Seam Sealant	Metal Ductwork	light brown	3	320C	3	sq. ft.		77				unpainted metal	northwest section	one (1) sample collected.	210106.A161.102-0143	43															
A162	Duct Seam Tape	Duct Seam Sealant	Metal Ductwork	Beige	3	2 Rooms	6	sq. ft.					ND																		Potentially Excluded PCB Product		
A162	Duct Seam Tape	Duct Seam Sealant	Metal Ductwork	Beige	3	320B	3	sq. ft.		77				unpainted metal	northeast corner at ceiling	one (1) sample collected.	210106.A162.102-0140	10															
A162	Duct Seam Tape	Duct Seam Sealant	Metal Ductwork	Beige	3	320C	3	sq. ft.		77				unpainted metal	north/center section	one (1) sample collected.	210106.A162.102-0142	47															
A166	Carpet Mastic	Carpet Mastic	with gray carpet squares	Yellow	Multiple	2 Rooms	763	sq. ft.					ND																		Potentially Excluded PCB Product		
A166	Carpet Mastic	Carpet Mastic	with gray carpet squares	Yellow	-	01 (stairwell)	561	sq. ft.	1st Floor Only	13		21.5		Vinyl Floor Tile (H-group A27)	northwest corner	two (2) samples collected.	210106.A166.102-0133	ND															
A166	Carpet Mastic	Carpet Mastic	with gray carpet squares	Yellow	-	01 (stairwell)	561	sq. ft.	1st Floor Only	13		21.5		Vinyl Floor Tile (H-group A27)	northwest corner	two (2) samples collected.	210107.A166.103-0201	2.3															
A166	Carpet Mastic	Carpet Mastic	with gray carpet squares	Yellow	1	02(hall)	202	sq. ft.	Throughout	13				Vinyl Floor Tile (H-group A27)	northwest corner	one (1) sample collected in Room 01 (Stairwell).	210107.A166.103-0201	2.3															
A170	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' , 2' x 4' pock holes with pinholes	Tan/White	Multiple	4 Rooms	1,996	sq. ft.					ND																		Not Regulated		
A170	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' , 2' x 4' pock holes with pinholes	Tan/White	3	320	1524	sq. ft.		177				suspended metal grid	southeast section, near door	one (1) sample collected. "USA Radar A061607 13:15003" printed on backside, see photo # 101-	210105.A170.101-0062	0.43															
A170	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' , 2' x 4' pock holes with pinholes	Tan/White	4	413	260	sq. ft.		177				on metal grid	west/center section	one (1) sample collected.	210104.A170.101-0044	0.24															
A170	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' , 2' x 4' pock holes with pinholes	Tan/White	3	320D	61	sq. ft.		177				suspended metal grid	northeast corner	one (1) sample collected. No printing on backside.	210106.A170.102-0144	ND															
A170	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' , 2' x 4' pock holes with pinholes	Tan/White	3	Bistro	151	sq. ft.		177				suspended metal grid	southwest section	one (1) sample collected.	210108.A170.104-0230	ND															
A171	Carpet Mastic	Carpet Mastic	associated with blue, tan, maroon diamond pattern	Yellow	4	3 Rooms	1,456	sq. ft.					ND																		Potentially Excluded PCB Product		
A171	Carpet Mastic	Carpet Mastic	associated with blue, tan, maroon diamond pattern	Yellow	4	414	182	sq. ft.	Throughout	215				unpainted concrete	northeast corner	one (1) sample collected.	210104.A171.100-0017	6.3															
A171	Carpet Mastic	Carpet Mastic	associated with blue, tan, maroon diamond pattern	Yellow	4	415	1056	sq. ft.	Throughout	215	22	17		Vinyl Floor Tile (H-group A92)	south section, northeast corner	one (1) sample collected.	210104.A171.100-0018	4.5															
A171	Carpet Mastic	Carpet Mastic	associated with blue, tan, maroon diamond pattern	Yellow	4	415A	218	sq. ft.	Throughout	215				Vinyl Floor Tile (A92)	northeast corner	one (1) sample collected.	210104.A171.100-0019	3.1															
A172	Sink Undercoating	Sink Undercoating	-	Black	4	1 Room	6	sq. ft.					ND																		Potentially Excluded PCB Product		
A172	Sink Undercoating	Sink Undercoating	-	Black	4	416B	6	sq. ft.		227				steel sink	at south wall	one (1) sample collected.	210104.A172.101-0048	3.5															
A173	Vinyl Floor Tile	12" Tile	12" x 12" light shades of gray	Gray	4	1 Room	114	sq. ft.					ND																				
A173	Vinyl Floor Tile	12" Tile	12" x 12" light shades of gray	Gray	4	414A	114	sq. ft.		220																							
A174	Mastic	12" Tile Mastic	associated with A173	Gray	4	1 Room	114	sq. ft.					ND																		PCB Bulk Product		
A174	Mastic	12" Tile Mastic	associated with A173	yellow	4	414A	114	sq. ft.		220				unpainted concrete	center section	two (2) samples collected. Very thin yellow mastic. ON HOLD - assumed post 1980s.	210108.A174.104-0274210108.A174.104-0275																
A175	Resilient Sheet Flooring	Resilient Sheet Flooring	blue and black	Blue	4	3 Rooms	322	sq. ft.					ND																				
A175	Resilient Sheet Flooring	Resilient Sheet Flooring	blue and black	Blue	4	412	142	sq. ft.	Throughout	237																							
A175	Resilient Sheet Flooring	Resilient Sheet Flooring	blue and black	Blue	4	417	135	sq. ft.	Throughout	237																							
A175	Resilient Sheet Flooring	Resilient Sheet Flooring	blue and black	Blue	4	418	45	sq. ft.	Throughout	237																							
A176	Adhesive	Adhesive associtaed with resilient sheet flooring	associated with A175	-	4	3 Rooms	322	sq. ft.	-				ND																		TBD		
A176	Adhesive	Adhesive associtaed with resilient sheet flooring	associated with A175	yellow thick	4	412	142	sq. ft.	Throughout	237				unpainted concrete	northeast corner	one (1) sample collected. ON HOLD - assumed post 1980s.	210108.A176.104-0270																
A176	Adhesive	Adhesive associtaed with resilient sheet flooring	associated with A175	Yellow	4	417	135	sq. ft.	Throughout	237				unpainted concrete	northeast section	one (1) sample collected. ON HOLD - assumed Post 1980s insulation.	2010108.A176.104-0272																
A176	Adhesive	Adhesive associtaed with resilient sheet flooring	associated with A175	Yellow	4	418	45	sq. ft.	Throughout	237				unpainted concrete	southeast corner	one (1) sample collected. ON HOLD - assumed Post 1980s insulation.	210108.A176.104-0271																
A177	Carpet Mastic	Carpet Mastic	associated with blue rolled carpet	Yellow	4	1 Room	266	sq. ft.	-				ND																		Potentially Excluded PCB Product		
A177	Carpet Mastic	Carpet Mastic	associated with blue rolled carpet	Yellow	4	413	266	sq. ft.	Throughout	236				Vinyl Floor Tile (H-group A108)	southwest corner northwest corner	two (2) samples collected.	210104.A177.101-0079	4.7															
A177	Carpet Mastic	Carpet Mastic	associated with blue rolled carpet	Yellow	4	413	266	sq. ft.	Throughout	236				Vinyl Floor Tile (H-group A108)	southwest corner northwest corner	two (2) samples collected.	210104.A176.101-0050	2.6															
A178	Epoxy Flooring	Epoxy Flooring	-	Brown	4	1 Room	521	sq. ft.	-				ND																		Not Regulated		
A178	Epoxy Flooring	Epoxy Flooring	-	Brown	4	411	521	sq. ft.	-	241				unpainted concrete	southwest corner east/center section northwest section	three (3) samples collected	210104.A178.100-0026	0.83															
A178	Epoxy Flooring	Epoxy Flooring	-	Brown	4	411	521	sq. ft.	-	241				unpainted concrete	southwest corner east/center section northwest section	three (3) samples collected	210104.A178.100-0027	ND															
A178	Epoxy Flooring	Epoxy Flooring	-	Brown	4	411	521	sq. ft.	-	241				unpainted concrete	southwest corner east/center section northwest section	three (3) samples collected	210104.A178.100-0028	ND															
A179	Terrazzo Flooring	Terrazzo Flooring	brown	Brown	3	1 Room	-	sq. ft.	-				ND																				
A179	Terrazzo Flooring	Terrazzo Flooring	brown	Brown	3	Lobby	-	-	-			40																					
A179.1	Adhesive	Adhesive, assoc. w/ Terrazzo Flooring	Adhesive, assoc. w/ Terrazzo Flooring	Black	1	-	-	-	-				ND																				
A179.1	Adhesive	Adhesive, assoc. w/ Terrazzo Flooring	Adhesive, assoc. w/ Terrazzo Flooring	Black	1	Lobby	-	-	-				ND																				
A180	Adhesive	Adhesive associated with acoustical panels	associated with acoustical panels	-	3	1 Room	950	sq. ft.	-				VOID no adhesive observed																		TBD		
A180	Adhesive	Adhesive associated with acoustical panels	associated with acoustical panels	-	3	Auditorium	950	sq. ft.	-	106	17	20				VOID - no adhesive observed.	VOID																
A181	Carpet Mastic	Carpet Mastic	associated with carpet, blue floral pattern	Yellow	3	1 Room	2,632	sq. ft.	-				ND																		Potentially Excluded PCB Product		
A181	Carpet Mastic	Carpet Mastic	associated with carpet, blue floral pattern	Yellow	3	Auditorium	2632	sq. ft.	-	107	17	20		Vinyl Floor Tile (A59)	north west section, at bottom of stairs upper.north east section, at bottom of stairs. east wall, north section.	three (3) samples collected.	210106.A181.102-0154	8.8															
A181	Carpet Mastic	Carpet Mastic	associated with carpet, blue floral pattern	Yellow	3	Auditorium	2632	sq. ft.	-	107	17	20		Vinyl Floor Tile (A59)	north west section, at bottom of stairs upper.north east section, at bottom of stairs. east wall, north section.	three (3) samples collected.	210106.A181.102-0155	9.8															
A181	Carpet Mastic	Carpet Mastic	associated with carpet, blue floral pattern	Yellow	3	Auditorium	2632	sq. ft.	-	107	17	20		Vinyl Floor Tile (A59)	north west section, at bottom of stairs upper.north east section, at bottom of stairs. east wall, north section.	three (3) samples collected.	210106.A181.102-0156	11.1															
A182	Projector Screen Material	Projector Screen Material	-	-	3	1 Room	-	sq. ft.	-	-			Not Sampled assumed asbestos																				
A182	Projector Screen Material	Projector Screen Material	-	-	3	Auditorium	-		Above stage		17	20																					
A184	Glue Daubs	Glue Daubs	-	Brown	3	1 Room	-	sq. ft.	-	-			ND																		Potentially Excluded PCB Product		
A184	Glue Daubs	Glue Daubs	associated with Ceiling tile 1' x 1' (A44)	Brown	3	Auditorium	-	-	Auditorium Booth	-	17	20		unpainted plaster	light booth, south wall	two (2) samples collected. This material is possibly the same as A44.	210106.A184.102-0160	1.7															
A184	Glue Daubs	Glue Daubs	associated with Ceiling tile 1' x 1' (A44)	Brown	3	Auditorium	-	-	Auditorium Booth	-	17	20		unpainted plaster	light booth, south wall	two (2) samples collected. This material is possibly the same as A44.	210106.A184.102-0161	2.59															
A2000	Sink Undercoating	Sink Undercoating	-	gray	4	1 Room	4	sq. ft.	-	-			ND																		Potentially Excluded PCB Product		
A2000	Sink Undercoating	Sink Undercoating	-	gray	4	404 (suite)	4	sq. ft.	-	192				steel, single bay sink	east wall/south section	one (1) sample collected.	210104.A2000.100-0006	3.7															
A2001	Carpet Mastic	Carpet Mastic	associated with red carpet (newer)	-	Multiple	3 Rooms	303	sq. ft.	-	-			VOID no adhesive observed																		TBD		
A2001	Carpet Mastic	Carpet Mastic	associated with red carpet squares (newer)	-	4	406	80	sq. ft.	Throughout	147						VOID - no mastic/double sided tape at corners. Assumed post 1980s installation.	VOID - See Photo # 100-0011																
A2001	Carpet Mastic	Carpet Mastic	associated with red carpet squares (newer)	-	4	406C	223	sq. ft.	Throughout	147						VOID - no mastic/double sided tape at corners. Assumed post 1980s installation.	VOID - see photo # 100-0011																
A2002	Carpet Mastic	Carpet Mastic	associated with red carpet (newer)	-	3	1 Room	187	sq. ft.	-	-			ND																		Potentially Excluded PCB Product		
A2002	Carpet Mastic	Carpet Mastic	associated with red carpet (newer)	Yellow	3	325	187	sq. ft.	Throughout	147		15.9		Vinyl Floor Tile (H-group A137)	northwest corner	one (1) sample collected.	210105.A2002.101-0066	3.8															
A2003	Mastic	Carpet Mastic	associated with carpet squares	-	3	1 Room	1421	sq. ft.	-	-			ND																		Potentially Excluded PCB Product		
A2003	Mastic	Carpet Mastic	associated with carpet squares	Yellow	3	322	1421	sq. ft.	-	70				unpainted concrete	Room 322A, southwest section Room 322A, west/center section	two (2) samples collected. assumed Post 1980s.	210105.A2003.101-0060	21.3															
A2003	Mastic	Carpet Mastic	associated with carpet squares	Yellow	3	322	1421	sq. ft.	-	70				unpainted concrete	Room 322A, southwest section Room 322A, west/center section	two (2) samples collected. assumed Post 1980s.	210105.A2003.101-0078	23.3				210316.A2003.125-1058 1.07 Aroclor-1254 [2], Aroclor-1268 [2]	210316.A2003.125-1059 NA										
A2005	Adhesive	Wall Paper Adhesive	associated with wall paper		3	1 Room	-	sq. ft.	-	-			ND																		Potentially Excluded PCB Product		
A2005	Adhesive	Wall Paper Adhesive	associated with wall paper	yellowish brown	3	302	-	-	north wall, above rad. Heat	-				leveling compound over painted plaster	north wall, center section	two (2) samples collected.	210105.A2005.101-0072	30															
A2005	Adhesive	Wall Paper Adhesive	associated with wall paper	yellowish brown	3	302	-	-	north wall, above rad. Heat					leveling compound over painted plaster	north wall, center section	two (2) samples collected.	210105.A2005.101-0073	26															
A2006	Adhesive	Wall Paneling Adhesive	associated with wall paneling		3	1 Room	-	sq. ft.	-				ND																		Potentially Excluded PCB Product		
A2006	Adhesive	Wall Paneling Adhesive	associated with wall paneling	Yellow	3	Auditorium	-	-	-		17	20		painted CMU	west wall, north section	two (2) samples collected.	210106.A2006.102-0157	1.95															
A2006	Adhesive	Wall Paneling Adhesive	associated with wall paneling	Yellow	3	Auditorium	-	-	-		17	20		painted CMU	west wall, north section	two (2) samples collected.	210106.A2006.102-0158	1.94															
A2007	Covebase	4" Covebase	4" gray (newer)New - Post Initial Inspection	-	2	1 Room	15	sq. ft.					ND																				
A2007	Covebase	4" Covebase	4" gray (newer)	-	2	205F	15	sq. ft.	Throughout	311																							
A2008	Adhesive	Covebase 4" Adhesive	associated with Covebase, 4" gray (newer)New - Post Initial Inspection	-	2	1 Room	15	sq. ft.					ND																		Potentially Excluded PCB Product		
A2008	Adhesive	Covebase 4" Adhesive	associated with A2007	-	2	205F	15	sq. ft.	Throughout	311				painted CMU	south wall/center section	one (1) sample collected. paint inseparable.	210107.A2008.103-0193	33										210315.A2008.124-1042 0.62 Aroclor-1254 [1]	210315.A2008.124-1043 NA				
A2009	Vinyl Floor Tile	12" Tile	12" x 12", gray with white and shades of gray markings New - Post Initial Inspection	-	2	1 Room	148	sq. ft.					ND																				
A2009	Vinyl Floor Tile	12" Tile	12" x 12", gray with white and shades of gray markings	-	2	205F	148	sq. ft.	Throughout	312																							
A2010	Mastic	12" Tile Mastic	associated with Vinyl Floor Tile, 12" x 12", gray with white and shades of gray markings New - Post Initial Inspection	-	2	1 Room	148	sq. ft.					5% Chrysotile																		PCB Bulk Product		
A2010	Mastic	12" Tile Mastic	associated with A2009	Yellow	2	205F	148	sq. ft.	Throughout	312				painted concrete	center section	two (2) samples collected. Yellow adhesive over paint, over residual black mastic. Layers inseparable.	210107.A2010.103-0194	500															
A2010	Mastic	12" Tile Mastic	associated with A2009	Yellow	2	205F	148	sq. ft.	Throughout	312				painted concrete	center section	two (2) samples collected. Yellow adhesive over paint, over residual black mastic. Layers inseparable.	210107.A2010.103-0195	730				210315.A2010.124-1040 3.3 Aroclor-1254 [2]	210315.A2010.124-1041 ND										
A2010	Mastic	12" Tile Mastic	associated with A2009	Yellow	2	205F	148	sq. ft.	-	-				painted concrete	center section	one (1) duplicate sample collected. Yellow adhesive over paint, over residual black mastic. Layers inseparable.	210107.A2010.103-0196	860															
A2011	Adhesive	Adhesive associated with 12" floor time mastic	associated with wood wainscoting	-	3	1 Room	345	sq. ft.	-	-			ND																		Potentially Excluded PCB Product		
A2011	Adhesive	Adhesive associated with 12" floor time mastic	associated with wood wainscoting	-	3	314	345	sq. ft.	-	-				wall paper over painted plaster	east wall, center section	two (2) samples collected.	210107.A2011.103-0163	3.1															
A2011	Adhesive	Adhesive associated with 12" floor time mastic	associated with wood wainscoting	-	3	314	345	sq. ft.	-	-				wall paper over painted plaster	east wall, center section	two (2) samples collected.	210108.A2011.104-0276	4.4						210316.A2011.125-1071 0.48 Aroclor-1248 [2], Aroclor-1254 [1]	-	-	no sample collected			Adhesive on wall paper over plaster. GWB behind plaster.			
A2011	Adhesive	Adhesive associated with 12" floor time mastic	associated with wood wainscoting	-	3	314	345	sq. ft.	-	-				wall paper over painted plaster	east wall, center section	one (1) duplicate sample collected.	210107.A2011.103-0164	3.1															
A2012	Sealant	Concrete Floor Sealant	on Concrete Floor	clear coating	1	2 Rooms	3,692	sq. ft.	-	-			ND																		PCB Bulk Product		
A2012	Sealant	Concrete Floor Sealant	on Concrete Floor	clear coating	1	104	2233	sq. ft.	Center and South sections	20				unpainted concrete	center section east/center section	two (2) samples collected. yellow residual mastic observed underneath. layers inseparable.	210108.A2012.104-0237	930															
A2012	Sealant	Concrete Floor Sealant	on Concrete Floor	clear coating	1	104	2233	sq. ft.	Center and South sections	20				unpainted concrete	center section east/center section	two (2) samples collected. yellow residual mastic observed underneath. layers inseparable.	210108.A2012.104-0238	1300															
A2012	Sealant	Concrete Floor Sealant	Concrete Floor		1	106	1459	sq. ft.	Throughout	20	260			unpainted concrete	northwest section	one (1) sample collected. same clear sealant as Room A104, but no residual yellow mastic.	210108.A2012.104-0248	5200				210315.A2012.124-1034 24.9 Aroclor-1254 [2], Aroclor-1260 [1]	210315.A2012.124-1035 1.0 Aroclor-1254 [2]										
A2013	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		1	2 Rooms	22	LF					ND																		TBD		
A2013	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU	white/brittle	1	104	11	lnft	South Wall	31				painted cmu	south wall, center section	two (2) samples collected, b/c material not present in room A106. paint removed prior to sampling.	210108.A2013.104-0242	4.6															
A2013	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU	white/brittle	1	104	11	lnft	South Wall	31				painted cmu	south wall, center section	two (2) samples collected, b/c material not present in room A106. paint removed prior to sampling.	210108.A2013.104-0251	5															
A2013	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU	Grey/mortar	1	106	11	lnft	South wall	31	260					VOID - no expansion caulk observed. Only mortar (CMU to CMU) observed. One (1) sample collected in Room A104 for 2nd sample.	VOID																
A2014	Adhesive	Adhesive associated with 4" ceramic wall tile	associated with ceramic wall tile 4" white/blue (newer)		3	3 Rooms		sq. ft.					ND																		TBD		
A2014	Adhesive	Adhesive associated with 4" ceramic wall tile	associated with ceramic wall tile 4" white/blue (newer)	beige/gray	3	317	896	sq. ft.				6.5		Ceramic Wall Tile (H-Group A45)	north wall, east section	one (1) sample collected. ON HOLD - assumed post 1980's installation.	210108.A2014.104-0280																
A2014	Adhesive	Adhesive associated with 4" ceramic wall tile	associated with ceramic wall tile 4" white/blue (newer)	beige/gray	3	319	688	sq. ft.						Ceramic Wall Tile (H-Group A45)	north wall, east section	one (1) sample collected. ON HOLD - assumed post 1980's.	210108.A2014.104-0279																
A2014	Adhesive	Adhesive associated with 4" ceramic wall tile	associated with ceramic wall tile 4" white/blue (newer)		3	Bistro										No sample collected. Assumed post 1980s installation.	VOID																
A2015	Grout	Grout associated with 4" ceramic wall tile	associated with ceramic wall tile 4" white/blue (newer)		3	3 Rooms		sq. ft.					ND																				
A2015	Grout	Grout associated with 4" ceramic wall tile	associated with ceramic wall tile 4" white/blue (newer)		3	317	896	sq. ft.				6.5																					
A2015	Grout	Grout associated with 4" ceramic wall tile	associated with ceramic wall tile 4" white/blue (newer)		3	319	688	sq. ft.																									
A2015	Grout	Grout associated with 4" ceramic wall tile	associated with ceramic wall tile 4" white/blue (newer)		3	Bistro																											
A2016	Grout	Grout associated with 2" ceramic floor tile	associated with ceramic floor tile 2" (newer)		3	2 Rooms	328	sq. ft.					ND																				
A2016	Grout	Grout associated with 2" ceramic floor tile	associated with ceramic floor tile 2" (newer)		3	317	190	sq. ft.				6.5																					
A2016	Grout	Grout associated with 2" ceramic floor tile	associated with ceramic floor tile 2" (newer)		3	319	138	sq. ft.																									
A2017	Adhesive	Adhesive associated with 2" ceramic floor tile	associated with ceramic floor tile 2" (newer)		3	2 Rooms	328	sq. ft.					ND																		TBD		
A2017	Adhesive	Adhesive associated with 2" ceramic floor tile	associated with ceramic floor tile 2" (newer)		3	317	190	sq. ft.				6.5				VOID - no adhesive observed. mortar bed only.	VOID																
A2017	Adhesive	Adhesive associated with 2" ceramic floor tile	associated with ceramic floor tile 2" (newer)		3	319	138	sq. ft.								VOID - no adhesive observed. mortar bed only.	VOID																
A2018	Resilient Sheet Flooring	Resilient Sheet Flooring	Orange gravel pattern		1	1 Room	70	sq. ft.					ACBM >1% Previously Sampled																				

Building A - Bulk and Substrate Material Sampling Summary

Material Identification	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Location of Material	Photo Number	Air Sampling 9/20 (ng/m^3)	Air Sampling 11/20 (ng/m^3)	Asbestos Results %	Substrate (Indicate if Painted or Unpainted)	Specific Sample Location	ATC Comments	Sample ID Number (Date.H#.Photo ID #)	Total PCB Aroclor Results (ppm)	Substrate 1/4" Depth Sample ID and Results (ppm)	Substrate 1/4" - 3/4" Depth Sample ID and Results (ppm)	Substrate 3/4" - 1 1/4" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results (ppm)	Substrate 1/2 - 1" Depth Sample ID and Results (ppm)	ATC Comments	Proposed Waste Category	Legend	
A2018	Resilient Sheet Flooring	Resilient Sheet Flooring	Orange gravel pattern		1	03(hall)	70	sq. ft.	Throughout	-																						
A2019	Adhesive	Adhesive associated with Resilient Sheet Flooring	with Resilient Sheet Flooring, orange gravel pattern		1	1 Room	70	sq. ft.					Not Sampled assumed asbestos																		TBD		
A2019	Adhesive	Adhesive associated with Resilient Sheet Flooring	with Resilient Sheet Flooring, orange gravel pattern		1	03(hall)	70	sq. ft.	Throughout	-						Asbestos containing sheet flooring. Not Sampled.	VOID																
A2023	Window Glazing	Window Glazing	associated with upper metal sashes (older)										2% Chrysotile																			
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1, 2, 3								ND																			
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	101			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	102			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	103			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	103 Paint Room			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	103 Office			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	103D			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	103E			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	103 Tool Room			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	104			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	105			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	106A			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	106			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	107			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	108			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	109			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	110			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	111			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	112			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	113			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	115			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	116			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	117			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	118			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	119			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	01 Stairs			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	02 Hall			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	03 Hall			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	04 Stairs			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	05 Hall			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	06 Stairs			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	203			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	203A			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	203B			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	203C			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	203D			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	205			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	205A			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	205B			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	205C			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	205D			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	205E			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	205F			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	206B			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	208			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	208A			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	208B			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	208C			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	208D			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	208E			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	208F			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	210			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	210A			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	212			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	214			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	216			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	218			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	218A			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	220			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	222			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	224			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	221			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	223			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	225			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	Nordic Ski Room			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	11 Hall			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	08 Stairs			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	12 Hall			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	09 Stairs			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	13 Hall			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	14 Hall			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	06 Stairs			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	Lobby			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	Auditorium			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	302			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	304			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	304A			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	304B			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	304C			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	304D			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	304E			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	306			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	308			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	308A			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	308B			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	308C			Assumed Throughout					soil under concrete slab	east center section	one (1) sample collected	210702.A2050.137-1330	1.1														
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	308D			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	308E			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	310			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	314			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	316			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	316 Storage			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	316 Locker Room			Assumed Throughout					soil under concrete slab	north center section	one (1) sample collected	210702.A2050.137-1331	18														
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	312 Cafeteria			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	312 Cafeteria /Snack Bar Entry			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	312 Bistro			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	312 Kitchen			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	312F			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	312G			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	312H			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	312J			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	312K			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	312L			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	312M			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	312N			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	312P			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	312Q			Assumed Throughout																							
A2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	3	10 Hall			Assumed Throughout																							
A2051	Vapor Barrier	Vapor Barrier	Vapor Barrier, behind brick exterior	black	Exterior								ND																			
A2051	Vapor Barrier	Vapor Barrier	Vapor Barrier, behind brick exterior	black	Exterior	Exterior			Assumed Throughout				ND	Brick, Concrete and Foam Board Insulation	North west corner adjacent to Electric Room north of Kitchen		210723.A2051.140-1353	14														
A2051	Vapor Barrier	Vapor Barrier	Vapor Barrier, behind brick exterior	black	Exterior	Exterior			Assumed Throughout				ND	Brick, Concrete and Foam Board Insulation	Northeast corner adjacent to Lobby		210723.A2051.140-1354	13														

Building F - Bulk and Substrate Material Sampling Summary

Homogeneous Material	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Total Air Sampling September 2020 Results (ng/m3)	Comments	Asbestos Results %	Substrate (Indicate if Painted or Unpainted)	Specific Sample Location	ATC Comments	Sample ID Number (Date - Nr - Photo ID #)	Total PCB Aroclor Concentrations (ppm)	Substrate 0-1/2" Depth Sample ID and Results		Substrate 1/2 - 1" Depth Sample ID and Results		Substrate 0-1/2" Depth Sample ID and Results		Substrate 1/2 - 1" Depth Sample ID and Results		Substrate 0-1/2" Depth Sample ID and Results		Substrate 1/2 - 1" Depth Sample ID and Results		ATC Comments	Proposed Waste Category
																				Concrete				Plaster				Gypsum Wall Board (GWB)		Concrete Masonry Unit (CMU)			
F04	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' small fissures and pinholes		Multiple	14	1736	sqft	3					ND																		PCB Remedial Waste
F04	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' small fissures and pinholes		1	102	235	sqft	1		5824				suspended metal grid	north center section	one (1) sample collected.	210125.F04.113-0708	80													
F04	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' small fissures and pinholes		1	103A Office	103	sqft			5824																					
F04	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' small fissures and pinholes		1	103H - Classroom	158	sqft		1/3 throughout																						
F04	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' small fissures and pinholes		2	206	24	sqft		patch	5599																					
F04	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' small fissures and pinholes		2	214	760	sqft	1	throughout	5544				suspended metal grid	southeast section	one (1) sample collected. See Photo # 110-0555 for backside of suspended ceiling tile.	210120.F04.110-0564	120													
F04	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' small fissures and pinholes		3	300	166	sqft	1	throughout 1/3					suspended metal grid	near south wall, center section	one (1) sample collected. See Photo #111-0605 for backside of suspended ceiling tile.	210121.F04.111-0603	28													
F04	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' small fissures and pinholes		3	301	12	sqft		patch																						
F04	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' small fissures and pinholes		3	304A	138	sqft		throughout																						
F04	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' small fissures and pinholes		3	306	12	sqft		patch																						
F04	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' small fissures and pinholes		3	308	12	sqft																								
F04	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' small fissures and pinholes		3	315	12	sqft		patch																						
F04	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' small fissures and pinholes		2	Hallway	68	sqft		patch																						
F04	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' small fissures and pinholes		2	Hallway to Rm. 214	12	sqft		patch																						
F04	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' small fissures and pinholes		3	Hallway	24	sqft		patch																						
F05	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		Multiple	19	-	sqft	0				TBD	ND																		
F05	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		2	200	-																									
F05	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		2	202	-																									
F05	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		2	204	-																									
F05	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		2	205	-					1,300																				
F05	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		2	206	-																									
F05	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		2	207 Boy's Bathroom	-																									
F05	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		2	214 Studio B	-					6,300																				
F05	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		3	301	-																									
F05	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		3	302	-																									
F05	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		3	304	-					400																				
F05	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		3	306	-																									
F05	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		3	308	-																									
F05	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		3	308 Office	-																									
F05	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		3	309	-					760																				
F05	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		3	309B Office	-																									
F05	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		3	311	-																									
F05	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		3	312	-																									
F05	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		2	Hallway	-																									
F05	Gypsum Wall Board	Gypsum Wall Board	Gypsum Wall Board		3	Hallway	-																									
F06	Joint Compound	Joint Compound	Joint Compound		Multiple	19		sqft	0				TBD	ND																		
F06	Joint Compound	Joint Compound	Joint Compound		2	200	-																									
F06	Joint Compound	Joint Compound	Joint Compound		2	202	-																									
F06	Joint Compound	Joint Compound	Joint Compound		2	204	-																									
F06	Joint Compound	Joint Compound	Joint Compound		2	205	-					1,300																				
F06	Joint Compound	Joint Compound	Joint Compound		2	206	-																									
F06	Joint Compound	Joint Compound	Joint Compound		2	207 Boy's Bathroom	-																									
F06	Joint Compound	Joint Compound	Joint Compound		2	214 Studio B	-					6,300																				
F06	Joint Compound	Joint Compound	Joint Compound		3	301	-																									
F06	Joint Compound	Joint Compound	Joint Compound		3	302	-																									
F06	Joint Compound	Joint Compound	Joint Compound		3	304	-					400																				
F06	Joint Compound	Joint Compound	Joint Compound		3	306	-																									
F06	Joint Compound	Joint Compound	Joint Compound		3	308	-																									
F06	Joint Compound	Joint Compound	Joint Compound		3	308 Office	-																									
F06	Joint Compound	Joint Compound	Joint Compound		3	309	-					760																				
F06	Joint Compound	Joint Compound	Joint Compound		3	309B Office	-																									
F06	Joint Compound	Joint Compound	Joint Compound		3	311	-																									
F06	Joint Compound	Joint Compound	Joint Compound		3	312	-																									
F06	Joint Compound	Joint Compound	Joint Compound		2	Hallway	-																									
F06	Joint Compound	Joint Compound	Joint Compound		3	Hallway	-																									
F08	Carpet Mastic	Carpet Mastic	with blue, white, red and green carpet		Multiple	8	3289	sqft	3					ND																		PCB Bulk Product
F08	Carpet Mastic	Carpet Mastic	with blue, white, red and green carpet		2	200C	132	sqft		throughout	5671																					
F08	Carpet Mastic	Carpet Mastic	with blue, white, red and green carpet		2	206	776	sqft	1	throughout	5602				unpainted concrete	at north wall center section	one (1) sample collected. Clear adhesive over residual yellow mastic. Layers inseparable.	210120.F08.110-0555	440													
F08	Carpet Mastic	Carpet Mastic	with blue, white, red and green carpet		2	214	650	sqft		throughout	5547																					
F08	Carpet Mastic	Carpet Mastic	with blue, white, red and green carpet		3	303	437	sqft		throughout	5725																					
F08	Carpet Mastic	Carpet Mastic	with blue, white, red and green carpet		3	304A	552	sqft		throughout																						
F08	Carpet Mastic	Carpet Mastic	with blue, white, red and green carpet		3	306	580	sqft	1	throughout	5777				unpainted concrete	northwest corner	one (1) sample collected. carpet foam backing inseparable from mastic.	210121.F08.111-0650	470													
F08	Carpet Mastic	Carpet Mastic	with blue, white, red and green carpet		3	308 Office	50	sqft		throughout	5777																					
F08	Carpet Mastic	Carpet Mastic	with blue, white, red and green carpet		3	310	112	sqft	1	south section only		720, 640			unpainted concrete	southernmost section, east corner	one (1) sample collected.	210122.F08.112-0863	510	210406.F08.135-1315 8.3 Aroclor-1254 [2]	210406.F08.135-1316 0.72 Aroclor-1254 [1]								
F09	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		Multiple	12		sqft	0					ACM >1%																		
F09	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		1	103 Auto shop	-					1,900																				
F09	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		1	103B Locker Room	-																									
F09	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		1	103D Bathroom	-																									
F09	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		2	202	-																									
F09	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		2	204	-			above suspended ceiling tile																						
F09	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		2	210	-					5,800																				
F09	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		2	210A	-			above suspended ceiling tile																						
F09	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		2	212	-																									
F09	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		2	214	-			above suspended ceiling tile																						
F09	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		2	214 Studio B	-					6,300																				
F09	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		2	Hallway	-																									
F09	Thermal System Insulation	TSI associated with mudded pipe joint insulation	Mudded Pipe Joint Insulation		3	Hallway	-																									
F10	Spray-On Insulation	Spray-On Insulation	Spray-On Insulation		Multiple	11	9639	sqft	9					ND Previous Sampling Prior to Apr. 2020 Report																		PCB Bulk Product
F10	Spray-On Insulation	Spray-On Insulation	Spray-On Insulation		1	103 Auto shop	2478	sqft	1			1,900			painted structural steel	southernmost column northernmost column	one (1) sample collected. Collected two (2), because can't take safely in-room	210125.F10.113-0752	14000													
F10	Spray-On Insulation	Spray-On Insulation	Spray-On Insulation		1	103 Auto shop	2478	sqft	1			1,900			painted structural steel	southernmost column northernmost column	one (1) sample collected. Collected two (2), because can't take safely in-room	210125.F10.113-0753	20000													
F10	Spray-On Insulation	Spray-On Insulation	Spray-On Insulation		1	103C Electrical Room	141	sqft	1								VOID - unable to sample safely. Sample collected in Room F103.	VOID													
F10	Spray-On Insulation	Spray-On Insulation	Spray-On Insulation		1	103H Mechanical Rm	176	sqft	1						painted structural steel	east center column	one (1) sample collected.	210125.F10.113-0723	14000													
F10	Spray-On Insulation	Spray-On Insulation	Spray-On Insulation		2	203A Electrical Room	108	sqft	1						painted structural steel	column at west wall	one (1) sample collected.	210120.F10.110-0561	20000													
F10	Spray-On Insulation	Spray-On Insulation	Spray-On Insulation		2	210	1982	sqft	1	throughout		5,800			painted structural steel	2nd column in from easternmost	one (1) sample collected. painted nat. Paint inseparable.	210120.F10.110-0601	34000													
F10	Spray-On Insulation	Spray-On Insulation	Spray-On Insulation		2	210A	96	sqft		above suspended ceiling tile																						
F10	Spray-On Insulation	Spray-On Insulation	Spray-On Insulation		2	212	1767	sqft	1	throughout			Label in Photo "210120.F10.110-600"		painted structural steel	column at northeast corner, outside Rm212C	one (1) sample collected. painted white. Paint inseparable.	210120.F10.110-0600	23000													
F10	Spray-On Insulation	Spray-On Insulation	Spray-On Insulation		2	214	760	sqft	1	above suspended ceiling tile					painted structural steel	beam above suspended ceiling line, west center section	one (1) sample collected.	210120.F10.110-0565	24000													
F10	Spray-On Insulation	Spray-On Insulation	Spray-On Insulation		2	214 Studio B	1852	sqft	1			6,300			painted structural steel	at east wall, south column	one (1) sample collected. painted white. paint inseparable.	210120.F10.110-0568	31000													
F10	Spray-On Insulation	Spray-On Insulation	Spray-On Insulation		3	307	188	sqft	1						painted structural steel beam	north center section	one (1) sample collected.	210121.F10.111-0641	29000													
F10	Spray-On Insulation	Spray-On Insulation	Spray-On Insulation		3	307A	91	sqft																								
F11	Vinyl Floor Tile	9" Tile	9" x 9" dark gray with white streaks		Multiple	17	6560	sqft	0				Only test mastic for PCBs at this time, asbestos.	ACM >1% Previous Sampling Prior to Apr. 2020 Report																		
F11	Vinyl Floor Tile	9" Tile	9" x 9" dark gray with white streaks		2	202	749	sqft		under carpet throughout	5575																					
F11	Vinyl Floor Tile	9" Tile	9" x 9" dark gray with white streaks		2	205A	156	sqft		throughout	5575																					
F11	Vinyl Floor Tile	9" Tile	9" x 9" dark gray with white streaks		2	207 Boy's Bathroom	25	sqft		entry only	5575																					
F11	Vinyl Floor Tile	9" Tile	9" x 9" dark gray with white streaks		2	209 Custodial Cl.	51	sqft		throughout	5575																					
F11	Vinyl Floor Tile	9" Tile	9" x 9" dark gray with white streaks		2	211 Girl's Bathroom	36	sqft		entry only	5575																					
F11	Vinyl Floor Tile	9" Tile	9" x 9" dark gray with white streaks		3	300	499	sqft		underneath carpet	5575																					

Legend

- Not Regulated
- TBD
- PCB Remedial Waste
- Potentially Excluded PCB Product (EPP)
- PCB Bulk Products
- * = Proposed Substrate Sample Location

- = Denotes homogeneous material
- = Denotes proposed sample location
- = Denotes Duplicate Sample Collected

ND = None Detect

NA = Not Analyzed

Building F - Bulk and Substrate Material Sampling Summary

Homogeneous Material	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Total Air Sampling September 2020 Results (ng/m3)	Comments	Asbestos Results %	Substrate (Indicate if Painted or Unpainted)	Specific Sample Location	ATC Comments	Sample ID Number (Date - Hill - Photo ID #)	Total PCB Aroclor Concentrations (ppm)	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ATC Comments	Proposed Waste Category	Legend
F11	Vinyl Floor Tile	9" Tile	9" x 9" dark gray with white streaks		3	300F	66	sqft		throughout	5575																			
F11	Vinyl Floor Tile	9" Tile	9" x 9" dark gray with white streaks		3	300G	118	sqft		under carpet	5575						VOID - material not observed in room F300G	VOID												
F11	Vinyl Floor Tile	9" Tile	9" x 9" dark gray with white streaks		3	305	40	sqft		throughout	5575																			
F11	Vinyl Floor Tile	9" Tile	9" x 9" dark gray with white streaks		3	311A	60	sqft		throughout	5575																			
F11	Vinyl Floor Tile	9" Tile	9" x 9" dark gray with white streaks		3	315	65	sqft		at south wall and southwest door	5575																			
F11	Vinyl Floor Tile	9" Tile	9" x 9" dark gray with white streaks		3	315A	111	sqft		throughout	5575																			
F11	Vinyl Floor Tile	9" Tile	9" x 9" dark gray with white streaks		3	317	24	sqft		at west wall	5575																			
F11	Vinyl Floor Tile	9" Tile	9" x 9" dark gray with white streaks		2	Hallway	1368	sqft		throughout	5575																			
F11	Vinyl Floor Tile	9" Tile	9" x 9" dark gray with white streaks		2	Hallway to Rm. 214	604	sqft		throughout	5575																			
F11	Vinyl Floor Tile	9" Tile	9" x 9" dark gray with white streaks		3	Hallway	2280	sqft		throughout	5575																			
F11	Vinyl Floor Tile	9" Tile	9" x 9" dark gray with white streaks		-	South Stairwell	298	sqft		at 1st, 2nd & 3rd floors	5575																			
F12	Mastic	9" Tile Mastic	associated with F11		Multiple	17	6560	sqft	8					4% Chrysotile															PCB Bulk Product	
F12	Mastic	9" Tile Mastic	associated with F11		2	202	769	sqft	1	under carpet throughout	5575				unpainted concrete	southeast section under carpet (F34)	one (1) sample collected.	210120 F12 110-0547	92											
F12	Mastic	9" Tile Mastic	associated with F11		2	205A	156	sqft		throughout	5575																			
F12	Mastic	9" Tile Mastic	associated with F11		2	207 Boy's Bathroom	25	sqft	1	entry only	5575				unpainted concrete	entry only, center section	one (1) sample collected.	210120 F12 110-0557	820											
F12	Mastic	9" Tile Mastic	associated with F11		2	209 Custodial Cl.	51	sqft		throughout	5575																			
F12	Mastic	9" Tile Mastic	associated with F11		2	211 Girl's Bathroom	36	sqft		entry only	5575																			
F12	Mastic	9" Tile Mastic	associated with F11		3	300	499	sqft		underneath carpet	5575																			
F12	Mastic	9" Tile Mastic	associated with F11		3	300F	66	sqft	-	throughout	5575				unpainted concrete	west end, center section	one (1) sample collected. taken in Room F300F, because material not observed in	210121 F12 111-0620	1700											
F12	Mastic	9" Tile Mastic	associated with F11		3	300G	118	sqft	1	under carpet	5575						VOID - material not observed in Room F300G, sample collected in Rm300F	VOID												
F12	Mastic	9" Tile Mastic	associated with F11		3	305	40	sqft		throughout	5575																			
F12	Mastic	9" Tile Mastic	associated with F11		3	311A	60	sqft		throughout	5575																			
F12	Mastic	9" Tile Mastic	associated with F11		3	315	65	sqft		at south wall and southwest door	5575																			
F12	Mastic	9" Tile Mastic	associated with F11	black	3	315A	111	sqft	1	throughout	5575				unpainted concrete	east center section	one (1) sample collected.	210121 F12 111-0658	450											
F12	Mastic	9" Tile Mastic	associated with F11	black	3	315A	111	sqft	DUP	throughout	5575				unpainted concrete	east center section	one (1) duplicate sample collected.	210121 F12 111-0659	550											
F12	Mastic	9" Tile Mastic	associated with F11		3	317	24			at west wall	5575																			
F12	Mastic	9" Tile Mastic	associated with F11		2	Hallway	1368	sqft	1	throughout	5575				unpainted concrete	hall north to south, north end, west corner	one (1) sample collected.	210120 F12 110-0597	3100	210401 F12 133-1269 0.73 Aroclor-1254 (3)	210401 F12 133-1270 NA								
F12	Mastic	9" Tile Mastic	associated with F11		2	Hallway	1368	sqft	DUP	throughout	5575				unpainted concrete	hall north to south, north end, west corner	one (1) duplicate sample collected.	210120 F12 110-0598	2600											
F12	Mastic	9" Tile Mastic	associated with F11		2	Hallway to Rm. 214	604	sqft	1		5575				unpainted concrete	at east wall, north end	one (1) sample collected.	210110 F12 110-0571	2400											
F12	Mastic	9" Tile Mastic	associated with F11	black	3	Hallway	2280	sqft	1	throughout	5575				unpainted concrete	center section of hall, northeast section	one (1) sample collected.	210121 F12 111-0649	1200											
F12	Mastic	9" Tile Mastic	associated with F11		-	South Stairwell	298	sqft	1	at 1st, 2nd & 3rd floors	5575				unpainted concrete	2nd level, southwest section, near south wall	one (1) sample collected.	210120 F12 110-0595	200											
F13	Plaster	Plaster	Plaster		Multiple	65		sqft	0				TBD	ND Previous Sampling Prior to Apr. 2020 Report																
F13	Plaster	Plaster	Plaster		1	102	-																							
F13	Plaster	Plaster	Plaster		1	103B Locker Room	-																							
F13	Plaster	Plaster	Plaster		1	104 Bathroom	-																							
F13	Plaster	Plaster	Plaster		2	200	-																							
F13	Plaster	Plaster	Plaster		2	200A	-																							
F13	Plaster	Plaster	Plaster		2	200B	-																							
F13	Plaster	Plaster	Plaster		2	200C	-																							
F13	Plaster	Plaster	Plaster		2	200E	-																							
F13	Plaster	Plaster	Plaster		2	201 All-gender Bath	-																							
F13	Plaster	Plaster	Plaster		2	203 Handicap Bath	-																							
F13	Plaster	Plaster	Plaster		2	202	-																							
F13	Plaster	Plaster	Plaster		2	204	-																							
F13	Plaster	Plaster	Plaster		2	205	-					1,300																		
F13	Plaster	Plaster	Plaster		2	205A	-																							
F13	Plaster	Plaster	Plaster		2	206	-																							
F13	Plaster	Plaster	Plaster		2	207 Boy's Bathroom	-																							
F13	Plaster	Plaster	Plaster		2	207A Electrical Room	-																							
F13	Plaster	Plaster	Plaster		2	209 Custodial Cl.	-																							
F13	Plaster	Plaster	Plaster		2	210B	-																							
F13	Plaster	Plaster	Plaster		2	210C	-																							
F13	Plaster	Plaster	Plaster		2	211 Girl's Bathroom	-																							
F13	Plaster	Plaster	Plaster		3	300	-																							
F13	Plaster	Plaster	Plaster		3	300A	-																							
F13	Plaster	Plaster	Plaster		3	300B	-																							
F13	Plaster	Plaster	Plaster		3	300C	-																							
F13	Plaster	Plaster	Plaster		3	300D	-																							
F13	Plaster	Plaster	Plaster		3	300E	-																							
F13	Plaster	Plaster	Plaster		3	300F	-																							
F13	Plaster	Plaster	Plaster		3	300G	-																							
F13	Plaster	Plaster	Plaster		3	300H	-																							
F13	Plaster	Plaster	Plaster		3	301	-																							
F13	Plaster	Plaster	Plaster		3	302	-																							
F13	Plaster	Plaster	Plaster		3	302 Bathroom	-																							
F13	Plaster	Plaster	Plaster		3	303	-																							
F13	Plaster	Plaster	Plaster		3	303 Office	-																							
F13	Plaster	Plaster	Plaster		3	304	-					400																		
F13	Plaster	Plaster	Plaster		3	304 Office	-																							
F13	Plaster	Plaster	Plaster		3	304A	-																							
F13	Plaster	Plaster	Plaster		3	304B Office	-																							
F13	Plaster	Plaster	Plaster		3	304C Storage	-																							
F13	Plaster	Plaster	Plaster		3	305	-																							
F13	Plaster	Plaster	Plaster		3	306	-																							
F13	Plaster	Plaster	Plaster		3	307	-																							
F13	Plaster	Plaster	Plaster		3	307A	-																							
F13	Plaster	Plaster	Plaster		3	308																								
F13	Plaster	Plaster	Plaster		3	308 Office	-																							
F13	Plaster	Plaster	Plaster		3	309A Bathroom	-																							
F13	Plaster	Plaster	Plaster		3	309B Storage	-																							
F13	Plaster	Plaster	Plaster		3	309	-					760																		
F13	Plaster	Plaster	Plaster		3	309B Office	-																							
F13	Plaster	Plaster	Plaster		3	310	-					720, 640																		
F13	Plaster	Plaster	Plaster		3	310A Bathroom	-																							
F13	Plaster	Plaster	Plaster		3	311	-																							
F13	Plaster	Plaster	Plaster		3	311A	-																							
F13	Plaster	Plaster	Plaster		3	312	-																							
F13	Plaster	Plaster	Plaster		3	312A Office	-																							
F13	Plaster	Plaster	Plaster		3	312B Storage	-																							
F13	Plaster	Plaster	Plaster		3	313	-																							
F13	Plaster	Plaster	Plaster		3	315	-																							
F13	Plaster	Plaster	Plaster		3	315A	-																							
F13	Plaster	Plaster	Plaster		3	317	-																							
F13	Plaster	Plaster	Plaster		2	Hallway	-																							
F13	Plaster	Plaster	Plaster		2	Hallway to Rm. 214	-																							
F13	Plaster	Plaster	Plaster		3	Hallway	-																							
F13	Plaster	Plaster	Plaster		-	South Stairwell	-																							
F14	Covebase	4" Covebase	4" black (original)		Multiple	12	667	sqft	0				Only test mastic for PCBs at this time.	ND																
F14	Covebase	4" Covebase	4" black (original)		2	205A	16	sqft		throughout	5573																			
F14	Covebase	4" Covebase	4" black (original)		2	207A Electrical Room	12	sqft		throughout	5573																			
F14	Covebase	4" Covebase	4" black (original)		2	209 Custodial Cl.	8	sqft		throughout	5573																			
F14	Covebase	4" Covebase	4" black (original)		2	211 Girl's Bathroom	6	sqft		entry only	5573																			
F14	Covebase	4" Covebase	4" black (original)		3	300F	11	sqft		throughout	5573																			
F14	Covebase	4" Covebase	4" black (original)		3	302	26	sqft		throughout	5573																			
F14	Covebase	4" Covebase	4" black (original)		3	304	40	sqft		throughout	5573	400																		
F14	Covebase	4" Covebase	4" black (original)		3	304 Office	14	sqft		throughout	5573																			
F14	Covebase	4" Covebase	4" black (original)		3	305	9	sqft		throughout	5573																			

Building F - Bulk and Substrate Material Sampling Summary

Homogeneous Material	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Total Air Sampling September 2020 Results (ng/m3)	Comments	Asbestos Results %	Substrate (Indicate if Painted or Unpainted)	Specific Sample Location	ATC Comments	Sample ID Number (Date - Hill - Photo ID #)	Total PCB Aroclor Concentration (ppm)	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ATC Comments	Proposed Waste Category	Legend
F14	Covebase	4" Covebase	4" black (original)		3	307	20	sqft		throughout	5573																		
F14	Covebase	4" Covebase	4" black (original)		3	307A	11	sqft		throughout	5573																		
F14	Covebase	4" Covebase	4" black (original)		3	308B Storage	8	sqft		throughout	5573																		
F14	Covebase	4" Covebase	4" black (original)		3	311A	9	sqft		throughout	5573																		
F14	Covebase	4" Covebase	4" black (original)		3	313B Storage	14	sqft		throughout	5573																		
F14	Covebase	4" Covebase	4" black (original)		3	313	16	sqft		throughout	5573																		
F14	Covebase	4" Covebase	4" black (original)		3	315	36	sqft		throughout	5573																		
F14	Covebase	4" Covebase	4" black (original)		3	315A	14	sqft		throughout	5573																		
F14	Covebase	4" Covebase	4" black (original)		3	317	19	sqft		throughout	5573																		
F14	Covebase	4" Covebase	4" black (original)		2	Hallway	112	sqft		throughout	5573																		
F14	Covebase	4" Covebase	4" black (original)		2	Hallway to Rm. 214	55	sqft		throughout	5573																		
F14	Covebase	4" Covebase	4" black (original)		3	Hallway	179	sqft		throughout	5573																		
F14	Covebase	4" Covebase	4" black (original)		-	South Stairwell	32	sqft		1st and 2nd level	5573																		
F15	Adhesive	4" Covebase Adhesive	associated with F15		Multiple	23	673	sqft	3					ND															PCB Bulk Product
F15	Adhesive	4" Covebase Adhesive	associated with F15	dark brown	2	205A	16	sqft	1	throughout	5573				painted plaster	east wall, center section	one (1) sample collected.	210120.F15.110-0954	110										
F15	Adhesive	4" Covebase Adhesive	associated with F14		2	207 Boy's Bathroom	6	sqft		residual throughout entry	5573																		
F15	Adhesive	4" Covebase Adhesive	associated with F15		2	207A Electrical Room	12	sqft		throughout	5573																		
F15	Adhesive	4" Covebase Adhesive	associated with F15		2	209 Custodial Ct.	8	sqft		throughout	5573																		
F15	Adhesive	4" Covebase Adhesive	associated with F15		2	213 Girl's Bathroom	6	sqft		entry only	5573																		
F15	Adhesive	4" Covebase Adhesive	associated with F14		3	308F	11	sqft		throughout	5573																		
F15	Adhesive	4" Covebase Adhesive	associated with F15		3	302	26	sqft		throughout	5573																		
F15	Adhesive	4" Covebase Adhesive	associated with F14	dark brown	3	304	40	sqft	1	throughout	5573	400			painted CMU	west wall, north section	one (1) sample collected.	210121.F15.111-0839	110										
F15	Adhesive	4" Covebase Adhesive	associated with F15		3	304 Office	14	sqft		throughout	5573																		
F15	Adhesive	4" Covebase Adhesive	associated with F15		3	305	9	sqft		throughout	5573																		
F15	Adhesive	4" Covebase Adhesive	associated with F15		3	307	20	sqft		throughout	5573																		
F15	Adhesive	4" Covebase Adhesive	associated with F15		3	307A	11	sqft		throughout	5573																		
F15	Adhesive	4" Covebase Adhesive	associated with F14		3	308B Storage	8	sqft		throughout	5573																		
F15	Adhesive	4" Covebase Adhesive	associated with F14		3	311A	9	sqft		throughout	5573																		
F15	Adhesive	4" Covebase Adhesive	associated with F38		3	313B Storage	14	sqft		throughout	5573																		
F15	Adhesive	4" Covebase Adhesive	associated with F15		3	313	16	sqft		throughout	5573																		
F15	Adhesive	4" Covebase Adhesive	associated with F15		3	315	36	sqft		throughout	5573																		
F15	Adhesive	4" Covebase Adhesive	associated with F15		3	315A	14	sqft		throughout	5573																		
F15	Adhesive	4" Covebase Adhesive	associated with F15		3	317	19	sqft		throughout	5573																		
F15	Adhesive	4" Covebase Adhesive	associated with F15		2	Hallway	112	sqft		throughout	5573																		
F15	Adhesive	4" Covebase Adhesive	associated with F15	dark brown	2	Hallway to Rm. 214	55	sqft	1	throughout	5573				unpainted CMU	east wall, north end	one (1) sample collected.	210110.F15.110-0570	290							210401.F15.110-1273 5.6 Aroclor-1248 [1], Aroclor-1254 [1]	210401.F15.110-1274 NA			
F15	Adhesive	4" Covebase Adhesive	associated with F15		3	Hallway	179	sqft		throughout	5573																		
F15	Adhesive	4" Covebase Adhesive	associated with F15		-	South Stairwell	32	sqft		1st and 2nd level	5573																		
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		Multiple	42	16645	sqft	16					ND															PCB Remedial Waste
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	204A	183	sqft		throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	203B	227	sqft		throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	204	498	sqft		throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	205	696	sqft	1			1,300			suspended metal grid	northwest section	one (1) sample collected. "FM 4" printed on backside. See Photo #1019-0522.	210119.F16.109-0523	39										
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	205A	156	sqft		throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	206	752	sqft		throughout	5660																		
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	207 Boy's Bathroom	25	sqft	1	entry only					suspended metal grid	entry only, north center section	one (1) sample collected.	210120.F16.110-0558	180										
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	210A	96	sqft		throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	212A	67	sqft		throughout	5557																		
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	300	166	sqft		throughout 1/3																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	300A	83	sqft		throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	300B	83	sqft		throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	300C	86	sqft		throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	300D	129	sqft		throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	300E	180	sqft	1	throughout					suspended metal grid	rear south wall, center section	one (1) sample collected.	210121.F16.111-0918	19										
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	300G	118	sqft		throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	300H	92	sqft		throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	301	790	sqft	1	throughout					suspended metal grid	north center section	one (1) sample collected.	210121.F16.111-0806	19										
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	302	416	sqft		throughout	5714																		
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	303	417	sqft		throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	303 Office	329	sqft		throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	304	880		1	throughout		400			suspended metal grid	south center section	one (1) sample collected.	210121.F16.111-0829	2.6										
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	304 Office	124	sqft		throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	304A	414	sqft	1	throughout					suspended metal grid	southwest section	one (1) sample collected.	210121.F16.111-0836	3.0										
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	304B Office	138	sqft		throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	304C Storage	80	sqft		throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	306	556	sqft	1	throughout					suspended metal grid	north center section	one (1) sample collected.	210121.F16.111-0851	12										
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	308	526	sqft	1	throughout					suspended metal grid	north center section	one (1) sample collected.	210121.F16.111-0852	15										
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	308 Office	50	sqft		throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	309	1140		1	throughout		760			suspended metal grid	south center section	one (1) sample collected.	210122.F16.112-0888	25										
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	310	458	sqft	1	throughout		720, 640			suspended metal grid	north center section	one (1) sample collected.	210122.F16.112-0866	22										
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	311	325	sqft		throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	312	562	sqft		throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	312A Office	87	sqft	1	throughout					suspended metal grid	center section	one (1) sample collected.	210122.F16.112-0675	23										
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	313	127	sqft		throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	315	669	sqft	1	throughout					suspended metal grid	southeast corner	one (1) sample collected.	210121.F16.111-0857	3.1										
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	315A	111	sqft		throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	317	434			throughout																			
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	Hallway	1300	sqft	1	throughout					suspended metal grid	near east wall, outside Room F203	one (1) sample collected.	210120.F16.110-0575	55										
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		2	Hallway to Rm. 214	580	sqft	1	throughout					suspended metal grid	near east wall, center section	one (1) sample collected.	210120.F16.110-0574	56										
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		3	Hallway	2232	sqft	1	throughout					suspended metal grid	north end of hall, center section, outside Room F313	one (1) sample collected.	210122.F16.112-0899	9.0										
F16	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' Deep Fissures		-	South Stairwell	263	sqft	1	throughout top level					suspended metal grid	top landing, northwest corner	one (1) sample collected.	210126.F16.110-0577	23										
F17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' long fissures same direction w/ pinholes		Multiple	13	686	sqft	3					ND															PCB Remedial Waste
F17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' long fissures same direction w/ pinholes		1	103H Classroom	158	sqft		1/3 throughout																			
F17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' long fissures same direction w/ pinholes		2	204	189	sqft		patch throughout	5612																		
F17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' long fissures same direction w/ pinholes		3	300	166	sqft		throughout 1/3																			
F17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' long fissures same direction w/ pinholes		3	301	12	sqft		patch																			
F17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' long fissures same direction w/ pinholes		3	302	36	sqft		patch	5717																		
F17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' long fissures same direction w/ pinholes		3	303	20	sqft		patch																			
F17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' long fissures same direction w/ pinholes		3	304	8	sqft	1	patch		400			suspended metal grid	northeast section	one (1) sample collected.	210121.F17.111-0830	4.5										
F17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' long fissures same direction w/ pinholes		3	306	12	sqft		patch																			
F17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' long fissures same direction w/ pinholes		3	308	12	sqft		patch																			
F17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' long fissures same direction w/ pinholes		3	309	48	sqft	1	patch		760			suspended metal grid	south center section	one (1) sample collected.	210122.F17.112-0889	31										
F17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' long fissures same direction w/ pinholes		3	315	12	sqft		patch																			
F17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' long fissures same direction w/ pinholes		2	Hallway to Rm. 214	12	sqft		patch																			
F17	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' long fissures same direction w/ pinholes		3	Hallway	24	sqft	1	patch					suspended metal grid	north end section of hall, east center section	one (1) sample collected.	210122.F17.112-0895	6.2										
F18	Window Caulking	Window Caulking	metal casing to CMU		Multiple	38		sqft	0				Previously Sampled, PCB F19 (A-150,000) (B-144,000)	ND															
F18	Window Caulking	Window Caulking	metal casing to CMU		1	102	-																						
F18	Window Caulking	Window Caulking	metal casing to CMU		1	103B Locker Room	-																						
F18	Window Caulking	Window Caulking	metal casing to CMU		1	103C Electrical Room	-																						
F18	Window Caulking	Window Caulking	metal casing to CMU		1	103D Bathroom	-																						
F18	Window Caulking	Window Caulking	Metal casing to CMU		2	200A	-																						
F18	Window Caulking	Window Caulking	Metal casing to CMU		2	200B	-																						
F18	Window Caulking	Window Caulking	Metal casing to CMU		2	202	-																						
F18	Window Caulking	Window Caulking	Metal casing to CMU		2	204	-																						
F18	Window Caulking	Window Caulking	Metal casing to CMU		2	205	-					1,300																		
F18	Window Caulking	Window Caulking	Metal casing to CMU		2	206	-																						
F18	Window Caulking	Window Caulking	Metal casing to CMU		2	207 Boy's Bathroom	-																						
F18	Window Caulking	Window Caulking	Metal casing to CMU		2	210	-					5,800																		

Building F - Bulk and Substrate Material Sampling Summary

Homogeneous Material	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Total Air Sampling September 2020 Results (ng/m3)	Comments	Asbestos Results %	Substrate (Indicate if Painted or Unpainted)	Specific Sample Location	ATC Comments	Sample ID Number (Date - Init - Photo ID #)	Total PCB Aroclor Concentration (ppm)	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ATC Comments	Proposed Waste Category	Legend
F18	Window Caulking	Window Caulking	metal casing to CMU		2	212	-																						
F18	Window Caulking	Window Caulking	metal casing to CMU		2	214 Studio B	-					6,300																	
F18	Window Caulking	Window Caulking	metal casing to CMU		3	300A	-																						
F18	Window Caulking	Window Caulking	metal casing to CMU		3	300B	-																						
F18	Window Caulking	Window Caulking	metal casing to CMU		3	300C	-																						
F18	Window Caulking	Window Caulking	metal casing to CMU		3	300D	-																						
F18	Window Caulking	Window Caulking	metal casing to CMU		3	300E	-																						
F18	Window Caulking	Window Caulking	metal casing to CMU		3	300G	-																						
F18	Window Caulking	Window Caulking	metal casing to CMU		3	300H	-																						
F18	Window Caulking	Window Caulking	Metal casing to CMU		3	301	-																						
F18	Window Caulking	Window Caulking	Metal casing to CMU		3	302	-																						
F18	Window Caulking	Window Caulking	Metal casing to CMU		3	303	-																						
F18	Window Caulking	Window Caulking	Metal casing to CMU		3	303 Office	-																						
F18	Window Caulking	Window Caulking	Metal casing to CMU		3	304	-					400																	
F18	Window Caulking	Window Caulking	Metal casing to CMU		3	304 Office	-																						
F18	Window Caulking	Window Caulking	Metal casing to CMU		3	304A	-																						
F18	Window Caulking	Window Caulking	Metal casing to CMU		3	306	-																						
F18	Window Caulking	Window Caulking	Metal casing to CMU		3	308	-																						
F18	Window Caulking	Window Caulking	Metal casing to CMU		3	309	-					760																	
F18	Window Caulking	Window Caulking	Metal casing to CMU		3	310	-					720, 640																	
F18	Window Caulking	Window Caulking	Metal casing to CMU		3	311	-																						
F18	Window Caulking	Window Caulking	Metal casing to CMU		3	312	-																						
F18	Window Caulking	Window Caulking	Metal casing to CMU		3	315	-																						
F18	Window Caulking	Window Caulking	Metal casing to CMU		3	315A	-																						
F18	Window Caulking	Window Caulking	Metal casing to CMU		3	317	-																						
F18	Window Caulking	Window Caulking	metal casing to CMU		2	Hallway by Rm. 214	-																						
F19	Flew Connector	Duct Seam Sealant	associated with ductwork		2	2		sqft	0				cloth type material	ND															
F19	Flew Connector	Duct Seam Sealant	associated with ductwork		2	210	-					5,800																	
F19	Flew Connector	Duct Seam Sealant	associated with ductwork		2	212	-																						
F23	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks		2	2	110	sqft	0					ND															
F23	Vinyl Floor Tile	12" Tile	12" x 12" white with blue streaks		2	214	110	sqft		south section	5546																		
F24	Mastic	12" Tile Mastic	associated with F23		2	2	110	sqft	2	south section				ND															PCB Bulk Product
F24	Mastic	12" Tile Mastic	associated with F23		2	214	110	sqft	2	south section	5546				residual paint on concrete	rear south wall, center section	two (2) samples collected. Mastic over residual green paint on concrete. Paint inseparable.	210120.F24.110-0566	4300	210401.F24 133-1275 3.71 Aroclor-1248 [1], Aroclor-1254 [2]	210401.F24 133-1276 NA								
F24	Mastic	12" Tile Mastic	associated with F23		2	214	110	sqft	2	south section	5546				residual paint on concrete	rear south wall, center section	one (1) sample collected. Mastic over residual green paint on concrete. Paint inseparable.	210120.F24.110-0567	3600										
F25	Grout	4" Tile	associated with ceramic wall tile 4" yellow/green/white	white	Multiple	10	2947	sqft	0				Not mastic	ND															
F25	Grout	4" Tile	associated with ceramic wall tile 4" yellow/green/white	white	1	103D Bathroom	100	sqft		showers																			
F25	Grout	4" Tile	associated with ceramic wall tile 4" yellow/green/white	white	2	201 All gender Bath	342	sqft		throughout																			
F25	Grout	4" Tile	associated with ceramic wall tile 4" yellow/green/white	white	2	203 Handicap Bath	342	sqft		throughout	5646																		
F25	Grout	4" Tile	associated with ceramic wall tile 4" yellow/green/white	white	2	207 Boy's Bathroom	562	sqft		throughout	5594																		
F25	Grout	4" Tile	associated with ceramic wall tile 4" yellow/green/white	white	2	209 Custodial O.	16	sqft		northeast corner																			
F25	Grout	4" Tile	associated with ceramic wall tile 4" yellow/green/white	white	2	211 Girl's Bathroom	558	sqft		underneath F110																			
F25	Grout	4" Tile	associated with ceramic wall tile 4" yellow/green/white	white	3	302 Bathroom	353	sqft		throughout																			
F25	Grout	4" Tile	associated with ceramic wall tile 4" yellow/green/white	white	3	305	16	sqft		northeast corner	5744																		
F25	Grout	4" Tile	associated with ceramic wall tile 4" yellow/green/white	white	3	308A Bathroom	132	sqft		throughout																			
F25	Grout	4" Tile	associated with ceramic wall tile 4" yellow/green/white	white	3	315A Bathroom	206	sqft		throughout																			
F26	Adhesive	4" Tile Adhesive	associated with F25		Multiple	10	2947	sqft	3				Mortar Bed or Adhesive	ND															PCB Bulk Product
F26	Adhesive	4" Tile Adhesive	associated with F25	yellow	1	103D Bathroom	320	sqft	1	showers					unpainted CMU	northernmost wall of showers	one (1) sample collected.	210125.F26.113-0717	64										
F26	Adhesive	4" Tile Adhesive	associated with F25		2	201 All gender Bath	342	sqft		throughout																			
F26	Adhesive	4" Tile Adhesive	associated with F25		2	203 Handicap Bath	342	sqft		throughout																			
F26	Adhesive	4" Tile Adhesive	associated with F25		2	207 Boy's Bathroom	562	sqft	1	throughout	5594				plaster base coat		VOID - no adhesive observed. Mortar bed only	VOID - See Photo #110-0559											
F26	Adhesive	4" Tile Adhesive	associated with F25		2	209 Custodial O.	16	sqft	1	northeast corner					unpainted plaster skim coat	east wall, north end	one (1) sample collected. Plaster skim coat inseparable.	210122.F26.112-0705	26										
F26	Adhesive	4" Tile Adhesive	associated with F25	white	2	209 Custodial O.	16	sqft	DUP	northeast corner					unpainted plaster skim coat	east wall, north end	one (1) duplicate sample collected. Plaster skim coat inseparable.	210122.F26.112-0706	26										
F26	Adhesive	4" Tile Adhesive	associated with F25		2	211 Girl's Bathroom	558	sqft		underneath F110																			
F26	Adhesive	4" Tile Adhesive	associated with F25		3	302 Bathroom	132	sqft		throughout																			
F26	Adhesive	4" Tile Adhesive	associated with F25		3	308A Bathroom	36	sqft		throughout																			
F26	Adhesive	4" Tile Adhesive	associated with F25		3	315A Bathroom	206	sqft	1	throughout							VOID - no adhesive observed. mortar bed only	VOID - See Photo #112-0665											
F27	Grout	Grout associated with 1" ceramic floor tile	associated with ceramic floor tile 1" gray/green		Multiple	7	832	sqft	0				Not mastic	ND															
F27	Grout	Grout associated with 1" ceramic floor tile	associated with ceramic floor tile 1" gray/green with white		2	201 All gender Bath	88	sqft		throughout	5595																		
F27	Grout	Grout associated with 1" ceramic floor tile	associated with ceramic floor tile 1" gray/green with white		2	203 Handicap Bath	88	sqft		throughout	5595																		
F27	Grout	Grout associated with 1" ceramic floor tile	associated with ceramic floor tile 1" gray/green		2	207 Boy's Bathroom	240	sqft		throughout	5595																		
F27	Grout	Grout associated with 1" ceramic floor tile	associated with ceramic floor tile 1" gray/green with white		2	211 Girl's Bathroom	201	sqft		underneath F113	5595																		
F27	Grout	Grout associated with 1" ceramic floor tile	associated with ceramic floor tile 1" gray/green		3	302 Bathroom	99	sqft		throughout	5595																		
F27	Grout	Grout associated with 1" ceramic floor tile	associated with ceramic floor tile 1" gray/green with white		3	308A Bathroom	36	sqft		throughout	5595																		
F27	Grout	Grout associated with 1" ceramic floor tile	associated with ceramic floor tile 1" gray/green with white		3	315A Bathroom	80	sqft		throughout	5595																		
F28	Adhesive	1" Tile Adhesive associated with grout	associated with F27		Multiple	7	832	sqft	3				Mortar Bed or Adhesive	ND															TBD
F28	Adhesive	1" Tile Adhesive associated with grout	associated with F27		2	201 All gender Bath	88	sqft		throughout	5595																		
F28	Adhesive	1" Tile Adhesive associated with grout	associated with F27		2	203 Handicap Bath	88	sqft		throughout	5595																		
F28	Adhesive	1" Tile Adhesive associated with grout	associated with F27		2	207 Boy's Bathroom	240	sqft	1	throughout	5595				unpainted concrete		VOID - no adhesive observed. mortar bed only	VOID - See Photo #110-0560											
F28	Adhesive	1" Tile Adhesive associated with grout	associated with F27		2	211 Girl's Bathroom	201	sqft	1	underneath F113	5595				unpainted concrete		VOID - no adhesive observed. mortar bed only.	VOID - See Photo #110-0602											
F28	Adhesive	1" Tile Adhesive associated with grout	associated with F27		3	302 Bathroom	99	sqft	1	throughout	5595				mortar bed/unpainted concrete	near east wall, at door	one (1) sample collected. dark brown glue dots at back of jamsc floor tiles.	210121.F28.111-0624	230	210402.F28.134-1287 0.96 Aroclor-1254 [1]	210402.F28.134-1288 NA								PCB Bulk Product
F28	Adhesive	1" Tile Adhesive associated with grout	associated with F27		3	308A Bathroom	36	sqft		throughout	5595																		
F28	Adhesive	1" Tile Adhesive associated with grout	associated with F27		3	315A Bathroom	80	sqft		throughout	5595																		
F32	Sink Undercoating	Sink Undercoat	small single bay sink	tan	Multiple	2	6	sqft	2				Limited quantity, asbestos.	6% Chrysotile															PCB Bulk Product
F32	Sink Undercoating	Sink Undercoat	small single bay sink	tan	2	204	3	sqft	1		5614				stainless steel single bay sink	sink at east wall, south section	one (1) sample collected.	210120.F32.110-0548	880										
F32	Sink Undercoating	Sink Undercoat	small single bay sink	tan	3	312	3	sqft	1		5614						VOID - sink has no undercoating. Sink has either been replaced or was marked wrong												
F34	Carpet Mastic	Carpet Mastic	with blue & gray carpet (older)		Multiple	4	1114	sqft	3					ND															PCB Bulk Product
F34	Carpet Mastic	Carpet Mastic	with blue & gray carpet (older)		2	202	769	sqft	1	throughout	5624/5765				Vinyl Floor Tile (F11)	southeast section	one (1) sample collected.	210120.F34.110-0546	25										
F34	Carpet Mastic	Carpet Mastic	with blue & gray carpet (older)	yellow	3	304B Office	138	sqft	1	throughout	5624/5765				unpainted concrete	southeast corner	one (1) sample collected.	210121.F34.111-0640	560	21042.F34.134-1303 4.7 Aroclor-1254 [1]	21042.F34.134-1304 NA								
F34	Carpet Mastic	Carpet Mastic	with blue & gray carpet (older)		3	304C Storage	80	sqft		throughout	5624/5765																		
F34	Carpet Mastic	Carpet Mastic	with blue & gray carpet (older)		3	313	127	sqft	1	throughout	5624/5765		Label in Photo "210110.F34.113-0007"		floor leveling agent, unpainted concrete	northwest corner	one (1) sample collected. Floor leveling agent inseparable.	210122.F34.112-0882	340										
F35	Vinyl Floor Tile	12" Tile	12" x 12" blue with white markings		2	1	183	sqft	0				Only test mastic for PCBs at this time.	ND															
F35	Vinyl Floor Tile	12" Tile	12" x 12" blue with white markings		2	200A	183	sqft		throughout	5627																		
F36	Mastic	12" Tile Mastic	associated with F35	tan	2	1	183	sqft	2					ND															PCB Bulk Product
F36	Mastic	12" Tile Mastic	associated with F35	yellow	2	200A	183	sqft	2	throughout	5627				unpainted concrete, floor leveling agent	center section	one (1) sample collected. Floor leveling agent over residual black mastic (F112). Layers inseparable.	210119.F36.109-0543	480	210401.F36.133-1253 ND	210401.F36.133-1254 NA								
F36	Mastic	12" Tile Mastic	associated with F35	yellow	2	200A	183	sqft	2	throughout	5627				unpainted concrete, floor leveling agent	center section	one (1) sample collected. Floor leveling agent over residual black mastic (F112). Layers inseparable.	210119.F36.109-0544	131										
F37	Sink Undercoating	Sink Undercoat	double bay sink	beige	2	1	8	sqft	1				Limited quantity, asbestos.	6% Chrysotile															PCB Bulk Product
F37	Sink Undercoating	Sink Undercoat	double bay sink	beige	2	205	8	sqft	1		5636	1,300	Label in Photo "210110.F87.109-0124"		stainless steel sink	sink at west wall, north end	one (1) sample collected.	210119.F37.109-0524	220										
F38	Covebase	4" Covebase	4" black (newer)		Multiple	36	814	sqft	0				Only test mastic for PCBs at this time.	ND															
F38	Covebase	4" Covebase	4" black (newer)		1	102	18	sqft		throughout																			
F38	Covebase	4" Covebase	4" black (newer)		1	103 Auto shop	22	sqft		north wall and west wall north section		1,900																	
F38	Covebase	4" Covebase	4" black (newer)		1	103A Office	13	sqft		throughout																			
F38	Covebase	4" Covebase	4" black (newer)		1	103G Computer Rm	13	sqft		throughout																			
F38	Covebase	4" Covebase	4" black (newer)		2	200	28	sqft		throughout	5653																		
F38	Covebase	4" Covebase	4" black (newer)		2	200A	18	sqft		throughout																			
F38	Covebase	4" Covebase	4" black (newer)		2	200B	21	sqft		throughout																			
F38	Covebase	4" Covebase	4" black (newer)		2	200C	16	sqft		throughout																			
F38	Covebase	4" Covebase	4" black (newer)		2	200D	13	sqft		throughout																			
F38	Covebase	4" Covebase	4" black (newer)		2	200E	16	sqft		throughout																			
F38	Covebase	4" Covebase	4" black (newer)		2	202	36	sqft		throughout	5624																		
F38	Covebase	4" Covebase	4" black (newer)		2	204	34	sqft		throughout	5617																		
F38	Covebase	4" Covebase	4" black (newer)		2	206	36	sqft		throughout	5601																		
F38	Covebase	4" Covebase	4" black (newer)		2	214	38	sqft		throughout	5545																		
F38	Covebase	4" Covebase	4" black (newer)		3	300	42	sqft		throughout																			
F38	Covebase	4" Covebase	4" black (newer)		3	300A	12	sqft		throughout																			
F38	Covebase	4" Covebase	4" black (newer)		3	300B	12	sqft		throughout																			

Building F - Bulk and Substrate Material Sampling Summary

Homogeneous Material	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Total Air Sampling September 2020 Results (ng/m3)	Comments	Asbestos Results %	Substrate (Indicate if Painted or Unpainted)	Specific Sample Location	ATC Comments	Sample ID Number (Date - Hit - Photo ID #)	Total PCB Aroclor Concentration (ppm)	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ATC Comments	Proposed Waste Category	Legend
F38	Covebase	4" Covebase	4" black (newer)		3	300C	12	sqft		throughout																				
F38	Covebase	4" Covebase	4" black (newer)		3	300D	24	sqft		throughout																				
F38	Covebase	4" Covebase	4" black (newer)		3	300E	26	sqft		throughout																				
F38	Covebase	4" Covebase	4" black (newer)		3	300G	24	sqft		throughout																				
F38	Covebase	4" Covebase	4" black (newer)		3	300H	16	sqft		throughout																				
F38	Covebase	4" Covebase	4" black (newer)		3	303	30	sqft		throughout	5725																			
F38	Covebase	4" Covebase	4" black (newer)		3	303 Office	20	sqft		throughout																				
F38	Covebase	4" Covebase	4" black (newer)		3	304A	31	sqft		throughout	5759																			
F38	Covebase	4" Covebase	4" black (newer)		3	304B Office	16	sqft		throughout																				
F38	Covebase	4" Covebase	4" black (newer)		3	304C Storage	12	sqft		throughout																				
F38	Covebase	4" Covebase	4" black (newer)		3	306	16	sqft		throughout																				
F38	Covebase	4" Covebase	4" black (newer)		3	308	30	sqft		throughout	5781																			
F38	Covebase	4" Covebase	4" black (newer)		3	308 Office	9	sqft		throughout																				
F38	Covebase	4" Covebase	4" black (newer)		3	309	48	sqft		throughout	5753	760																		
F38	Covebase	4" Covebase	4" black (newer)		3	309B Office	14	sqft		throughout																				
F38	Covebase	4" Covebase	4" black (newer)		3	310	26	sqft		throughout		720, 640																		
F38	Covebase	4" Covebase	4" black (newer)		3	311	28	sqft		throughout																				
F38	Covebase	4" Covebase	4" black (newer)		3	312	30	sqft		throughout																				
F38	Covebase	4" Covebase	4" black (newer)		3	312A Office	12	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		Multiple	36	770	sqft	3					ND															TBD	
F39	Adhesive	4" Covebase Adhesive	associated with F38		1	102	18	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38	dark brown	1	103 Auto shop	22	sqft	1	north wall and west wall north section		1,900			painted gypsum wall board	west wall, north section	one (1) sample collected.	210125.F39.113-0714	180	210331.F39.113-1236 8.8 Aroclor-1254 [1]	210331.F39.132-1237 NA			210331.F39.132-1235 25 Aroclor-1254 [1]					
F39	Adhesive	4" Covebase Adhesive	associated with F38		1	103A Office	13	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		1	103C Computer Rm	13	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		2	200	28	sqft		throughout	5653																			
F39	Adhesive	4" Covebase Adhesive	associated with F38		2	200A	18	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		2	200B	21	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		2	200C	16	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		2	200D	13	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		2	200E	16	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		2	202	36	sqft		throughout	5624																			
F39	Adhesive	4" Covebase Adhesive	associated with F38		2	204	34	sqft		throughout	5617																			
F39	Adhesive	4" Covebase Adhesive	associated with F38		2	206	38	sqft		throughout	5601																			
F39	Adhesive	4" Covebase Adhesive	associated with F38		2	214	38	sqft		throughout	5545																			
F39	Adhesive	4" Covebase Adhesive	associated with F38		3	300	42	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		3	300A	12	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		3	300B	12	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		3	300C	12	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		3	300D	24	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		3	300E	26	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		3	300G	24	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		3	300H	16	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		3	303	30	sqft		throughout	5725																			
F39	Adhesive	4" Covebase Adhesive	associated with F38		3	303 Office	20	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		3	304A	31	sqft		throughout	5759																			
F39	Adhesive	4" Covebase Adhesive	associated with F38		3	304B Office	16	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		3	304C Storage	12	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		3	306	16	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		3	308	30	sqft		throughout	5871																			
F39	Adhesive	4" Covebase Adhesive	associated with F38		3	308 Office	9	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38	yellow	3	309	4	sqft	1	throughout	5753	760			painted CMU	east wall, center section	one (1) sample collected. Paint insaparable. yellow over residual dark brown adhesive. Layers insaparable.	210122.F39.112-0887	29											
F39	Adhesive	4" Covebase Adhesive	associated with F38		3	309B Office	14	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		3	310	26	sqft	1	throughout		720, 640			painted plaster	west wall, southernmost section	one (1) sample collected. 2 layers of yellow over residual dark brown adhesive.	210122.F39.112-0664	32											
F39	Adhesive	4" Covebase Adhesive	associated with F38		3	311	28	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		3	312	30	sqft		throughout																				
F39	Adhesive	4" Covebase Adhesive	associated with F38		3	312A Office	12	sqft		throughout																				
F40	Caulking Material	Counter Top Caulking	Residual, associated with counter top		2	1	10	sqft	2				asbestos	6% Chrysotile																PCB Bulk Product
F40	Caulking Material	Counter Top Caulking	Residual, associated with counter top		2	200A	10	lnft	1	south wall	5626				painted CMU	south wall, center section	one (1) sample collected. Paint insaparable.	210120.F40.110-0545	210							210401.F40.133-1251 5.8 Aroclor-1248 [1], Aroclor-1254 [1]	210401.F40.133-1252 NA			PCB Remedial Waste
F41	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 4' pocks and pinholes		2	200	342	sqft	3					ND																
F41	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 4' pocks and pinholes		2	200	342	sqft	1	throughout	5655				suspended metal grid	west section, outside Room F200C	one (1) sample collected. "...RADAB..." printed on backside. See Photo #100-0530	210119.F41.109-0529	12											
F41	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 4' pocks and pinholes		2	200C	132	sqft	1	throughout	5655				suspended metal grid	south center section	one (1) sample collected.	210119.F41.109-0542	7.4											
F41	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 4' pocks and pinholes		2	200D	95	sqft		throughout	5655																			
F41	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 4' pocks and pinholes		2	200E	132	sqft	1	throughout	5655		Label on Photo "210119.D41.109-0530"		suspended metal grid	southwest corner	one (1) sample collected. "...RADAB..." printed on backside. See Photo #109-0533	210119.F41.109-0535	8.7											
F42	Vinyl Floor Tile	12" Tile	12" x 12"-green and mauve streaks		2	5	883	sqft	0				Only test mastic for PCBs at this time.	ND Previous Sampling Prior to Apr. 2020 Report																
F42	Vinyl Floor Tile	12" Tile	12" x 12"-green and mauve streaks		2	200	342	sqft		throughout	5654																			
F42	Vinyl Floor Tile	12" Tile	12" x 12"-green and mauve streaks		2	200B	182	sqft		throughout	5654																			
F42	Vinyl Floor Tile	12" Tile	12" x 12"-green and mauve streaks		2	200C	132	sqft		under carpet throughout	5654																			
F42	Vinyl Floor Tile	12" Tile	12" x 12"-green and mauve streaks		2	200D	95	sqft		throughout	5654																			
F42	Vinyl Floor Tile	12" Tile	12" x 12"-green and mauve streaks		2	200E	132	sqft		throughout	5654																			
F43	Mastic	12" Tile Mastic	associated with F42		2	5	883	sqft	3					ND Previous Sampling Prior to Apr. 2020 Report																PCB Bulk Product
F43	Mastic	12" Tile Mastic	associated with F42		2	200	342	sqft	1	throughout	5654				painted concrete	center section, outside Room F200D	one (1) sample collected. Yellow-over paint over residual black mastic. Layers insaparable.	210119.F43.109-0527	35	210401.F43.133-1249 0.61 Aroclor-1254 [2]	210401.F43.133-1250 NA								
F43	Mastic	12" Tile Mastic	associated with F42		2	200B	182	sqft	1	throughout	5654				painted concrete, floor leveling agent	center section	one (1) sample collected. Yellow-over paint over leveling agent, over residual black mastic. Layers insaparable.	210119.F43.109-0538	23											
F43	Mastic	12" Tile Mastic	associated with F42		2	200C	132	sqft		under carpet throughout	5654																			
F43	Mastic	12" Tile Mastic	associated with F42		2	200D	95	sqft		throughout	5654																			
F43	Mastic	12" Tile Mastic	associated with F42		2	200E	132	sqft	1	throughout	5654				painted concrete	west center section	one (1) sample collected. Yellow-over paint, over residual black mastic. Layers insaparable.	210119.F43.109-0532	17											
F44	Sink Undercoating	Sink Undercoat	single bay	gray	Multiple	4	16	sqft	1					15% Chrysotile																PCB Bulk Product
F44	Sink Undercoating	Sink Undercoat	single bay	gray	2	200	4	sqft		at north wall	5651																			
F44	Sink Undercoating	Sink Undercoat	single bay	gray	2	205	4	sqft	1			1,300			stainless steel sink	sink at west wall, south end	one (1) sample collected.	210119.F44.109-0516	330											
F44	Sink Undercoating	Sink Undercoat	single bay	gray	3	301	4	sqft		at west wall																				
F44	Sink Undercoating	Sink Undercoat	single bay	gray	3	303 Office	4	sqft			5722																			
F45	Grout	4" Tile	associated with ceramic wall tile 4" green	white	Multiple	2	234	sqft	0				Not mastic	ND																-
F45	Grout	4" Tile	associated with ceramic wall tile 4" green	white	1	103 Auto shop	42	sqft		east wall, south section	5818	1,900																		-
F45	Grout	4" Tile	associated with ceramic wall tile 4" green	white	2	200	192	sqft		north wall	5651																			-
F46	Adhesive	4" Tile Adhesive	associated with F45		Multiple	2	426	sqft	3					ND																PCB Bulk Product
F46	Adhesive	4" Tile Adhesive	associated with F45	yellow	1	103 Auto shop	42	sqft	1	east wall, south section	5818	1,900			unpainted CMU	east wall, south section	one (1) sample collected.	210125.F46.113-0715	120							210331.F46.132-1233 ND	210331.F46.132-1234 NA			
F46	Adhesive	4" Tile Adhesive	associated with F45		2	200	192	sqft	2	north wall	5651				unpainted plaster skim coat	east of north door west of north door	two (2) samples collected.	210119.F46.109-0531	38											
F46	Adhesive	4" Tile Adhesive	associated with F45		2	200	192	sqft	2	north wall	5651				unpainted plaster skim coat	east of north door west of north door	two (2) samples collected.	210119.F46.109-0541	62											
F47	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 1		2	3		sqft	0				TBD	ND																
F47	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 1		2	200C	-																							
F47	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 1		2	200D	-																							
F47	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 1		2	200E	-																							
F48	Joint Compound	Joint Compound	Newer, Type 1		2	3		sqft	0				TBD	ND																
F48	Joint Compound	Joint Compound	Newer, Type 1		2	200C	-																							
F48	Joint Compound	Joint Compound	Newer, Type 1		2	200D	-																							
F48	Joint Compound	Joint Compound	Newer, Type 1		2	200E	-																							
F50	Vinyl Floor Tile	12" Tile	12" x 12" white with grey yellow & green		2	1	45	sqft	0				Only test mastic for PCBs at this time.	Nb																
F50	Vinyl Floor Tile	12" Tile	12" x 12" white with grey yellow & green		2	200B	45	sqft		patch	5658																			
F51	Mastic	12" Tile Mastic	associated with F50		2	1	45	sqft	2					Nd																PCB Bulk Product
F51	Mastic	12" Tile Mastic	associated with F50		2	200B	45	sqft	2	patch	5658				painted concrete	southeast section	two (2) samples collected. yellow-over paint, over residual black mastic. Layers insaparable.	210119.F51.109-0536	380											
F51	Mastic	12" Tile Mastic	associated with F50		2	200B	45	sqft	2	patch	5658				painted concrete	southeast section	two (2) samples collected. yellow-over paint, over residual black mastic. Layers insaparable.	210119.F51.109-0540	760	210401.F51.133-1255 0.70 Aroclor-1254 [2]	210401.F51.133-1256 NA								
F52	Sink Undercoating	Sink Undercoat	single bay	tan	3	1	3	sqft	1					Nd																Potentially Excluded PCB Product
F52	Sink Undercoating	Sink Undercoat	single bay	tan	3	304	3		1	east wall	5734	400			stainless steel single-bay sink	south sink at east wall	one (1) sample collected.	210121.F52.111-0831	30											
F53	Sink Undercoating	Sink Undercoat	kid sink	tan	3	1	4	sqft	1					ND																PCB Bulk Product
F53	Sink Undercoating	Sink Undercoat	kid sink	tan	3	312	4	sqft	1		5801				steel single-bay sink	sink at south wall, east section	one (1) sample collected.	210122.F53.112-0670	470											
F54	Sink Undercoating	Sink Undercoat	single bay sink	gray	3	1	3	sqft	1					ND																PCB Bulk Product
F54	Sink Undercoating	Sink Undercoat	single bay sink	gray	3	301	3	sqft	1	at west wall	5705				stainless steel single-bay sink	underside of sink at west wall, north section	one (1) sample collected.	210121.F54.111-0807	620											

Building F - Bulk and Substrate Material Sampling Summary

Homogeneous Material	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m3)	Comments	Asbestos Results %	Substrate (Indicate if Painted or Unpainted)	Specific Sample Location	ATC Comments	Sample ID Number (Date_H#_Photo ID #)	Total PCB Aroclor Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ATC Comments	Proposed Waste Category	Legend
F56	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 4' fissures same direction and pinholes		2	1	80	sqft	2					ND															PCB Remedial Waste	
F56	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 4' fissures same direction and pinholes		2	205	80	sqft	2		5639	1,300			suspended metal grid	north center section	two (1) samples collected. See Photo #109-0513 for backside of suspended ceiling tile	210119.F56.109-0514	84											
F56	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 4' fissures same direction and pinholes		2	205	80	sqft	2		5639	1,300			suspended metal grid	north center section	two (1) samples collected. See Photo #109-0513 for backside of suspended ceiling tile	210119.F56.109-0515	86											
F57	Sink Undercoating	Sink Undercoat	double bay sink	white	3	2	16	sqft	1					ND															PCB Bulk Product	
F57	Sink Undercoating	Sink Undercoat	double bay sink	white	3	300	8	sqft			5678																			
F57	Sink Undercoating	Sink Undercoat	double bay sink	white	3	310	8	sqft	1		5787	720, 640			stainelss steel double bay sink	sink at east center section	one (1) sample collected.	210122.F57.112-0667	280											
F58	Vinyl Floor Tile	12" Tile	12" x 12" shades of cream mottled		2	1	98	sqft	0				Only test mastic for PCBs at this time.	ND																
F58	Vinyl Floor Tile	12" Tile	12" x 12" shades of cream mottled		2	205	98	sqft			5640	1,300																		
F59	Mastic	12" Tile Mastic	associated with F58		2	1	98	sqft	2					ND															PCB Bulk Product	
F59	Mastic	12" Tile Mastic	associated with F58		2	205	98	sqft	2		5640	1,300			unpainted concrete	center section east center section	two (2) samples collected. Sample # 210119.F59.109-0517 is yellow over residual black mastic	210119.F59.109-0517	160	210401.F59.133-1261 1.0 Aroclor-1254 [2]	210401.F59.133-1262 NA									
F59	Mastic	12" Tile Mastic	associated with F58		2	205	98	sqft	2		5640	1,300			unpainted concrete	center section east center section	two (2) samples collected. Sample # 210119.F59.109-0517 is yellow over residual black mastic	210119.F59.109-0519	130											
F60	Vinyl Floor Tile	12" Tile	12" x 12" tan with gray and rust streaks		Multiple	3	451	sqft	0				Only test mastic for PCBs at this time, asbestos.	3% Chrysotile																
F60	Vinyl Floor Tile	12" Tile	12" x 12" tan with gray and rust streaks		1	102	235	sqft		throughout, under carpet																				
F60	Vinyl Floor Tile	12" Tile	12" x 12" tan with gray and rust streaks		3	Hallway	66	sqft		north end																				
F60	Vinyl Floor Tile	12" Tile	12" x 12" tan with gray and rust streaks		-	South Stairwell	150	sqft		1st floor only, under carpet																				
F61	Mastic	12" Tile Mastic	associated with F60		Multiple	3	451	sqft	3					ND															PCB Bulk Product	
F61	Mastic	12" Tile Mastic	associated with F60	black	1	102	235	sqft	1	throughout, under carpet					unpainted concrete	northwest section, outside elevator under carpet	one(1) sample collected.	210120.F61.110-0579	200											
F61	Mastic	12" Tile Mastic	associated with F60	black	1	102	235	sqft	DUP	throughout, under carpet					unpainted concrete	northwest section, outside elevator under carpet	one (1) duplicate sample collected.	210120.F61.110-0581	270											
F61	Mastic	12" Tile Mastic	associated with F60		3	Hallway	66	sqft	1	north end					unpainted concrete	center section	one (1) sample collected.	210122.F61.112-0679	210											
F61	Mastic	12" Tile Mastic	associated with F60		3	Hallway	66	sqft	DUP	north end					unpainted concrete	center section	one (1) duplicate sample collected.	210122.F61.112-0680	200											
F61	Mastic	12" Tile Mastic	associated with F60		-	South Stairwell	150	sqft	1	1st floor only, under carpet					unpainted concrete	first floor, under carpet	one (1) sample collected.	210120.F61.110-0578	900	210331.F61.132-1242 ND	210331.F61.132-1243 NA									
F62	Covebase	4" Covebase	4" dark brown		2	1	38	sqft	0				Only test mastic for PCBs at this time.	ND																
F62	Covebase	4" Covebase	4" dark brown		2	205	38	sqft			5637	1,300																		
F63	Adhesive	4" Covebase Adhesive	associated with F62		2	1	38	sqft	2					ND															PCB Bulk Product	
F63	Adhesive	4" Covebase Adhesive	associated with F62		2	205	38	sqft	2		5637	1,300			painted plaster	north wall, west section east wall, center section	two (2) samples collected. brown over tan adhesive. Layers inseparable.	210119.F63.109-0520	51											
F63	Adhesive	4" Covebase Adhesive	associated with F62		2	205	38	sqft	2		5637	1,300			painted plaster	north wall, west section east wall, center section	two (2) samples collected. brown over tan adhesive. Layers inseparable.	210119.F63.109-0525	420			210401.F63.133-1267 14 Aroclor-1254 [1]	210401.F63.133-1268 NA	210401.F63.133-1265 3.1 Aroclor-1248 [1], Aroclor-1254 [1]	210401.F63.133-1266 NA					
F64	Fire Stop Caulk	Fire Stop Caulk	Fire Stop Caulk	red	Multiple	3		sqft	0				Post 1980	ND																
F64	Fire Stop Caulk	Fire Stop Caulk	Fire Stop Caulk	red	2	207A Electrical Room	-																							
F64	Fire Stop Caulk	Fire Stop Caulk	Fire Stop Caulk	red	3	307	-																							
F64	Fire Stop Caulk	Fire Stop Caulk	Fire Stop Caulk	red	3	307A	-																							
F65	Stair Tread Material	Stair Tread Material	black with white streaks		3	1	40	sqft	0					ND																
F65	Stair Tread Material	Stair Tread Material	black with white streaks		3	Hallway	40	sqft		stairs to Bldg. D																				
F66	Adhesive	Stair Tread Adhesive	associated with F65		3	1	40	sqft	2					ND															Potentially Excluded PCB Product	
F66	Adhesive	Stair Tread Adhesive	associated with F65		3	Hallway	40	sqft	2	stairs to Bldg. D					unpainted concrete	2nd tread down, below top landing	two (2) samples collected.	210122.F66.112-0697	18											
F66	Adhesive	Stair Tread Adhesive	associated with F65		3	Hallway	40	sqft	2	stairs to Bldg. D					unpainted concrete	2nd tread down, below top landing	two (2) samples collected.	210122.F66.112-0698	48	210402.F66.134-1301 ND	210402.F66.134-1302 NA									
F67	Grout	Grout associated with 1"x2" Tile	associated with ceramic wall tile 1" x 2" orange		Multiple	3	108	sqft	0				Not mastic	ND																
F67	Grout	Grout associated with 1"x2" Tile	associated with ceramic wall tile 1" x 2" orange		2	Hallway	36	sqft		at water fountain	5648																			
F67	Grout	Grout associated with 1"x2" Tile	associated with ceramic wall tile 1" x 2" orange		2	Hallway to Rm. 214	36	sqft		at water fountain	5578																			
F67	Grout	Grout associated with 1"x2" Tile	associated with ceramic wall tile 1" x 2" orange		3	Hallway	36	sqft		at water fountain	5648																			
F68	Adhesive	Adhesive associated with grout associated with 1"x2" Tile Adhesive	associated with F67		Multiple	3	108	sqft	3					ND															PCB Bulk Product	
F68	Adhesive	Adhesive associated with grout associated with 1"x2" Tile Adhesive	associated with F67	Brown	2	Hallway	36	sqft	1	at water fountain	5648				unpainted scratch coat/leveler coating	west wall, south end at water fountain	one (1) sample collected.	210120.F68.110-0596	580											
F68	Adhesive	Adhesive associated with grout associated with 1"x2" Tile Adhesive	associated with F67	Brown	2	Hallway to Rm. 214	36	sqft	1	at water fountain	5578				unpainted CMU	west wall center water fountain	one (1) sample collected.	210120.F68.110-0572	1500									No Sample Material over F68.1 (Ahesive)		
F68	Adhesive	Adhesive associated with grout associated with 1"x2" Tile Adhesive	associated with F67	Brown	3	Hallway	36	sqft	1	at water fountain	5648				unpainted scratch coat	north end of hall, west wall at water fountain	one (1) sample collected.	210122.F68.112-0696	710											
F68.1	Adhesive	1"x2" Tile Adhesive	associated with F67		1	1	36	sqft	-					ND															PCB Bulk Product	
F68.1	Adhesive	1"x2" Tile Adhesive	associated with F67	Yellow	2	Hallway to Rm. 214	36	sqft	-	at water fountain	5578		Analytical Report "210120.F68.110-0573"		unpainted CMU	west wall center water fountain	one (1) sample collected.	210120.F68.1.110-0573	930							210401.F68.1.133-1271 7.32 Aroclor-1248 [1], Aroclor-1254 [1], Aroclor-1260 [2]	210401.F68.1.133-1272 NA			
F69	Carpet Mastic	Carpet Mastic	with shades of gray with horizontal lines carpet		3	2	1313	sqft	3					ND															PCB Bulk Product	
F69	Carpet Mastic	Carpet Mastic	with shades of gray with horizontal lines carpet		3	309	1188	sqft	2	throughout	5754	760	Label in Photo "210122.F69.111-0685"		unpainted concrete	center section north center section	two (2) samples collected.	210122.F69.112-0685	120											
F69	Carpet Mastic	Carpet Mastic	with shades of gray with horizontal lines carpet		3	309	1188	sqft	2	throughout	5754	760	Label in Photo "210122.F69.111-0686"		unpainted concrete	center section north center section	two (2) samples collected.	210122.F69.112-0686	250											
F69	Carpet Mastic	Carpet Mastic	with shades of gray with horizontal lines carpet		3	309	1188	sqft	DUP	throughout	5754	760			unpainted concrete	north center section	one (1) duplicate sample collected.	210122.F69.112-0690	81											
F69	Carpet Mastic	Carpet Mastic	with shades of gray with horizontal lines carpet		3	309B Office	125	sqft	1	throughout	5754		(Label in Photo "210122.F69.111-0684")		unpainted concrete	center section	one (1) sample collected.	210122.F69.112-0684	390	210406.F69.135-1309 11 Aroclor-1254 [2]	210406.F69.135-1310 1.1 Aroclor-1254 [1]									
F70	Vinyl Floor Tile	12" Tile	12" x 12" shades of blue and purple		3	1	325	sqft	0				Only test mastic for PCBs at this time.	ND															-	
F70	Vinyl Floor Tile	12" Tile	12" x 12" shades of blue and purple		3	311	325	sqft		throughout	5758																		-	
F71	Mastic	12" Tile Mastic	associated with F70		3	1	325	sqft	3					ND															PCB Bulk Product	
F71	Mastic	12" Tile Mastic	associated with F70		3	311	325	sqft	3	throughout	5758				unpainted concrete	east center section	three (3) samples collected.	210122.F71.112-0683	510	210406.F71.135-1311 4.2 Aroclor-1254 [2]	210406.F69.135-1312 0.13 Aroclor-1254 [2]									
F71	Mastic	12" Tile Mastic	associated with F70		3	311	325	sqft	3	throughout	5758				unpainted concrete	east center section	three (3) samples collected.	210122.F71.112-0693	430											
F71	Mastic	12" Tile Mastic	associated with F70		3	311	325	sqft	3	throughout	5758				unpainted concrete	east center section	three (3) samples collected.	210122.F71.112-0694	340											
F72	Vinyl Floor Tile	12" Tile	12" x 12" dark gray with white streaks		3	2	1038	sqft	0				Only test mastic for PCBs at this time, asbestos.	5% Chrysotile																
F72	Vinyl Floor Tile	12" Tile	12" x 12" dark gray with white streaks		3	315	628	sqft		throughout	5768																			
F72	Vinyl Floor Tile	12" Tile	12" x 12" dark gray with white streaks		3	317	410	sqft		throughout	5768																			
F73	Mastic	12" Tile Mastic	associated with F72		3	2	1038	sqft	3					ND															PCB Bulk Product	
F73	Mastic	12" Tile Mastic	associated with F72		3	315	628	sqft	2	throughout	5769				unpainted metal, floating floor panel	south center section	two (2) samples collected.	210121.F73.111-0656	108											
F73	Mastic	12" Tile Mastic	associated with F72		3	315	628	sqft	2	throughout	5769				unpainted metal, floating floor panel	south center section	two (2) samples collected.	210122.F73.112-0681	195											
F73	Mastic	12" Tile Mastic	associated with F72		3	317	410	sqft	1	throughout	5769				unpainted metal, floating floor panel	west center section	one (1) sample collected.	210121.F73.111-0655	129											
F74	Vinyl Floor Tile	12" Tile	12" x 12" shades of green mottled		3	1	562	sqft	0				Only test mastic for PCBs at this time.	ND																
F74	Vinyl Floor Tile	12" Tile	12" x 12" shades of green mottled		3	312	562	sqft		throughout & under carpet	5799																			
F75	Mastic	12" Tile Mastic	associated with F74		3	1	562	sqft	2					ND															PCB Bulk Product	
F75	Mastic	12" Tile Mastic	associated with F74		3	312	562	sqft	2	throughout & under carpet	5799				unpainted concrete	south center	two (2) samples collected. Yellow over residual black mastic.	210122.F75.112-0671	330	210406.F75.135-1319 8.2 Aroclor-1254 [2]	210406.F75.135-1320 0.30 Aroclor-1254 [1]							Collected at S/W sec. b/c electrical hazard identified		
F75	Mastic	12" Tile Mastic	associated with F74		3	312	562	sqft	2	throughout & under carpet	5799				unpainted concrete	south center	two (2) samples collected. Yellow over residual black mastic.	210122.F75.112-0672	290											
F76	Carpet Mastic	Carpet Mastic	green with red & tan carpet		3	2	368	sqft	3					ND															PCB Bulk Product	
F76	Carpet Mastic	Carpet Mastic	green with red & tan carpet	yellow	3	312	281	sqft	2	center section	5800				unpainted concrete	near east wall, center section	two (2) samples collected.	210122.F76.112-0673	630											
F76	Carpet Mastic	Carpet Mastic	green with red & tan carpet	yellow	3	312	281	sqft	2	center section	5800				unpainted concrete	near east wall, center section	two (2) samples collected.	210122.F76.112-0674	710											
F76	Carpet Mastic	Carpet Mastic	green with red & tan carpet		3	312A Office	87	sqft	1	throughout	5800				unpainted concrete	southwest corner	one (1) sample collected.	210122.F76.112-0676	1600	210406.F79.135-1321 2.6 Aroclor-1254 [1]	210406.F76.135-1322 0.15 Aroclor-1254 [1]									
F77	Vinyl Floor Tile	9" Tile	9" x 9" tan/orange/brown/white streaks		3	3	517	sqft	0				Only test mastic for PCBs at this time, asbestos.	ACM >1% Previous Sampling Prior to Apr. 2020 Report																
F77	Vinyl Floor Tile	9" Tile	9" x 9" tan/orange/brown/white streaks		3	308B Storage	48	sqft		throughout	5788																			
F77	Vinyl Floor Tile	9" Tile	9" x 9" tan/orange/brown/white streaks		3	310	347	sqft		north and center section	5788	720, 640																		
F77	Vinyl Floor Tile	9" Tile	9" x 9" tan/orange/brown/white streaks		3	312B Storage	122	sqft		throughout	5788																			
F78	Mastic	9" Tile Mastic	associated with F77		3	3	517	sqft	3					ND															PCB Bulk Product	
F78	Mastic	9" Tile Mastic	associated with F77	black	3	308B Storage	48	sqft	1	throughout	5788				unpainted concrete	center section	one (1) sample collected.	210122.F78.112-0662	5500											
F78	Mastic	9" Tile Mastic	associated with F77	black	3	310	347	sqft	1	north and center section	5788	720, 640			unpainted concrete	north center section	one (1) sample collected.	210122.F78.112-0668	6700	210406.F78.135-1317 3.2 Aroclor-1254 [2]	210406.F78.135-1318 0.30 Aroclor-1254 [1]									
F78	Mastic	9" Tile Mastic	associated with F77		3	312B Storage	122	sqft	1	throughout	5788				unpainted concrete	center section	one (1) sample collected.	210122.F78.112-0678	1900											
F79	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		Multiple	16		sqft	0				TBD	ND																
F79	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		2	204	-																							
F79	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		2	206	-																							
F79	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		2	214	-																							
F79	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		3	302	-																							
F79	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		3	303	-																							
F79	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		3	303 Office	-																							
F79	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		3	304	-					400																		
F79	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		3	304 Office	-																							
F79	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		3	306	-																							
F79	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		3	308	-																							
F79	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		3	308 Office	-																							
F79	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		3	309	-					760																		
F79	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		3	309B Office	-																							
F79	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		3	311	-																							
F79	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		3	315	-																							
F79	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 2		3	317	-																							
F80	Joint Compound	Joint Compound	Newer, Type 2		Multiple	16		sqft	0				TBD	ND																
F80	Joint Compound	Joint Compound	Newer, Type 2		2	204	-																							
F80	Joint Compound	Joint Compound	Newer, Type 2		2	206	-																							
F80	Joint Compound	Joint Compound	Newer, Type 2		2	214	-																							
F80	Joint Compound	Joint Compound	Newer, Type 2		3	302	-																							
F80	Joint Compound	Joint Compound	Newer, Type 2		3	303	-																							

Building F - Bulk and Substrate Material Sampling Summary

Homogeneous Material	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Initial Air Sampling September 2020 Results (ng/m3)	Comments	Asbestos Results %	Substrate (Indicate if Painted or Unpainted)	Specific Sample Location	ATC Comments	Sample ID Number (Date . H# . Photo ID #)	Total PCB Aroclor Results (ppm)	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ATC Comments	Proposed Waste Category	Legend
F80	Joint Compound	Joint Compound	Newer, Type 2		3	303 Office	-																							
F80	Joint Compound	Joint Compound	Newer, Type 2		3	304	-					400																		
F80	Joint Compound	Joint Compound	Newer, Type 2		3	304 Office	-																							
F80	Joint Compound	Joint Compound	Newer, Type 2		3	306	-																							
F80	Joint Compound	Joint Compound	Newer, Type 2		3	308	-																							
F80	Joint Compound	Joint Compound	Newer, Type 2		3	308 Office	-																							
F80	Joint Compound	Joint Compound	Newer, Type 2		3	309	-					760																		
F80	Joint Compound	Joint Compound	Newer, Type 2		3	309B Office	-																							
F80	Joint Compound	Joint Compound	Newer, Type 2		3	311	-																							
F80	Joint Compound	Joint Compound	Newer, Type 2		3	315	-																							
F80	Joint Compound	Joint Compound	Newer, Type 2		3	317	-																							
F82	Vinyl Floor Tile	24" Tile	24" x 24" gray with gray/black/white specks		3	1	550	sqft	0				Only test mastic for PCBs at this time.	ND																
F82	Vinyl Floor Tile	24" Tile	24" x 24" gray with gray/black/white specks		3	308	550	sqft			5782																			
F83	Mastic	24" Tile Mastic	associated with F82		3	1	550	sqft	2					ND															PCB Bulk Product	
F83	Mastic	24" Tile Mastic	associated with F82	black	3	308	550	sqft	2		5782				unpainted concrete	southwest section	two (2) samples collected.	210121.F83.111-0653	950											
F83	Mastic	24" Tile Mastic	associated with F82	black	3	308	550	sqft	2		5782				unpainted concrete	southwest section	two (2) samples collected.	210121.F83.111-0654	1600	210406.F83.135-1313 7.0 Aroclor-1254 [2]	210406.F83.135-1314 0.53 Aroclor-1254 [2]									
F84	Vinyl Floor Tile	9" Tile	9" x 9" green with blue and white streaks		3	6	2234	sqft	0				Asbestos	ACM >1% Previous Sampling Prior to Apr. 2020 Report																
F84	Vinyl Floor Tile	9" Tile	9" x 9" green with blue and white streaks		3	302	452	sqft		throughout	5711																			
F84	Vinyl Floor Tile	9" Tile	9" x 9" green with blue and white streaks		3	304	888			throughout	5711	400																		
F84	Vinyl Floor Tile	9" Tile	9" x 9" green with blue and white streaks		3	304 Office	124	sqft		throughout	5711																			
F84	Vinyl Floor Tile	9" Tile	9" x 9" green with blue and white streaks		3	304A	552	sqft		under carpet throughout	5711																			
F84	Vinyl Floor Tile	9" Tile	9" x 9" green with blue and white streaks		3	304B Office	138	sqft		throughout	5711						VOID - no 9x9 under carpet	VOID												
F84	Vinyl Floor Tile	9" Tile	9" x 9" green with blue and white streaks		3	304C Storage	80	sqft		throughout	5711																			
F85	Mastic	9" Tile Mastic	associated with F84		3	6	2234	sqft	3				Asbestos	ACM >1% Previous Sampling Prior to Apr. 2020 Report															PCB Bulk Product	
F85	Mastic	9" Tile Mastic	associated with F84		3	302	452	sqft	1	throughout	5711				unpainted concrete	west wall, center section	one (1) sample collected.	210121.F85.111-0621	8100											
F85	Mastic	9" Tile Mastic	associated with F84		3	302	452	sqft	DUP	throughout	5711				unpainted concrete	west wall, center section	one (1) duplicate sample collected.	210121.F85.111-0622	7200											
F85	Mastic	9" Tile Mastic	associated with F84		3	304	888		1	throughout	5711	400			unpainted concrete	north center section	one (1) sample collected.	210121.F85.111-0632	30000	210402.F85.134-1291 2.2 Aroclor-1254 [1]	210402.F85.135-1292 NA									
F85	Mastic	9" Tile Mastic	associated with F84		3	304 Office	124	sqft	-	throughout	5711				unpainted concrete	northeast corner	one (1) sample collected. under carpet (F34) taken in Room F304A, because not	210121.F85.111-0638	4800											
F85	Mastic	9" Tile Mastic	associated with F84		3	304A	552	sqft		under carpet throughout	5711																			
F85	Mastic	9" Tile Mastic	associated with F84		3	304B Office	138	sqft	1	throughout	5711						VOID - no 9x9 under carpet. sample collected in Room F304A.	VOID												
F85	Mastic	9" Tile Mastic	associated with F84		3	304C Storage	80	sqft		throughout	5711																			
F86	Sink Undercoating	Sink Undercoat	single bay	gray	3	1	4	sqft	1					ND															PCB Bulk Product	
F86	Sink Undercoating	Sink Undercoat	single bay	white	3	304A	4	sqft	1		5740				stainless steel single bay sink	underside of sink at west wall	one (1) sample collected.	210121.F86.111-0637	2200											
F88	Duct Seam Sealant	Duct Seam Sealant	associated with metal ductwork	black	3	1	6	sqft	3					ND															PCB Bulk Product	
F88	Duct Seam Sealant	Duct Seam Sealant	associated with metal ductwork	black	3	301	6	sqft	3	at east wall	5702				unpainted metal duct	ductwork at east wall, north section	three (3) samples collected.	210121.F88.111-0608	20											
F88	Duct Seam Sealant	Duct Seam Sealant	associated with metal ductwork	black	3	301	6	sqft	3	at east wall	5702				unpainted metal duct	ductwork at east wall, north section	three (3) samples collected.	210121.F88.111-0609	61											
F88	Duct Seam Sealant	Duct Seam Sealant	associated with metal ductwork	black	3	301	6	sqft	3	at east wall	5702				unpainted metal duct	ductwork at east wall, north section	three (3) samples collected.	210121.F88.111-0610	30											
F89	Carpet Mastic	Carpet Mastic	with purple/blue/white carpet		3	1	329	sqft	3					ND															PCB Bulk Product	
F89	Carpet Mastic	Carpet Mastic	with purple/blue/white carpet	yellow	3	303 Office	329	sqft	3	throughout	5721				unpainted concrete	southwest corner	three (3) samples collected.	210121.F89.111-0625	800											
F89	Carpet Mastic	Carpet Mastic	with purple/blue/white carpet	yellow	3	303 Office	329	sqft	3	throughout	5721				unpainted concrete	southwest corner	three (3) samples collected.	210121.F89.111-0626	980											
F89	Carpet Mastic	Carpet Mastic	with purple/blue/white carpet	yellow	3	303 Office	329	sqft	3	throughout	5721				unpainted concrete	southwest corner	three (3) samples collected.	210121.F89.111-0627	2000	210402.F89.134-1277 1.8 Aroclor-1254 [1]	210402.F89.134-1278 NA									
F90	Adhesive	1"x2" Wood Trim Adhesive	associated with 1" x 2" wood trim		Multiple	2	124	sqft	3					30% Chrysotile															PCB Bulk Product	
F90	Adhesive	1"x2" Wood Trim Adhesive	associated with 1" x 2" wood trim		2	210C	94	lnft	2		5569						VOID - no adhesive observed	VOID - See Photo #110-0563												
F90	Adhesive	1"x2" Wood Trim Adhesive	associated with 1" x 2" wood trim	dark brown	3	307	15	sqft	1	south and east walls	5747				painted plaster painted CMU	south wall, center section east wall, south section	two (2) samples collected, because material not observed in Room F210C.	210121.F90.111-0642	4300			210402.F90.134-1297 Analytical Report "210402.F90.134-1287" 15 Aroclor-1254 [1]	210402.F90.134-1298 NA							
F90	Adhesive	1"x2" Wood Trim Adhesive	associated with 1" x 2" wood trim	dark brown	3	307	15	sqft	1	south and east walls	5747				painted plaster painted CMU	south wall, center section east wall, south section	two (2) samples collected, because material not observed in Room F210C.	210121.F90.111-0643	3100							210402.F90.134-1299 11 Aroclor-1254 [1]	210402.F90.134-1300 NA			
F91	Grout	1"x2" Tile	associated with ceramic wall tile 1" x 2" gray		-	1	1228	sqft	0				Not mastic	ND															-	
F91	Grout	1"x2" Tile	associated with ceramic wall tile 1" x 2" gray		-	South Stairwell	1228	sqft		throughout	5810																		-	
F92	Adhesive	1"x2" Tile Adhesive	associated with F91		-	1	1228	sqft	2					ND															PCB Bulk Product	
F92	Adhesive	1"x2" Tile Adhesive	associated with F91	brown	-	South Stairwell	1228	sqft	2	throughout	5810				painted plaster over yellow adhesive (F92.1)	2nd middle landing above 1st floor east wall south end 2nd level north wall west end	two (2) samples collected.	210120.F92.110-0589	340			210331.F92.132-1244 9.8 Aroclor-1254 [1]	-							
F92	Adhesive	1"x2" Tile Adhesive	associated with F91	brown	-	South Stairwell	1228	sqft	2	throughout	5810				painted plaster over yellow adhesive (F92.1)	2nd middle landing above 1st floor east wall south end 2nd level north wall west end	two (2) samples collected.	210120.F92.110-0591	240											
F92.1	Adeshive	1"x2" Tile Adhesive	associated with F91		-	1	1228	sqft	-					ND															PCB Bulk Product	
F92.1	Adhesive	1"x2" Tile Adhesive	associated with F91	yellow	-	South Stairwell	1228	sqft	-	throughout	5810				painted plaster	2nd middle landing above 1st floor east wall south end 2nd level north wall west end	two (2) samples collected.	210120.F92.1.110-0590	26											
F92.1	Adhesive	1"x2" Tile Adhesive	associated with F91	yellow	-	South Stairwell	1228	sqft	-	throughout	5810				painted plaster	2nd middle landing above 1st floor east wall south end 2nd level north wall west end	two (2) samples collected.	210120.F92.1.110-0592	50											
F92.1	Adhesive	1"x2" Tile Adhesive	associated with F91	yellow	-	South Stairwell	1228	sqft	DUP	throughout	5810				painted plaster	2nd level north wall west end	one (1) duplicate sample collected.	210120.F92.1.110-0593	47			210401.F92.1.133-1247 12 Aroclor-1254 [1]	-	-	210401.F92.1.133-1248 NA			GWB behind plaster		
F93	Stair Tread Material	Stair Tread Material	red with raised circles		-	1	325	sqft	0				Only test mastic for PCBs at this time.	ND															-	
F93	Stair Tread Material	Stair Tread Material	red with raised circles		-	South Stairwell	325	sqft		throughout	5809																		-	
F94	Mastic	Stair Tread Mastic	associated with F93		-	1	325	sqft	2					ND															Potentially Excluded PCB Product	
F94	Mastic	Stair Tread Mastic	associated with F93		-	South Stairwell	325	sqft	2	throughout	5809				unpainted concrete	1st below middle landing 1st floor 2nd level 2nd tread down	two (2) samples collected. Sample #210120.F94.110-0586 leveling agent (red) inseparable.	210120.F94.110-0586	19											
F94	Mastic	Stair Tread Mastic	associated with F93		-	South Stairwell	325	sqft	2	throughout	5809				unpainted concrete	1st below middle landing 1st floor 2nd level 2nd tread down	two (2) samples collected. Sample #210120.F94.110-0586 leveling agent (red) inseparable.	210120.F94.110-0594	35	210331.F94.132-1245 ND	210331.F94.132-1246 NA									
F95	Vinyl Floor Tile	9" Tile	9" x 9" red with white streaks		-	1	234	sqft	0				Only test mastic for PCBs at this time, asbestos.	ACM >1% Previous Sampling Prior to Apr. 2020 Report																
F95	Vinyl Floor Tile	9" Tile	9" x 9" red with white streaks		-	South Stairwell	234	sqft		at mid landings	5813																			
F96	Mastic	9" Tile Mastic	associated with F95		-	1	234	sqft	2					ND															Potentially Excluded PCB Product	
F96	Mastic	9" Tile Mastic	associated with F95		-	South Stairwell	234	sqft	2	at mid landings	5813				unpainted concrete	1st middle landing above 1st floor, northwest corner	two (2) samples collected.	210120.F96.110-0587	42	210331.F96.132-1240 ND	210331.F96.132-1241 NA									
F96	Mastic	9" Tile Mastic	associated with F95		-	South Stairwell	234	sqft	2	at mid landings	5813				unpainted concrete	2nd middle landing above 1st floor, northeast corner	two (2) samples collected.	210120.F96.110-0588	6.2											
F97	Carpet Mastic	Carpet Mastic	with dark blue carpet squares		-	2	385	sqft	3					ND															Potentially Excluded PCB Product	
F97	Carpet Mastic	Carpet Mastic	with dark blue carpet squares	yellow	1	102	235	sqft	2	throughout	5811				Vinyl Floor Tile (F60)	northwest section in front of elevator	two (2) sample collected.	210120.F97.110-0582	19											
F97	Carpet Mastic	Carpet Mastic	with dark blue carpet squares	yellow	1	102	235	sqft	2	throughout	5811				Vinyl Floor Tile (F60)	northwest section in front of elevator	two (2) sample collected.	210125.F97.113-0709	34											
F97	Carpet Mastic	Carpet Mastic	with dark blue carpet squares		-	South Stairwell	150	sqft	1	1st floor only	5811				Vinyl Floor Tile (F60)	near north wall, center section	one (1) sample collected.	210120.F97.110-0583	30											
F98	Covebase	4" Covebase	4" beige		-	1	8	sqft	0				Only test mastic for PCBs at this time.	ND															-	
F98	Covebase	4" Covebase	4" beige		-	South Stairwell	8	sqft		1st level only																			-	
F99	Adhesive	4" Covebase Adhesive	associated with F98		-	1	8	sqft	2					ND															PCB Bulk Product	
F99	Adhesive	4" Covebase Adhesive	associated with F98		-	South Stairwell	8	sqft	2	1st level only					ceramic wall tile	north wall, west section west wall, north section	two (2) samples collected.	210120.F99.110-0584	130											
F99	Adhesive	4" Covebase Adhesive	associated with F98		-	South Stairwell	8	sqft	2	1st level only					ceramic wall tile	north wall, west section west wall, north section	two (2) samples collected.	210120.F99.110-0585	170											
F100	Resilient Sheet Flooring	Resilient Sheet Flooring	cream stone pattern		-	1	32	sqft	0				Only test mastic for PCBs at this time.	ND															-	
F100	Resilient Sheet Flooring	Resilient Sheet Flooring	cream stone pattern		-	Elevator	32	sqft		throughout																			-	
F101	Adhesive	Adhesive associated with resilient sheet flooring	associated with F100		-	1	32	sqft	2					ND															TBD	
F101	Adhesive	Adhesive associated with resilient sheet flooring	associated with F100		-	Elevator	32	sqft	2	throughout							VOID - no sample collected. asbestos containing sheet flooring	VOID												
F102	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 3		1	1		sqft	0				TBD	ND																
F102	Gypsum Wall Board	Gypsum Wall Board	Newer, Type 3		1	103H Classroom	-																							
F103	Joint Compound	Joint Compound	Newer, Type 3		1	1		sqft	0				TBD	ND																
F103	Joint Compound	Joint Compound	Newer, Type 3		1	103H Classroom	-																							
F105	Vinyl Floor Tile	12" Tile	12" x 12" shades of gray with white		1	2	558	sqft	0				Only test mastic for PCBs at this time.	ND																
F105	Vinyl Floor Tile	12" Tile	12" x 12" shades of gray with white		1	103G Computer Rm	82	sqft		throughout	5841																			
F105	Vinyl Floor Tile	12" Tile	12" x 12" shades of gray with white		1	103H Classroom	476	sqft		throughout	5841																			
F106	Mastic	12" Tile Mastic	associated with F105		1	2	1034	sqft	3					ND															PCB Bulk Product	
F106	Mastic	12" Tile Mastic	associated with F105		1	103G Computer Rm	82	sqft	1	throughout	5841		Label in photo "210125.F106.113-0717"		painted concrete	northwest section	one (1) sample collected. paint inseparable.	210125.F106.113-0718	260							210331.F106.132-1238 11 Aroclor-1254 [1]	210331.F106.132-1239 4.5 Aroclor-1254 [2]			
F106	Mastic	12" Tile Mastic	associated with F105		1	103H Classroom	476	sqft	2	throughout	5841				unpainted concrete, floor leveling agent	northeast section	two (2) samples collected. Floor leveling agent inseparable.	210125.F106.113-0719	82											
F106	Mastic	12" Tile Mastic	associated with F105		1	103H Classroom	476	sqft	2	throughout	5841				unpainted concrete, floor leveling agent	northeast section	two (2) samples collected. Floor leveling agent inseparable.	210125.F106.113-0720	180											
F107	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' dense small fissures with pinholes		1	1	158	sqft	2					ND															PCB Remedial Waste	
F107	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' dense small fissures with pinholes		1	103H Classroom	158	sqft	2	1/3 throughout					suspended metal grid	southwest corner south center section	two (2) samples collected.	210125.F107.113-0721	63											
F107	Suspended Ceiling Tile	Suspended Ceiling Tile	2' x 2' dense small fissures with pinholes		1	103H Classroom	158	sqft	2	1/3 throughout					suspended metal grid	southwest corner south center section	two (2) samples collected.	210125.F107.113-0722	63											
F109	Door Caulking	Door Caulking	metal casing to CMU		1	2		sqft	0				Previously Sampled - PCB F109A 162,000	ND																
F109	Door Caulking	Door Caulking	metal casing to CMU		1	102	-																							
F109	Caulking	Door Caulking	Door casing to CMU		1	103 Auto shop	-					1,900																		
F110	Grout	Grout associated with 4" ceramic wall tile	associated with ceramic wall tile 4" white (newer)	white	2	1	558	sqft	0				Not mastic	ND																
F110	Grout	Grout associated with 4" ceramic wall tile	associated with ceramic wall tile 4" white (newer)	white	2	211 Girl's Bathroom	558	sqft			5587																			
F111	Mortar/Adhesive	Mortar/adhesive associated with Grout associated with 4" ceramic wall tile	associated with F110		2	1	558	sqft	0				Not mastic	ND																
F111	Mortar/Adhesive	Mortar/adhesive associated with Grout associated with 4" ceramic wall tile	associated with F110		2	211 Girl's Bathroom	558	sqft			5587																			
F112	Residual Mastic	Residual mastic	associated with F35 & F36	black	2	1	183	sqft	2				Limited quantity	ND															TBD	
F112	Residual Mastic	Residual mastic	associated with F35 & F36	black	2	200A	183	sqft	2	throughout							VOID - mastic layer could not be separated from Mastic F36	VOID												
F113	Grout	Grout associated with 2" ceramic floor tile	associated with ceramic floor tile 2" tan		2	1	201	sqft	0				Not mastic	ND																
F113	Grout	Grout associated with 2" ceramic floor tile	associated with ceramic floor tile 2" tan		2	211 Girl's Bathroom	201	sqft			5588																			

Building F - Bulk and Substrate Material Sampling Summary

Homogeneous Material	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Total Air Sampling September 2020 Results (ng/m3)	Comments	Asbestos Results %	Substrate (Indicate if Painted or Unpainted)	Specific Sample Location	ATC Comments	Sample ID Number (Date - FF - Photo ID #)	Total PCB Aroclor Concentrations (ppm)	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ATC Comments	Proposed Waste Category	Legend
F114	Adhesive	Adhesive associated with grout associated with 2" ceramic floor tile	associated with F113		2	1	201	sqft	0				Not mastic	ND																
F114	Adhesive	Adhesive associated with grout associated with 2" ceramic floor tile	associated with F113		2	211 Girl's Bathroom	201	sqft			5588																			
F2000	Window Glazing	Window Glazing	associated with reinforced glass at doors	gray	Multiple	3		sqft	3				Not previously sampled	2% Chrysotile																PCB Bulk Product
F2000	Window Glazing	Window Glazing	associated with reinforced glass at doors	gray	1	102	-		1						painted metal to glass pane	northernmost door to stairwell	one (1) sample collected. painted black. Paint insaparable.	210125-F2000.113-0710	160											
F2000	Window Glazing	Window Glazing	associated with reinforced glass at doors		2	Hallway	-		1		5579		Analytical Report "210130 /F2000.110-0577"		unpainted metal to painted metal	sidelight to fire#205	one (1) sample collected. painted black, paint insaparable.	210120-F2000.110-0576	78											
F2000	Window Glazing	Window Glazing	associated with reinforced glass at doors	gray	2	Hallway to Rm. 214	-		1						painted metal to glass pane	door sidelight to Rm214	one (1) sample collected. painted black, paint insaparable.	210130-F2000.1.110-0599	200											
F2000.1	Window Glazing	Window Glazing	associated with reinforced glass at doors	Black										ND															RCB Bulk Product
F2000.1	Window Glazing	Window Glazing	associated with reinforced glass at doors	black	1	102	-		-				Analytical report "210125.F2000.113-0731"		painted metal to glass pane	northernmost door to stairwell	one (1) sample collected. painted black. Paint insaparable.	210125.F2000.1.113-0711	116											
F2000.1	Window Glazing	Window Glazing	associated with reinforced glass at doors	black	2	Hallway to Rm. 214	-		1						painted metal to glass pane	door sidelight to Rm214	one (1) sample collected. painted black, paint insaparable.	210122-F2000.113-0707	350											
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		Multiple	25	455	lnft	6				Not previously sampled	ND																RCB Bulk Product
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		2	202	27	lnft		west wall																			
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		2	204	13	lnft		west wall																			
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		2	205	13	lnft		west wall		1,300																	
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		2	205A	13	lnft		east wall																			
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		2	206	13	lnft		east wall	5608																		
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		2	212	27	lnft		west wall																			
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		3	301	26	lnft		at east wall																			
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		3	303	13	lnft		east wall, center section																			
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		3	303 Office	9	lnft																					
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		3	304A	13	lnft		west wall																			
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		3	304C Storage	13	lnft		west wall																			
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		3	306	13	lnft		west wall																			
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		3	308	13	lnft		west wall																			
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		3	312	13	lnft																					
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		3	315	26	lnft		east wall																			
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		1	102	13	lnft																					
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		1	103B Locker Room	9	lnft		east wall																			
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		1	103C Electrical Room	15	lnft			5829																		
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		1	103D Bathrooms	9	lnft		east wall																			
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU	gray	1	103 Auto shop	45	lnft	1	west wall	5819	1,900			painted CMU, unpainted CMU mortar	west wall, south section	one (1) sample collected. Paint insaparable.	210125-F2001.113-0716	224000											
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		2	210	27	lnft	1	west wall		5,800			painted CMU to CMU mortar	west wall, north section between windows	one (1) sample collected. caulking material painted. paint insaparable.	210120-F2001.110-0562	270000											
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		2	214 Studio B	27	lnft	1	at west wall		6,300			painted CMU to CMU mortar	west wall, south section	one (1) sample collected. painted white. Paint insaparable.	210120-F2001.110-0569	220000											
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU	gray	3	304	26	lnft	1	west wall		400			painted CMU and unpainted mortar	west wall south section	One (1) sample collected. painted white. paint insaparable. See Photo #111-0634	210121-F2001.111-0633	275000						210402-F2001.134-1289 52 Aroclor-1254 [1]		210402-F2001.134-1290 NA			
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		3	309	26	lnft	1			760			painted CMU	east wall, south section	one (1) sample collected. paint insaparable.	210122-F2001.112-0691	190000											
F2001	Expansion Joint Caulking	Expansion Joint Caulking	CMU to CMU		3	310	13	lnft	1	west wall		720, 640			painted CMU to CMU	west wall north section	paint insaparable	210122-F2001.112-0669	96000											
F2002	Adhesive	Adhesive associated with counter	associated with counter		Multiple	13			3					ND															TBD
F2002	Adhesive	Adhesive associated with counter	associated with wall cabinet		2	204	-				5613																		
F2002	Adhesive	Adhesive associated with counter	associated with wall cabinet		2	205A	-				5642																		
F2002	Adhesive	Adhesive associated with counter	associated with counter		3	300	-																						
F2002	Adhesive	Adhesive associated with counter	associated with counter		3	303 Office	-																						
F2002	Adhesive	Adhesive associated with counter	associated with counter		3	304A	-																						
F2002	Adhesive	Adhesive associated with counter	associated with counter		3	306	-				5775																		
F2002	Adhesive	Adhesive associated with counter	associated with counter		3	311	-				5760																		
F2002	Adhesive	Adhesive associated with counter	associated with counter		3	315A	-				5770																		
F2002	Adhesive	Adhesive associated with counter	associated with counter		2	200	-		1		5651						VOID - no adhesive observed	VOID											
F2002	Adhesive	Adhesive associated with counter	associated with counter		3	301	-		1		5704				painted plaster	at counter backsplash at west wall north section	one (1) sample collected. Paint insaparable. Material unique to Room F301.	210121-F2002.111-0651	128			210402-F2002.134-1283 3.4 Aroclor-1254 [1]	210402-F2002.134-1284 NA							
F2002	Adhesive	Adhesive associated with counter	associated with counter		3	302	-		1	south wall	5713/5713				counter to painted plaster	south wall, center section	Material is a caulking material, no adhesive observed.	210121-F2002.111-0623	100											
F2002	Adhesive	Adhesive associated with counter	associated with counter		3	304	-		1			400					VOID - no adhesive observed.	VOID - See Photo #111-0635											
F2002	Adhesive	Adhesive associated with counter	associated with counter		3	308	-		1								VOID - no adhesive observed	VOID											
F2002.1	Caulking Material	Caulking associated with counter	associated with counter	white	Multiple	2								ND															
F2002.2	Caulking Material	Caulking associated with counter	associated with counter	white	2	205																							
F2002.3	Caulking Material	Caulking associated with counter	associated with counter	white	3	302																							
F2003	Caulking Material	Caulking material associated with wood cabinetry	Associated with wood cabinetry		2	1	30	lnft	2					2% Chrysotile															PCB Bulk Product
F2003	Caulking Material	Caulking material associated with wood cabinetry	Associated with wood cabinetry		2	200B	30	lnft	2	south wall	5659				painted plaster to varnished wood	south wall at cabinet	two (2) samples collected. Painted. Paint insaparable.	210119-F2003.109-0537	26											
F2003	Caulking Material	Caulking material associated with wood cabinetry	Associated with wood cabinetry		2	200B	30	lnft	2	south wall	5659				painted plaster to varnished wood	south wall at cabinet	two (2) samples collected. Painted. Paint insaparable.	210119-F2003.109-0539	103			210401-F2003.133-1257 4.5 Aroclor-1254 [1]	-	-	210401-F2003.133-1258 NA					GWB behind plaster
F2004	Carpet Mastic	Carpet Mastic	with blue tweed carpet		2	1	664	sqft	2					ND															PCB Bulk Product
F2004	Carpet Mastic	Carpet Mastic	with blue tweed carpet		2	204	664	sqft	2		5618				unpainted concrete	northeast corner east wall, north section	two (2) sample collected.	210120-F2004.110-0549	210	210401.F2004.133-1258 6.0 Aroclor-1254 [2]	210401.F2004.133-1260 NA								
F2004	Carpet Mastic	Carpet Mastic	with blue tweed carpet		2	204	664	sqft	2		5618				unpainted concrete	northeast corner east wall, north section	two (2) sample collected.	210120-F2004.110-0550	210											
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		Multiple	28	505	lnft	3					ND															RCB Bulk Product
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		2	200A	18	lnft		at south wall																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		2	200B	13	lnft		northeast corner																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall	gray	2	202	16	lnft		west wall																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		2	204	26	lnft		west wall																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		2	205A	13	lnft		south east corner																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		2	206	26	lnft		west wall	5607																		
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		3	300A	18	lnft		southeast and northwest corners																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		3	300B	18	lnft		southeast and northwest corners																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		3	300C	18	lnft		southeast and northwest corners																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		3	300D	18	lnft		southeast and northwest corners																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		3	300G	18	lnft		northeast and southeast corners																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		3	300H	18	lnft		northeast and southeast corners																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		3	301	26	lnft		at east wall																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		3	302	26	lnft		northwest and southwest corners																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster		3	303	13	lnft		northeast corner																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		3	303 Office	3	lnft																					
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		3	304A	9	lnft		west wall																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		3	304B Office	26	lnft		northeast and southeast corners																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		3	311	13	lnft		south																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		3	311A	26	lnft		northeast and southeast corners																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		3	312	26	lnft		southeast and northwest corners																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		3	312B Storage	13	lnft		southwest corner																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		3	315	13	lnft		southeast corner																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		3	315A	13	lnft		southeast corner																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		3	317	13	lnft		west wall																			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall	gray	2	205	26	lnft	1	west wall		1,300			painted CMU to painted plaster	northeast corner	one (1) sample collected. Paint insaparable.	210119-F2005.109-0521	191000											
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		3	309	13	lnft	1	southeast corner		760			painted CMU to painted plaster	southeast corner	one (1) sample collected. paint insaparable.	210122-F2003.112-0692	200000			210402-F2005.134-1307 820 Aroclor-1254 [1]	210402-F2005.134-1308 NA			210402-F2005.134-1305 440 Aroclor-1254 [1]	210402-F2005.134-1306 NA			
F2005	Caulking Material	CMU/Plaster Wall Caulking	CMU to Plaster Wall		3	312A Office	26	lnft	1	northwest and southeast corners					painted CMU to painted plaster	northeast corner	one (1) sample collected. paint insaparable.	210122-F2005.113-0677	110000											
F2006	Adhesive	Adhesive associated with bulleting board / chalkboard	associated with bulletin board/chalkboard		Multiple	14			3					5% Anthophyllite															TBD
F2006	Adhesive	Adhesive associated with bulleting board / chalkboard	associated with bulletin board/chalkboard	dark brown	2	205	-		1			1,300			painted plaster	north wall	one (1) sample collected. Paint insaparable.	210122-F2006.112-0704	0.98											
F2006	Adhesive	Adhesive associated with bulleting board / chalkboard	associated with bulletin board/chalkboard		3	304	-		1			400			painted CMU	bulletin board at west wall, north section	one (1) sample collected.	210122-F2006.112-0660	4.3							210402-F2006.134-1293 0.58 Aroclor-1254 [1]	210402-F2006.134-1294 ND			Potentially Excluded PCB Product
F2006	Adhesive	Adhesive associated with bulleting board / chalkboard	associated with bulletin board/chalkboard		3	308	-		-						painted plaster	chalkboard at east wall, center section	one (1) sample collected.	210122-F2006.112-0702	ND											
F2006	Adhesive	Adhesive associated with bulleting board / chalkboard	associated with bulletin board/chalkboard		3	308	-		DUP						painted plaster	chalkboard at east wall, center section	one (1) duplicate sample collected.	210122-F2006.112-0703	ND											
F2006	Adhesive	Adhesive associated with bulleting board / chalkboard	associated with bulletin board/chalkboard		3	312	-		1								VOID - sample collected in Room F308, because smart board remains in Room F312.	VOID											
F2006	Adhesive	Adhesive associated with bulleting board / chalkboard	associated with bulletin board/chalkboard		2	200B	-				5660																		
F2006	Adhesive	Adhesive associated with bulleting board / chalkboard	associated with bulletin board/chalkboard		2	202	-																						
F2006	Adhesive	Adhesive associated with bulleting board / chalkboard	associated with bulletin board/chalkboard		2	204	-																						
F2006	Adhesive	Adhesive associated with bulleting board / chalkboard	associated with bulletin board/chalkboard		2	205A	-																						
F2006	Adhesive	Adhesive associated with bulleting board / chalkboard	associated with bulletin board/chalkboard		2	206	-																						

Building F - Bulk and Substrate Material Sampling Summary

Homogeneous Material	Material Type	Material Category	Material Description	Color	Floor	Room Number	Approximate Quantity	Units	Proposed Number of Samples	Location of Material	Photo Number	Total Air Sampling September 2020 Results (ng/m3)	Comments	Asbestos Results %	Substrate (Indicate if Painted or Unpainted)	Specific Sample Location	ATC Comments	Sample ID Number (Date - Hill - Photo #) rh	Total PCB Aroclor Concentrations (ppm)	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	Substrate 0-1/2" Depth Sample ID and Results	Substrate 1/2 - 1" Depth Sample ID and Results	ATC Comments	Proposed Waste Category	Legend
F2006	Adhesive	Adhesive associated with bulleting board / chalkboard	associated with bulletin board/chalkboard		3	301	-				5706																	
F2006	Adhesive	Adhesive associated with bulleting board / chalkboard	associated with bulletin board/chalkboard		3	303	-																					
F2006	Adhesive	Adhesive associated with bulleting board / chalkboard	associated with bulletin board/chalkboard		3	304A	-																					
F2006	Adhesive	Adhesive associated with bulleting board / chalkboard	associated with bulletin board/chalkboard		3	306	-																					
F2006	Adhesive	Adhesive associated with bulleting board / chalkboard	associated with bulletin board/chalkboard		3	308 Office	-																					
F2007	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		2	4			2					VOID														TBD
F2007	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		2	205	-		1			1,300					VOID - no adhesive observed.	VOID										
F2007	Adhesive	Adhesive associated with wall cabinet	associated with wall cabinet		2	206	-		1		5588						VOID - no adhesive observed	VOID - See Photo #110-0556										
F2008	Vinyl Floor Tile	12" Tile	12" x 12" beige with rust streaks		2	1	678	sqft	0					5% Chrysotile														
F2008	Vinyl Floor Tile	12" Tile	12" x 12" beige with rust streaks		2	205	678	sqft	0		5638	1,300																
F2009	Mastic	12" Tile Mastic	associated with Vinyl Floor Tile - 12" x 12" beige with rust streaks		2	1	678	sqft	2					ND														PCB Bulk Product
F2009	Mastic	12" Tile Mastic	associated with F2009		2	205	678	sqft	2		5638	1,300			unpainted concrete	north center section north center section	[two (2) samples collected. Sample #210119.F2009.109-0526 is yellow over residual	210119.F2009.109-0518 [two (2) samples collected.	1640	210401.F2009.133-1261 3.8 Aroclor-1254 [J]	210401.F2009.133-1262 NA						
F2009	Mastic	12" Tile Mastic	associated with F2009		2	205	678	sqft	2		5638	1,300			unpainted concrete	south center section south center section	Sample #210119.F2009.109-0526 is yellow over residual black mastic. Layer separated.	210119.F2009.109-0526	370								
F2010	Carpet Mastic	Carpet Mastic	with blue/green/pink tweed carpet		3	7	771	sqft	3					ND														PCB Bulk Product
F2010	Carpet Mastic	Carpet Mastic	with blue/green/pink tweed carpet		3	300B	83	sqft	1	throughout					unpainted concrete	southeast corner	one (1) sample collected.	210121.F2010.111-0916	59									
F2010	Carpet Mastic	Carpet Mastic	with blue/green/pink tweed carpet		3	300D	128	sqft	1	throughout					unpainted concrete	southeast corner	one (1) sample collected.	210121.F2010.111-0917	450	210402.F2010.134-1285 3.8 Aroclor-1254 [1]	210402.F2010.134-1286 NA						
F2010	Carpet Mastic	Carpet Mastic	with blue/green/pink tweed carpet		3	300C	118	sqft	1	throughout					unpainted concrete	southwest corner	one (1) sample collected.	210121.F2010.111-0919	140									
F2010	Carpet Mastic	Carpet Mastic	with blue/green/pink tweed carpet		3	300A	83	sqft		throughout																		-
F2010	Carpet Mastic	Carpet Mastic	with blue/green/pink tweed carpet		3	300C	86	sqft		throughout																		-
F2010	Carpet Mastic	Carpet Mastic	with blue/green/pink tweed carpet		3	300E	180	sqft		throughout																		-
F2010	Carpet Mastic	Carpet Mastic	with blue/green/pink tweed carpet		3	300H	92	sqft		throughout																		-
F2011	Covebase	4" Covebase	4" black, no foot		3	1	40	sqft	0					ND														
F2011	Covebase	4" Covebase	4" black, no foot		3	301	40	sqft		throughout																		
F2012	Adhesive	4" Covebase Adhesive	associated with Covebase, 4" black, no foot		3	1	40	sqft	2					ND														PCB Bulk Product
F2012	Adhesive	4" Covebase Adhesive	associated with Covebase, 4" black, no foot		3	301	40	sqft	2	throughout					painted metal painted plaster	west wall, north door sidelight south wall, center section	one (1) duplicate sample collected. Yellow over dark brown adhesive. Layers inseparable.	210121.F2012.111-0912	146								
F2012	Adhesive	4" Covebase Adhesive	associated with Covebase, 4" black, no foot		3	301	40	sqft	2	throughout					painted metal painted plaster	west wall, north door sidelight south wall, center section	one (1) duplicate sample collected. Yellow over dark brown adhesive. Layers inseparable.	210121.F2012.111-0914	44		210402.F2012.134-1279 6.7 Aroclor-1254 [1]	-	210402.F2012.134-1280 NA	210402.F2012.134-1281 ND	210402.F2012.134-1282 NA			
F2012	Adhesive	4" Covebase Adhesive	associated with Covebase, 4" black, no foot		3	301	40	sqft	DUP	throughout					painted metal	west wall, north door sidelight	one (1) duplicate sample collected.	210121.F2012.111-0913	136								
F2013	Duct Seam Sealant	Duct Seam Sealant	metal ductwork	gray	3	1	3	sqft	3					ND														PCB Bulk Product
F2013	Duct Seam Sealant	Duct Seam Sealant	metal ductwork	gray	3	307	3	sqft	3		5748				unpainted metal duct	north wall, center section vertical duct work	three (3) samples collected.	210121.F2013.111-0644	6300								
F2013	Duct Seam Sealant	Duct Seam Sealant	metal ductwork	gray	3	307	3	sqft	3		5748				unpainted metal duct	north wall, center section vertical duct work	three (3) samples collected.	210121.F2013.111-0647	4000								
F2013	Duct Seam Sealant	Duct Seam Sealant	metal ductwork	gray	3	307	3	sqft	3		5748				unpainted metal duct	north wall, center section vertical duct work	three (3) samples collected.	210121.F2013.111-0648	5400								
F2014	Caulking Material	Counter Top Caulking	associated with counter top		2	1		sqft	2					VOID														
F2014	Caulking Material	Counter Top Caulking	associated with counter top		2	205	-		2			1,300					VOID - no caulking observed.	VOID										
VOID	Adhesive	Adhesive associated with lockers	associated with lockers		2	3		sqft	3					VOID														
VOID	Adhesive	Adhesive associated with lockers	associated with lockers		2	Hallway	-		1								VOID - no adhesive observed.	VOID										
VOID	Adhesive	Adhesive associated with lockers	associated with lockers		2	Hallway to Rm. 214	-		1								VOID - no adhesive observed	VOID										
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black										ND														
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	101																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	102																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	103									soil under concrete slab	north center section	one (1) sample collected	210712.F2050.138-1347	ND									
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	103A																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	103B Locker Room																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	103C Electrical Room																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	103D Bathroom																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	103E																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	103F																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	103G Computer Rm																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	103H Classroom																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	1	South Stairwell																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	205																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	206																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	207																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	207A Electrical Room																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	209																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	211																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	210																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	210A																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	210B																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	210C																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	212																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	212A																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	212B																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	212C																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	212D																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	214																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	214 Studio																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	214D																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	Hallway to Rm. 214																						
F2050	Vapor Barrier	Vapor Barrier	Vapor Barrier, underneath concrete slab	black	2	Hallway									soil under concrete slab	north end of hallway	one (1) sample collected	210712.F2050.138-1346	ND									
F2051	Vapor Barrier	Vapor Barrier	Vapor Barrier, behind brick exterior	black	Exterior	Exterior								ND														
F2051	Vapor Barrier	Vapor Barrier	Vapor Barrier, behind brick exterior	black	Exterior	Exterior									Brick, Concrete and Foram Board Insulation	West Elevation, center section	one (1) sample collected.	210723.F2051.140-1351	860									
F2051	Vapor Barrier	Vapor Barrier	Vapor Barrier, behind brick exterior	black	Exterior	Exterior									Brick, Concrete and Foram Board Insulation	West Elevation, center section	one (1) sample collected.	210723.F2051.140-1352	1300									

Attachment #3

Specification Section 02 41 00

SECTION 02 41 00 - STRUCTURE DEMOLITION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:
1. Demolition and full removal and disposal of building and foundation elements.
2. Disconnecting, capping or sealing, and abandoning in-place site utilities.
3. Salvaging items for reuse by Owner.

B. Related Sections:
1. Section 01 10 00 "Summary" for use of the premises and phasing requirements.
2. Section 02 82 13 “Asbestos Abatement” for hazardous material remediation.
3. Section 02 84 34 “PCB Remediation” for hazardous material remediation.
4. Section 02 83 19 “Lead Paint Awareness” for hazardous material remediation.
5. Section 31 10 00 "Site Clearing" for site clearing and removal of above- and below-grade site improvements not part of building demolition.
6. Section 31 20 00 “Earth Moving” for backfill requirements of below-grade areas and voids resulting from building demolition operations with satisfactory soil materials.

1.3 DEFINITIONS

A. Remove: Detach items from existing construction and legally dispose of them off-site unless indicated to be removed and salvaged.

B. Remove and Salvage: Carefully detach from existing construction, in a manner to prevent damage, and deliver to Owner. Include fasteners or brackets needed for reattachment elsewhere.

1.4 MATERIALS OWNERSHIP

A. Unless otherwise indicated, demolition waste becomes property of Contractor.

B. Historic items, relics, antiques, and similar objects including, but not limited to, cornerstones and their contents, commemorative plaques and tablets, and other items of interest or value to Owner that may be uncovered during demolition remain the property of Owner.

1. Carefully salvage in a manner to prevent damage and promptly return to Owner.

1.5 INFORMATIONAL SUBMITTALS

A. Qualification Data:
   1. Demolition Contractor Qualifications.
   2. For qualified refrigerant recovery technician.
   3. Licensed Professional Engineer.

B. Proposed Protection Measures: Submit informational report, including Drawings, that indicates the measures proposed for protecting individuals and property, for environmental protection, for dust control and for noise control. Indicate proposed locations and construction of barriers.
   1. Adjacent Buildings: Detail special measures proposed to protect adjacent buildings to remain.

C. Schedule of Building Demolition Activities: Indicate the following:
   1. Detailed sequence of demolition work, with starting and ending dates for each activity.
   2. Temporary interruption of utility services.
   3. Shutoff and capping of utility services.

D. Inventory: Submit a list of items to be removed and salvaged and deliver to Owner prior to start of demolition.

E. Pre-demolition: Show existing conditions of adjoining construction and site improvements, including finish surfaces, that might be misconstrued as damage caused by demolition operations. Comply with Section 013233 "Photographic Documentation." Submit before the Work begins.

F. Landfill Records: Indicate receipt and acceptance of hazardous wastes by a landfill facility licensed to accept hazardous wastes.

G. Statement of Refrigerant Recovery: Signed by refrigerant recovery technician responsible for recovering refrigerant, stating that all refrigerant that was present was recovered and that recovery was performed according to EPA regulations. Include name and address of technician and date refrigerant was recovered.

1.6 QUALITY ASSURANCE

A. Refrigerant Recovery Technician Qualifications: Certified by EPA-approved certification program.

B. Regulatory Requirements: Comply with governing EPA notification regulations before beginning demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.

C. Standards: Comply with ANSI/ASSE A10.6 and NFPA 241.

D. Pre-demolition Conference: Conduct conference at 52 Institute Road, Burlington, Vermont.
1. Inspect and discuss condition of construction to be demolished.
2. Review structural load limitations of existing structures.
3. Review and finalize building demolition schedule and verify availability of demolition personnel, equipment, and facilities needed to make progress and avoid delays.
4. Review and finalize protection requirements.
5. Review procedures for noise control and dust control.
6. Review procedures for protection of adjacent buildings.
7. Review items to be salvaged and returned to Owner.

1.7 PROJECT CONDITIONS

A. Buildings to be demolished will be vacated and their use discontinued before start of the Work.

B. Buildings immediately adjacent to demolition area will be occupied. Conduct building demolition so operations of occupied buildings will not be disrupted.
1. Provide not less than 72 hours' notice of activities that will affect operations of adjacent occupied buildings.
2. Maintain access to existing walkways, exits, and other facilities used by occupants of adjacent buildings.
a. Do not close or obstruct walkways, exits, or other facilities used by occupants of adjacent buildings without written permission from authorities having jurisdiction.

C. Owner assumes no responsibility for buildings and structures to be demolished.
1. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.

D. Hazardous Materials: Hazardous materials are present in buildings and structures to be demolished. A report on the presence of hazardous materials is on file for review and use. Examine report to become aware of locations where hazardous materials are present.
1. Hazardous material remediation is specified elsewhere in the Contract Documents.
2. Do not disturb hazardous materials or items suspected of containing hazardous materials except under procedures specified elsewhere in the Contract Documents.
3. Owner will provide material safety data sheets for materials that are known to be present in buildings and structures to be demolished because of building operations or processes performed there.

E. On-site storage or sale of removed items or materials is not permitted.

1.8 COORDINATION

A. Arrange demolition schedule so as not to interfere with operations of adjacent occupied buildings.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 DEMOLITION CONTRACTOR

A. Demolition Contractor:
   1. Vermont Class A licensed demolition firm.

3.2 EXAMINATION

A. Verify that utilities have been disconnected and capped before starting demolition operations.

B. Review Project Record Documents of existing construction provided by Owner. Owner does not guarantee that existing conditions are same as those indicated in Project Record Documents.

C. Engage a professional engineer to perform an engineering survey of condition of building to determine whether removing any element might result in structural deficiency or unplanned collapse of any portion of structure or adjacent structures during building demolition operations.

D. Verify that hazardous materials have been remediated before proceeding with building demolition operations.

3.3 PREPARATION

A. Refrigerant: Remove refrigerant from mechanical equipment according to 40 CFR 82 and regulations of authorities having jurisdiction before starting demolition.

B. Existing Utilities: Locate, identify, disconnect, and seal or cap off indicated utilities serving buildings and structures to be demolished.
   1. Owner will arrange to shut off indicated utilities when requested by Contractor.
   2. Arrange to shut off indicated utilities with utility companies.
   3. If removal, relocation, or abandonment of utility services will affect adjacent occupied buildings, then provide temporary utilities that bypass buildings and structures to be demolished and that maintain continuity of service to other buildings and structures.

4. Cut off pipe or conduit a minimum of 24 inches below grade. Cap, valve, or plug and seal remaining portion of pipe or conduit after bypassing according to requirements of authorities having jurisdiction.

C. Existing Utilities: See plumbing and electrical Sections for shutting off, disconnecting, removing, and sealing or capping utilities. Do not start demolition work until utility disconnecting and sealing have been completed and verified in writing.

D. Temporary Shoring: Provide and maintain interior and exterior shoring, bracing, or structural support to preserve stability and prevent unexpected movement or collapse of construction being demolished.
1. Strengthen or add new supports when required during progress of demolition.

E. Salvaged Items: Comply with the following:
1. Clean salvaged items of dirt and demolition debris.
2. Pack or crate items after cleaning. Identify contents of containers.
3. Store items in a secure area until delivery to Owner.
4. Transport items to storage area designated by Owner.
5. Protect items from damage during transport and storage.

3.4 PROTECTION

A. Existing Facilities: Protect adjacent walkways, loading docks, building entries, and other building facilities during demolition operations. Maintain exits from existing buildings.

B. Existing Utilities: Maintain utility services to remain and protect from damage during demolition operations.
1. Do not interrupt existing utilities serving adjacent occupied or operating facilities unless authorized in writing by Owner and authorities having jurisdiction.
2. Provide temporary services during interruptions to existing utilities, as acceptable to Owner and authorities having jurisdiction.
a. Provide at least 72 hours' notice to occupants of affected buildings if shutdown of service is required during changeover.

C. Temporary Protection: Erect temporary protection, such as walks, fences, railings, canopies, and covered passageways, where required by authorities having jurisdiction and as indicated. Comply with requirements in Section 015000 "Temporary Facilities and Controls."
1. Protect adjacent buildings and facilities from damage due to demolition activities.
2. Protect existing site improvements, appurtenances, and landscaping to remain.
3. Erect a plainly visible fence around drip line of individual trees or around perimeter drip line of groups of trees to remain.
4. Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.

5. Provide protection to ensure safe passage of people around building demolition area and to and from occupied portions of adjacent buildings and structures.
6. Protect walls, windows, roofs, and other adjacent exterior construction that are to remain and that are exposed to building demolition operations.
7. Erect and maintain dustproof partitions and temporary enclosures to limit dust, noise, and dirt migration to occupied portions of adjacent buildings.

D. Remove temporary barriers and protections where hazards no longer exist. Where open excavations or other hazardous conditions remain, leave temporary barriers and protections in place.

3.5 DEMOLITION, GENERAL

A. General: Demolish indicated building elements. Use methods required to complete the Work within limitations of governing regulations and as follows:
1. Do not use cutting torches until work area is cleared of flammable materials. Maintain portable fire-suppression devices during flame-cutting operations.
2. Maintain fire watch during and for at least 24 hours after flame cutting operations.
3. Maintain adequate ventilation when using cutting torches.
4. Locate building demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.

B. Engineering Surveys: During demolition, perform surveys to detect hazards that may result from building demolition activities.

C. Site Access and Temporary Controls: Conduct building demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
1. Do not close or obstruct streets, walks, walkways, or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction. Provide alternate routes around closed or obstructed traffic ways if required by authorities having jurisdiction.
2. Use water mist and other suitable methods to limit spread of dust and dirt. Comply with governing environmental-protection regulations. Do not use water when it may damage adjacent construction or create hazardous or objectionable conditions, such as ice, flooding, and pollution.

D. Explosives: Use of explosives is not permitted.

3.6 DEMOLITION BY MECHANICAL MEANS

A. Proceed with demolition of structural framing members systematically, from higher to lower level. Complete building demolition operations above each floor or tier before disturbing supporting members on the next lower level.

B. Remove debris from elevated portions of the building by chute, hoist, or other device that will convey debris to grade level in a controlled descent.
   1. Remove structural framing members and lower to ground by method suitable to minimize ground impact and dust generation.

C. Below-Grade Construction: Demolish foundation walls and other below-grade construction.
   1. Remove below-grade construction, including basements, foundation walls, and footings, completely.

D. Existing Utilities: Abandon existing utilities and below-grade utility structures. Cut utilities flush with grade.

3.7 SITE RESTORATION

A. Below-Grade Areas: Completely fill below-grade areas and voids resulting from building demolition operations with satisfactory soil materials according to backfill requirements in Section 312000 "Earth Moving."

B. Site Grading: Grading to be performed in accordance with the Site Plans, Contaminated Soil Management Specification 02 61 16, Earth Moving Specification 31 20 00, and Excavation Support and Protection 31 06 50 Specification.

3.8 REPAIRS

A. Promptly repair damage to adjacent buildings caused by demolition operations.

3.9 DISPOSAL OF DEMOLISHED MATERIALS

A. Remove demolition waste materials from Project site and legally dispose of them in an EPA-approved landfill acceptable to authorities having jurisdiction. See Sections Polychlorinated “Biphenyl Bulk Material Abatement – 02 84 34”, "Lead Paint Awareness – 02 83 19,” and Asbestos Abatement – 02 82 13” for recycling and disposal of demolition waste.
   1. Do not allow demolished materials to accumulate on-site.
   2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.

B. Do not burn demolished materials.

3.10 CLEANING

A. Clean adjacent structures and improvements of dust, dirt, and debris caused by building demolition operations. Return adjacent areas to condition existing before building demolition operations began.
   1. Clean roadways of debris caused by debris transport.

END OF SECTION

Attachment #4

Bid Form

BURLINGTON HIGH SCHOOL
BURLINGTON HIGH SCHOOL ABATEMENT, DEMOLITION, AND SOIL REMEDIATION PROJECT
November 1, 2022
F&O Project No. 20191400.A10

BID FORM

Project: Burlington High School Abatement, Demolition, and Soil Remediation Project at, Burlington High School, Burlington Vermont in accordance with plans prepared by Fuss & O'Neill, Inc, 205 Billings Farm Road, White River Junction Vermont.

Owner: Burlington School District
287 Shelburne Road
Burlington, VT 05401
802-864-8453

Bidder

Name: _____

Address: _____

Phone #: _____

1. The undersigned Bidder hereby agrees, if this Bid is accepted, to enter into an agreement with Owner in theform included in the Contract Documents to perform and furnish all Work as specified or indicated in the Contract Documents for the Contract Price and within the Contract Time indicated in this Bid and in accordance with the other terms and conditions of the Contract Documents. The term Owner in all documents shall refer to Burlington School District and property owner.

2. Bidder accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to Bidders. This Bid will remain subject to acceptance for forty-five days after the day of Bid opening. Bidderwill sign and submit the Agreement and other documents required by the Bidding Requirements within fifteen days after the date of Owner's Notice of Award.

3. In submitting this Bid, Bidder represents, as more fully set forth in the Agreement, that:

   (a) Bidder has examined copies of all the Bidding Documents (a list of which is attached) and of thefollowing Addenda (receipt of all which is hereby acknowledged):

Addendum No.	Dated
_____	_____
_____	_____
_____	_____

   (b) Bidder has familiarized itself with the nature and extent of the Contract Documents, Work, site, locality and all local conditions and Laws and Regulations that in any manner may affect cost, progress, performance or furnishing of the work.

   (c) Bidder has obtained and carefully studied all such examinations, investigations, explorations, tests and studies which pertain to the subsurface or physical conditions at the site or otherwise may affect the cost, progress performance or furnishing of the Work as Bidder considers necessary for the performance or furnishing of the Work at the

Contract documents.

(d) Bidder has correlated the results of all such observations, examinations, investigations, explorations, tests, reports and studies with the terms and conditions of the Contract documents.

(e) Bidder has given Engineer written notice of all conflicts, errors or discrepancies that it has discovered in the Contract Documents and the written resolution thereof by Engineer is acceptable to Bidder.

(f) This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any person, firm or corporation to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER.

(g) The right is reserved to reject any or all bids, to waive any Formality or Informality in Bids and to accept such bid as may be deemed in the best interest of the Owner.

4. The following documents are attached to and made a condition of this Bid:

(a) A tabulation of Subcontractors, Suppliers and other persons and organizations required to be identified in this Bid. (Use separate sheet.)

(b) The Contractor shall provide hourly rates for men and equipment which may be used on the project.

5. Communications to the Contractor concerning this Bid shall be addressed to:

Name: _____

Address: _____

Phone: _____ Email: _____

6. The terms used in this Bid which are defined in the General Conditions of the Construction Contract included as part of the Contract Documents have the meanings assigned to them in the General Conditions.

7. CHANGE ORDERS: No payment will be made for additional work without prior written approval of the Owner.

8. Burlington High School Abatement, Demolition, and Soil Remediation Project

Work in accordance with bid documents.

Lump Sum Amount _____
(Use Words)
($_____)(Use Figures)

Lump Sum Breakdown Items: The Contractor shall provide the following line-item costs which are part of the total project bid for owner review and comparison of major work items.

1. Mobilization and de-mobilization: $_____
2. Utility disconnects and temporary construction: $_____
3. Asbestos and PCB building materials abatement: $_____
4. Demolition and waste disposal: $_____
5. Soil Remediation and Disposal: $_____

_____

1. Mobilization and demobilization, installation, and maintenance of erosion controls, construction and maintenance of storm drainage pond, and construction and maintenance of truck wash station.

2. Disconnection and removal of all utilities as specified on plans and in specification including electric, telecommunication, water, sanitary sewer, gas, stormwater utilities and improvements. This includes temporary electric connection and maintenance as specified in project documents.

3. Removal and disposal of waste as asbestos containing waste, co-mingled asbestos, and PCB containing, and PCB only containing waste prior to demolition as specified in the Asbestos Specification 02 82 13, PCB Specification, 02 84 34, and Lead Specification 02 83 19.

4. Buildings demolition and disposal following removal and disposal activities in Item No. 3 above. Disposal of buildings as PCB Bulk Product waste at a solid waste landfill 761.62 (B).

5. Soil excavation to facilitate building removal including stockpiling, disposal, and regrading activities as specified on plans and in specifications.

9. Unit Prices

If the required quantities of the items listed below are increased or decreased by Change Order, the unit prices set forth below shall apply to such increased or decreased quantities. Except for the elimination of an item, increases or decreases greater than 10 percent shall be negotiated.

Unit Price No.	Description	Units	Base Bid Quantity	Additional Quantity (~3% over base)	Unit Cost (Contractor provided)	Additional Cost
1	Removal and disposal of concrete floor sealant and mastic adhesives as PCB waste	SF	4,000	150	$	$

2	Removal and disposal of interior expansion joint caulking as co-mingled asbestos and PCB waste	LF	0	200	$	$
3	Removal and disposal of duct seam sealant containing PCBs	LF	50	10	$	$
4	Removal and disposal of ceiling tiles as PCB Remediation waste	SF	77,000	2,500	$	$
5	Removal and disposal of Vermiculite, vault and cooler insulation as asbestos waste	SF	2,000	75	$	$
6	Removal and disposal of adhesive associated with chalkboards as asbestos waste	SF	7,000	200	$	$
7	Removal and disposal of joint compounds and associated gypsum wallboard as asbestos waste	SF	600	50	$	$
8	Removal and disposal of mudded insulation on pipe fittings and joints as asbestos waste	Each LF	250 2,600	20	$	$
9	Removal and disposal of adhesives associated with wall tiles (various colors) as asbestos waste	SF	18,500	200	$	$
10	Removal and disposal of vapor barrier mastic as asbestos waste	SF	16,000	1,000	$	$
11	Removal and disposal CMU to Plaster caulking as asbestos waste	LF	200	50	$	$
12	Soil excavation and disposal as TSCA regulated PCB soils >50 ppm at a licensed receiving facility	CY	82	3	$	$
13	Soil excavation and disposal as TSCA regulated PCB soils <50 ppm and >1 ppm at a licensed receiving facility	CY	3,377	100	$	$
14	Soil excavation and stockpiling for VTDEC regulated PCB < 1 ppm and Development soils on site	CY	2,730	82	$	$
15	Soil excavation and disposal as VTDEC regulated PCB < 1 ppm and Development soils at a licensed receiving facility	CY	None	1	$	$
16	Soil re-loading for stockpiled	CY	None	1	$	$

	material for trucking and disposal as VTDEC regulated PCB < 1 ppm and Development soils at a licensed receiving facility					
17	Soil excavation and disposal as petroleum impacted soil at a licensed receiving facility.	CY	None	1	$	$
TOTAL ESTIMATED ADDED CHANGE COST						$

10. If Bidder is:

A Corporation - Please attach copy of Articles of Association Bylaws and Corporation Authorization.

By _____
(Corporation Name)

_____
(State of Incorporation)

By _____
(Name of person authorized to sign)

_____
(Title)

(Corporate Seal)

Attest _____
(Secretary)

Business address: _____

Phone No.: _____

11. The Owner reserves the right to accept or reject the Lump Sum Bid for the Work.

Attachment #5

Addendum #1

ADDENDUM NO. 1, November 7, 2022

RE: Burlington High School Abatement, Demolition, and Soil Remediation Project
Burlington, VT
Original RFP Date: November 2, 2022

FROM: Fuss & O'Neill, Inc.
205 Billings Farm Road
Suite 6B
White River Junction, VT 05001

TO: Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated November 2, 2022 as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid form. Failure to do so may subject Bidder to disqualification.

This Addendum consists of the additional attachments:

1. Added Electrical Specification 01 51 00 "Temporary Utilities" (2 pages)
2. Added Electrical Specification 26 05 05 "Selective Demolition For Electrical" (3 pages)
3. Added Electrical Specification 26 05 19 "Low-Voltage Electrical Power Conductors and Cables" (7 pages)
4. Added Electrical Specification 26 05 26 "Grounding And Bonding For Electrical Systems" (2 pages)
5. Added Electrical Specification 26 05 29 "Hangers And Supports For Electrical Systems" (3 pages)
6. Added Electrical Specification 26 05 33.13 "Conduit For Electrical Systems" (7 pages)
7. Added Electrical Specification 26 05 53 "Identification for Electrical Systems" (5 pages)
8. Added Electrical Specification 26 21 00 "Low-Voltage Electrical Service Entrance" (4 pages)
9. Added Electrical Specification 26 24 16 "Panelboards" (4 pages)
10. Added Electrical Specification 26 28 13 "Fuses" (2 pages)
11. Added Electrical Specification 26 28 16.13 "Enclosed Circuit Breakers" (4 pages)
12. Added Electrical Specification 26 28 16.16 "Enclosed Switches" (4 pages)
13. Added Electrical Specification 28 46 00 "Fire Detection And Alarm" (6 pages)
14. Added Electrical Specification 33 71 19 "Electrical Underground Ducts, Ductbanks, And Manholes" (3 pages)
15. Added Electrical Drawing E-01
16. Added Electrical Drawing E-02
17. Added Electrical Drawing E-03
18. Added Electrical Drawing E-04
19. Added Electrical Drawing ED-A1
20. Added Electrical Drawing ED-A1a
21. Added Electrical Drawing ED-B1
22. Added Electrical Drawing ED-C1
23. Added Electrical Drawing ED-C1a
24. Added Electrical Drawing ED-D1
25. Added Electrical Drawing ED-D1a
26. Added Electrical Drawing ED-E1
27. Added Electrical Drawing ED-E1a
28. Added Electrical Drawing ED-F1
29. Added Electrical Drawing ED-F1a

FUSS & O'NEILL

Electrical Addendum 1

- Drawing E-02
  - Existing Fire Alarm Riser Diagram modified for phased demolition of buildings.
- Drawing E-03 and E-04
  - Existing Electrical One-Line of all buildings indicated reconfiguration of electrical distribution for phased demolition of buildings.
- Drawing ED-A1 and ED-A1a
  - Existing electrical distribution equipment identification and layout in main electrical rooms.
  - Demolition of all electrical devices, equipment, boxes, connections, controls, wiring, conduit, and associated hangers and support for power, lighting and fire alarm system
  - Scope for relocation of fire alarm control panel, transmitter, and antenna.
  - Demolition of existing PV system on roof
- Drawing ED-B1
  - Demolition of all electrical devices, equipment, boxes, connections, controls, wiring, conduit, and associated hangers and support for power, lighting and fire alarm system
- Drawing ED-C1 and ED-C1a
  - Existing electrical distribution equipment identification and layout in elec. rooms
  - Demolition of all electrical devices, equipment, boxes, connections, controls, wiring, conduit, and associated hangers and support for power, lighting and fire alarm system
- Drawing ED-D1 and ED-D1a
  - Existing and new electrical distribution equipment identification and layout in electrical rooms
  - Demolition of all electrical devices, equipment, boxes, connections, controls, wiring, conduit, and associated hangers and support for power, lighting and fire alarm system
- Drawing ED-E1 and ED-E1a
  - Existing electrical distribution equipment identification and layout in electrical rooms
  - Demolition of all electrical devices, equipment, boxes, connections, controls, wiring, conduit, and associated hangers and support for power, lighting and fire alarm system
  - New service scope for Building H (wood chipper) and relocation of PV System's utility equipment.
- Drawing ED-F1 and ED-F1a
  - Existing electrical distribution equipment identification and layout in electrical rooms
  - Demolition of all electrical devices, equipment, boxes, connections, controls, wiring, conduit, and associated hangers and support for power, lighting and fire alarm system

205 Billings Farm Road
Suite 6B
White River Junction, VT
05001
t 802.698.0370
f 860.533.5143

www.fando.com

California
Connecticut
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont

SECTION 01 51 00 – TEMPORARY UTILITIES

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Temporary Utilities: Provision of electricity, heat, and ventilation.

1.2 TEMPORARY ELECTRICITY

A. Cost: By Contractor.

B. Provide power service required from utility source.

C. Connect to Owner's existing power service.

D. Provide temporary electric feeder from existing building electrical service at location as directed.

E. Complement existing power service capacity and characteristics as required.

F. Provide power outlets for construction operations, with branch wiring and distribution boxes located at each floor. Provide flexible power cords as required.

G. Provide main service disconnect and over-current protection at convenient location and meter.

1.3 TEMPORARY HEATING

A. Cost of Energy: By Contractor.

B. Provide heating devices and heat as needed to maintain specified conditions for abatement operations.

C. Maintain minimum ambient temperature of 50 degrees F (10 degrees C) in areas where construction is in progress, unless indicated otherwise in specifications.

D. Existing facilities shall not be used.

1.4 TEMPORARY VENTILATION

A. Existing ventilation equipment may not be used.

PART 2 - PRODUCTS-NOT USED

PART 3 - EXECUTION-NOT USED

END OF SECTION

SECTION 26 05 05 – SELECTIVE DEMOLITION FOR ELECTRICAL

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Electrical demolition.

PART 2 - PRODUCTS-NOT USED

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify field measurements and circuiting arrangements are as indicated.

B. Verify that abandoned wiring and equipment serve only abandoned facilities.

C. Demolition drawings are based on casual field observation and existing record documents.

D. Report discrepancies to Owner before disturbing existing installation.

E. Beginning of demolition means installer accepts existing conditions.

3.2 PREPARATION

A. Disconnect electrical systems in walls, floors, and ceilings to be removed.

B. Coordinate utility service outages with utility company.

C. Provide temporary wiring and connections to maintain existing systems in service during construction. When work must be performed on energized equipment or circuits, use personnel experienced in such operations.

D. Existing Electrical Service: Maintain existing system in service at building E until demolition of building starts. Disable system only to make switchovers and connections. Minimize outage duration.
   1. Obtain permission from Owner at least 48 hours before partially or completely disabling system.
   2. Make temporary connections to maintain service in buildings C, D, G, H and F and areas adjacent to work area.

E. Existing Fire Alarm System: Relocate and reconnect main control panel, transmitter, annunciator, and associated accessories from building A to building E. Maintain existing system in service in each building until each is ready for demolition. Disable system only to make switchovers and connections. Minimize outage duration.
   1. Notify Owner before partially or completely disabling system.
   2. Notify local fire service.
   3. Make notifications at least 24 hours in advance.
   4. Make temporary connections to maintain service in buildings C, D, E, and F and areas adjacent to work area.

3.3 DEMOLITION AND EXTENSION OF EXISTING ELECTRICAL WORK

A. Perform work for removal and disposal of equipment and materials containing toxic substances regulated under the Federal Toxic Substances Control Act (TSCA) in accordance with applicable federal, state, and local regulations. Applicable equipment and materials include, but are not limited to:
   1. PCB-containing electrical equipment, including transformers, capacitors, and switches.
   2. PCB- and DEHP-containing lighting ballasts.
   3. Mercury-containing lamps and tubes, including fluorescent lamps, high intensity discharge (HID), arc lamps, ultra-violet, high pressure sodium, mercury vapor, ignitron tubes, neon, and incandescent.

B. Remove, relocate, and extend existing installations to accommodate phased demolition.

C. Remove abandoned wiring to source of supply.

D. Remove exposed abandoned conduit, including abandoned conduit above accessible ceiling finishes. Cut conduit flush with walls and floors, and patch surfaces.

E. Disconnect abandoned outlets and remove devices. Remove abandoned outlets if conduit servicing them is abandoned and removed. Provide blank cover for abandoned outlets that are not removed.

F. Disconnect and remove abandoned panelboards and distribution equipment.

G. Disconnect and remove electrical devices and equipment serving utilization equipment that has been removed.

H. Disconnect and remove abandoned luminaires. Remove brackets, stems, hangers, and other accessories.

I. Repair adjacent construction and finishes damaged during demolition and extension work.

J. Maintain access to existing electrical installations that remain active. Modify installation or provide access panel as appropriate.

K. Extend existing installations using materials and methods compatible with existing electrical installations, or as specified.

END OF SECTION

SECTION 26 05 19 - LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Single conductor building wire.

B. Service entrance cable.

C. Metal-clad cable.

D. Wiring connectors.

E. Electrical tape.

F. Wire pulling lubricant.

G. Cable ties.

1.02 RELATED REQUIREMENTS

A. Section 078400 - Firestopping.

B. Section 260505 - Selective Demolition for Electrical: Disconnection, removal, and/or extension of existing electrical conductors and cables.

C. Section 260526 - Grounding and Bonding for Electrical Systems: Additional requirements for grounding conductors and grounding connectors.

D. Section 284600 - Fire Detection and Alarm: Fire alarm system conductors and cables.

E. Section 312316 - Excavation.

1.03 REFERENCE STANDARDS

A. ASTM B3 - Standard Specification for Soft or Annealed Copper Wire 2013 (Reapproved 2018).

B. ASTM B8 - Standard Specification for Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard, or Soft 2011 (Reapproved 2017).

C. ASTM B787/B787M - Standard Specification for 19 Wire Combination Unilay-Stranded Copper Conductors for Subsequent Insulation 2004 (Reapproved 2020).

D. ASTM D3005 - Standard Specification for Low-Temperature Resistant Vinyl Chloride Plastic Pressure-Sensitive Electrical Insulating Tape 2017.

E. NECA 1 - Standard for Good Workmanship in Electrical Construction 2015.

F. NECA 120 - Standard for Installing Armored Cable (AC) and Type Metal-Clad (MC) Cable 2018.

G. NEMA WC 70 - Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy 2021.

H. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

I. UL 267 - Outline of Investigation for Wire-Pulling Compounds Most Recent Edition, Including All Revisions.

J. UL 486A-486B - Wire Connectors Current Edition, Including All Revisions.

K. UL 486C - Splicing Wire Connectors Current Edition, Including All Revisions.

L. UL 510 - Polyvinyl Chloride, Polyethylene, and Rubber Insulating Tape Current Edition, Including All Revisions.

M. UL 854 - Service-Entrance Cables Current Edition, Including All Revisions.

N. UL 1569 - Metal-Clad Cables Current Edition, Including All Revisions.

1.04 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide manufacturer's standard catalog pages and data sheets for conductors and cables, including detailed information on materials, construction, ratings, listings, and available sizes, configurations, and stranding.

PART 2 PRODUCTS

2.01 CONDUCTOR AND CABLE APPLICATIONS

A. Do not use conductors and cables for applications other than as permitted by NFPA 70 and product listing.

B. Provide single conductor building wire installed in suitable raceway unless otherwise indicated, permitted, or required.

2.02 CONDUCTOR AND CABLE GENERAL REQUIREMENTS

A. Provide products that comply with requirements of NFPA 70.

B. Provide products listed, classified, and labeled as suitable for the purpose intended.

C. Unless specifically indicated to be excluded, provide all required conduit, boxes, wiring, connectors, etc. as required for a complete operating system.

D. Comply with NEMA WC 70.

E. Conductor Material:
   1. Provide copper conductors only. Aluminum conductors are not acceptable for this project. Conductor sizes indicated are based on copper.
   2. Copper Conductors: Soft drawn annealed, 98 percent conductivity, uncoated copper conductors complying with ASTM B3, ASTM B8, or ASTM B787/B787M unless otherwise indicated.

F. Minimum Conductor Size:
   1. Branch Circuits: 12 AWG.

G. Conductor Color Coding:
   1. Color code conductors as indicated unless otherwise required by the authority having jurisdiction. Maintain consistent color coding throughout project.
   2. Color Coding Method: Integrally colored insulation.
   3. Color Code:
      a. 480Y/277 V, 3 Phase, 4 Wire System:
         1) Phase A: Brown.
         2) Phase B: Orange.
         3) Phase C: Yellow.
         4) Neutral/Grounded: Gray.
      b. 208Y/120 V, 3 Phase, 4 Wire System:
         1) Phase A: Black.
         2) Phase B: Red.
         3) Phase C: Blue.
         4) Neutral/Grounded: White.
      c. Equipment Ground, All Systems: Green.

2.03 SINGLE CONDUCTOR BUILDING WIRE

A. Manufacturers:
   1. Copper Building Wire:
      a. Cerro Wire LLC: www.cerrowire.com/#sle.
      b. Encore Wire Corporation: www.encorewire.com/#sle.

c. General Cable Technologies Corporation; [_____]: www.generalcable.com/#sle.
d. Service Wire Co: www.servicewire.com/#sle.
e. Southwire Company: www.southwire.com/#sle.

B. Description: Single conductor insulated wire.

C. Conductor Stranding:
1. Feeders and Branch Circuits:
a. Size 10 AWG and Smaller: Solid.
b. Size 8 AWG and Larger: Stranded.

D. Insulation Voltage Rating: 600 V.

E. Insulation:
1. Copper Building Wire: Type THHN/THWN, THHN/THWN-2, or XHHW-2.

2.04 SERVICE ENTRANCE CABLE

A. Manufacturers:
1. Copper Service Entrance Cable:
a. Cerro Wire LLC: www.cerrowire.com/#sle.
b. Encore Wire Corporation: www.encorewire.com/#sle.
c. Service Wire Co: www.servicewire.com/#sle.
d. Southwire Company: www.southwire.com/#sle.

B. Service Entrance Cable for Above-Ground Use: NFPA 70, Type SE multiple-conductor cable listed and labeled as complying with UL 854, Style R.

C. Conductor Stranding: Stranded.

D. Insulation Voltage Rating: 600 V.

2.05 METAL-CLAD CABLE

A. Manufacturers:
1. AFC Cable Systems Inc: www.afcweb.com/#sle.
2. Encore Wire Corporation: www.encorewire.com/#sle.
3. Service Wire Co: www.servicewire.com/#sle.
4. Southwire Company: www.southwire.com/#sle.

B. Description: NFPA 70, Type MC cable listed and labeled as complying with UL 1569, and listed for use in classified firestop systems to be used.

C. Conductor Stranding:

1. Size 10 AWG and Smaller: Solid.
2. Size 8 AWG and Larger: Stranded.

D. Insulation Voltage Rating: 600 V.

E. Insulation: Type THHN, THHN/THWN, or THHN/THWN-2.

F. Grounding: Full-size integral equipment grounding conductor.

G. Armor: Steel, interlocked tape.

2.06 WIRING CONNECTORS

A. Description: Wiring connectors appropriate for the application, suitable for use with the conductors to be connected, and listed as complying with UL 486A-486B or UL 486C as applicable.

B. Connectors for Grounding and Bonding: Comply with Section 260526.

2.07 ACCESSORIES

A. Electrical Tape:
1. Vinyl Color Coding Electrical Tape: Integrally colored to match color code indicated; listed as complying with UL 510; minimum thickness of 7 mil (0.18 mm); resistant to abrasion, corrosion, and sunlight; suitable for continuous temperature environment up to 221 degrees F (105 degrees C).
2. Vinyl Insulating Electrical Tape: Complying with ASTM D3005 and listed as complying with UL 510; minimum thickness of 7 mil (0.18 mm); resistant to abrasion, corrosion, and sunlight; conformable for application down to 0 degrees F (-18 degrees C) and suitable for continuous temperature environment up to 221 degrees F (105 degrees C).

B. Wire Pulling Lubricant:
1. Listed and labeled as complying with UL 267.
2. Suitable for use with conductors/cables and associated insulation/jackets to be installed.
3. Suitable for use at installation temperature.

C. Cable Ties: Material and tensile strength rating suitable for application.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that interior of building has been protected from weather.

B. Verify that work likely to damage wire and cable has been completed.

C. Verify that raceways, boxes, and equipment enclosures are installed and are properly sized to accommodate conductors and cables in accordance with NFPA 70.

D. Verify that field measurements are as indicated.

E. Verify that conditions are satisfactory for installation prior to starting work.

3.02 INSTALLATION

A. Circuiting Requirements:
   1. Unless dimensioned, circuit routing indicated is diagrammatic.
   2. When circuit destination is indicated without specific routing, determine exact routing required.

B. Install products in accordance with manufacturer's instructions.

C. Perform work in accordance with NECA 1 (general workmanship).

D. Install metal-clad cable (Type MC) in accordance with NECA 120.

E. Installation in Raceway:
   1. Tape ends of conductors and cables to prevent infiltration of moisture and other contaminants.
   2. Pull all conductors and cables together into raceway at same time.
   3. Do not damage conductors and cables or exceed manufacturer's recommended maximum pulling tension and sidewall pressure.
   4. Use suitable wire pulling lubricant where necessary, except when lubricant is not recommended by the manufacturer.

F. Paralleled Conductors: Install conductors of the same length and terminate in the same manner.

G. Secure and support conductors and cables in accordance with NFPA 70 using suitable supports and methods approved by the authority having jurisdiction. Provide independent support from building structure. Do not provide support from raceways, piping, ductwork, or other systems.

H. Terminate cables using suitable fittings.
   1. Metal-Clad Cable (Type MC):
      a. Use listed fittings.
      b. Cut cable armor only using specialized tools to prevent damaging conductors or insulation. Do not use hacksaw or wire cutters to cut armor.

I. Install conductors with a minimum of 12 inches (300 mm) of slack at each outlet.

J. Neatly train and bundle conductors inside boxes, wireways, panelboards and other equipment enclosures.

K. Group or otherwise identify neutral/grounded conductors with associated ungrounded conductors inside enclosures in accordance with NFPA 70.

L. Make wiring connections using specified wiring connectors.
   1. Make splices and taps only in accessible boxes. Do not pull splices into raceways or make splices in conduit bodies or wiring gutters.
   2. Remove appropriate amount of conductor insulation for making connections without cutting, nicking or damaging conductors.
   3. Do not remove conductor strands to facilitate insertion into connector.
   4. Clean contact surfaces on conductors and connectors to suitable remove corrosion, oxides, and other contaminates. Do not use wire brush on plated connector surfaces.

M. Insulate splices and taps that are made with uninsulated connectors using methods suitable for the application, with insulation and mechanical strength at least equivalent to unspliced conductors.

N. Insulate ends of spare conductors using vinyl insulating electrical tape.

O. Install firestopping to preserve fire resistance rating of partitions and other elements, using materials and methods specified in Section 078400.

P. Unless specifically indicated to be excluded, provide final connections to all equipment and devices, including those furnished by others, as required for a complete operating system.

END OF SECTION

SECTION 26 05 26 - GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Grounding and bonding requirements.

B. Conductors for grounding and bonding.

C. Connectors for grounding and bonding.

1.02 RELATED REQUIREMENTS

A. Section 260519 - Low-Voltage Electrical Power Conductors and Cables: Additional requirements for conductors for grounding and bonding, including conductor color coding.

1.03 REFERENCE STANDARDS

A. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

B. UL 467 - Grounding and Bonding Equipment Current Edition, Including All Revisions.

PART 2 PRODUCTS

2.01 GROUNDING AND BONDING REQUIREMENTS

A. Existing Work: Where existing grounding and bonding system components are reused, they may be reused only where they are free from corrosion, integrity and continuity are verified, and where acceptable to the authority having jurisdiction.

B. Do not use products for applications other than as permitted by NFPA 70 and product listing.

C. Unless specifically indicated to be excluded, provide all required components, conductors, connectors, conduit, boxes, fittings, supports, accessories, etc. as necessary for a complete grounding and bonding system.

D. Where conductor size is not indicated, size to comply with NFPA 70 but not less than applicable minimum size requirements specified.

E. Service-Supplied System Grounding:

1. For each service disconnect, provide grounding electrode conductor to connect neutral (grounded) service conductor to grounding electrode system. Unless otherwise indicated, make connection at neutral (grounded) bus in service disconnect enclosure.
2. For each service disconnect, provide main bonding jumper to connect neutral (grounded) bus to equipment ground bus where not factory-installed. Do not make any other connections between neutral (grounded) conductors and ground on load side of service disconnect.

2.02 GROUNDING AND BONDING COMPONENTS

A. General Requirements:
   1. Provide products listed, classified, and labeled as suitable for the purpose intended.
   2. Provide products listed and labeled as complying with UL 467 where applicable.

B. Conductors for Grounding and Bonding, in Addition to Requirements of Section 260526:
   1. Use insulated copper conductors unless otherwise indicated.
      a. Exceptions:
         1) Use bare copper conductors where installed underground in direct contact with earth.
         2) Use bare copper conductors where directly encased in concrete (not in raceway).

C. Connectors for Grounding and Bonding:
   1. Description: Connectors appropriate for the application and suitable for the conductors and items to be connected; listed and labeled as complying with UL 467.
   2. Unless otherwise indicated, use exothermic welded connections for underground, concealed and other inaccessible connections.
   3. Unless otherwise indicated, use mechanical connectors, compression connectors, or exothermic welded connections for accessible connections.

END OF SECTION

SECTION 26 05 29 HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS

PART 1 GENERAL

1.01 REFERENCE STANDARDS

A. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products 2017.

B. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware 2016a.

C. ASTM B633 - Standard Specification for Electrodeposited Coatings of Zinc on Iron and Steel 2019.

D. MFMA-4 - Metal Framing Standards Publication 2004.

E. NECA 1 - Standard for Good Workmanship in Electrical Construction 2015.

F. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

PART 2 PRODUCTS

2.01 SUPPORT AND ATTACHMENT COMPONENTS

A. General Requirements:
   1. Comply with the following. Where requirements differ, comply with most stringent.
      a. NFPA 70.
      b. Requirements of authorities having jurisdiction.
   2. Provide required hangers, supports, anchors, fasteners, fittings, accessories, and hardware as necessary for complete installation of electrical work.
   3. Provide products listed, classified, and labeled as suitable for purpose intended, where applicable.
   4. Where support and attachment component types and sizes are not indicated, select in accordance with manufacturer's application criteria as required for load to be supported. Include consideration for vibration, equipment operation, and shock loads where applicable.
   5. Do not use products for applications other than as permitted by NFPA 70 and product listing.
   6. Steel Components: Use corrosion-resistant materials suitable for environment where installed.
      a. Zinc-Plated Steel: Electroplated in accordance with ASTM B633.

b. Galvanized Steel: Hot-dip galvanized after fabrication in accordance with ASTM A123/A123M or ASTM A153/A153M.

B. Conduit and Cable Supports: Straps and clamps suitable for conduit or cable to be supported.
1. Conduit Straps: One-hole or two-hole type; steel or malleable iron.
2. Conduit Clamps: Bolted type unless otherwise indicated.

C. Outlet Box Supports: Hangers and brackets suitable for boxes to be supported.

D. Metal Channel/Strut Framing Systems:
1. Description: Factory-fabricated, continuous-slot, metal channel/strut and associated fittings, accessories, and hardware required for field assembly of supports.
2. Comply with MFMA-4.

E. Hanger Rods: Threaded, zinc-plated steel unless otherwise indicated.

F. Anchors and Fasteners:
1. Unless otherwise indicated and where not otherwise restricted, use anchor and fastener types indicated for specified applications.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that field measurements are as indicated.

B. Verify that mounting surfaces are ready to receive support and attachment components.

C. Verify that conditions are satisfactory for installation prior to starting work.

3.02 INSTALLATION

A. Install products in accordance with manufacturer's instructions.

B. Install hangers and supports in accordance with NECA 1.

C. Provide independent support from building structure. Do not provide support from piping, ductwork, or other systems.

D. Unless specifically indicated, do not provide support from suspended ceiling support system or ceiling grid.

E. Do not penetrate or otherwise notch or cut structural members without approval of Structural Engineer.

F. Equipment Support and Attachment:
   1. Use metal, fabricated supports or supports assembled from metal channel/strut to support equipment as required.
   2. Use metal channel/strut secured to studs to support equipment surface mounted on hollow stud walls when wall strength is not sufficient to resist pull-out.
   3. Use metal channel/strut to support surface-mounted equipment in wet or damp locations to provide space between equipment and mounting surface.
   4. Securely fasten floor-mounted equipment. Do not install equipment such that it relies on its own weight for support.

G. Secure fasteners in accordance with manufacturer's recommended torque settings.

H. Remove temporary supports.

END OF SECTION

SECTION 26 05 33.13 – CONDUIT FOR ELECTRICAL SYSTEMS

PART 1 GENERAL

1.01 RELATED REQUIREMENTS

A. Section 078400 - Firestopping.

B. Section 260519 - Low-Voltage Electrical Power Conductors and Cables: Cable assemblies consisting of conductors protected by integral metal armor.

C. Section 260526 - Grounding and Bonding for Electrical Systems.

D. Section 260529 - Hangers and Supports for Electrical Systems.

1.02 REFERENCE STANDARDS

A. ANSI C80.1 - American National Standard for Electrical Rigid Steel Conduit (ERSC) 2020.

B. ANSI C80.3 - American National Standard for Electrical Metallic Tubing -- Steel (EMT-S) 2020.

C. NECA 1 - Standard for Good Workmanship in Electrical Construction 2015.

D. NECA 101 - Standard for Installing Steel Conduits (Rigid, IMC, EMT) 2020.

E. NECA 111 - Standard for Installing Nonmetallic Raceways (RNC, ENT, LFNC) 2017.

F. NEMA FB 1 - Fittings, Cast Metal Boxes, and Conduit Bodies for Conduit, Electrical Metallic Tubing, and Cable 2014.

G. NEMA TC 2 - Electrical Polyvinyl Chloride (PVC) Conduit 2020.

H. NEMA TC 3 - Polyvinyl Chloride (PVC) Fittings for Use with Rigid PVC Conduit and Tubing 2021.

I. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

J. UL 1 - Flexible Metal Conduit Current Edition, Including All Revisions.

K. UL 6 - Electrical Rigid Metal Conduit-Steel Current Edition, Including All Revisions.

L. UL 6A - Electrical Rigid Metal Conduit-Aluminum, Red Brass, and Stainless Steel Current Edition, Including All Revisions.

M. UL 514B - Conduit, Tubing, and Cable Fittings Current Edition, Including All Revisions.

N. UL 651 - Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings Current Edition, Including All Revisions.

O. UL 797 - Electrical Metallic Tubing-Steel Current Edition, Including All Revisions.

1.03 ADMINISTRATIVE REQUIREMENTS

A. Coordination:
1. Coordinate minimum sizes of conduits with actual type and quantity of conductors to be installed, including adjustments for conductor sizes increased for voltage drop.
2. Coordinate arrangement of conduits with structural members, ductwork, piping, equipment, and other potential conflicts.
3. Verify exact conduit termination locations required for boxes, enclosures, and equipment.
4. Coordinate work to provide roof penetrations that preserve integrity of roofing system and do not void roof warranty.

PART 2 PRODUCTS

2.01 CONDUIT APPLICATIONS

A. Do not use conduit and associated fittings for applications other than as permitted by NFPA 70, manufacturer's instructions, and product listing.

B. Unless otherwise indicated and where not otherwise restricted, use conduit types indicated for specified applications. Where more than one listed application applies, comply with most restrictive requirements. Where conduit type for particular application is not specified, use galvanized steel rigid metal conduit.

C. Underground:
1. Exterior, Direct-Buried: Use galvanized steel rigid metal conduit (RMC) or stainless steel rigid metal conduit (RMC).
2. Exterior, Embedded Within Concrete: Use rigid PVC conduit.

D. Exposed, Interior, Not Subject to Physical Damage: Use galvanized steel rigid metal conduit (RMC), stainless steel rigid metal conduit (RMC), or galvanized steel electrical metallic tubing (EMT).

E. Concealed, Exterior, Not Embedded in Concrete or in Contact With Earth: Use galvanized steel rigid metal conduit (RMC), stainless steel rigid metal conduit (RMC), or galvanized steel electrical metallic tubing (EMT).

2.02 CONDUIT - GENERAL REQUIREMENTS

A. Comply with NFPA 70.

B. Provide conduit, fittings, supports, and accessories required for complete raceway system.

C. Provide products listed, classified, and labeled as suitable for purpose intended.

D. Minimum Conduit Size, Unless Otherwise Indicated:
1. Branch Circuits: 3/4-inch (21 mm) trade size.
2. Branch Circuit Homeruns: 3/4-inch (21 mm) trade size.

E. Where conduit size is not indicated, size to comply with NFPA 70 but not less than applicable minimum size requirements specified.

2.03 GALVANIZED STEEL RIGID METAL CONDUIT (RMC)

A. Manufacturers:
1. Allied Tube & Conduit, a division of Atkore International: www.alliedeg.com/#sle.
2. Nucor Tubular Products: www.nucortubular.com/#sle.
3. Western Tube, a division of Zekelman Industries: www.westerntube.com/#sle.

B. Description: NFPA 70, Type RMC galvanized steel rigid metal conduit complying with ANSI C80.1 and listed and labeled as complying with UL 6.

C. Fittings:
1. Nonhazardous Locations: Use fittings complying with NEMA FB 1 and listed and labeled as complying with UL 514B or UL 6.
2. Material: Use steel or malleable iron.
3. Connectors and Couplings: Use threaded type fittings only. Threadless fittings, including set screw and compression/gland types, are not permitted.

STAINLESS STEEL RIGID METAL CONDUIT (RMC)

D. Manufacturers:
1. Calbrite, a division of Atkore International: www.calbrite.com/#sle.
2. Gibson Stainless & Specialty Inc: www.gibsonstainless.com/#sle.
3. Patriot Industries, a division of Patriot Aluminum Products LLC: www.patriotsas.com/#sle.

E. Description: NFPA 70, Type RMC stainless steel rigid metal conduit complying with ANSI C80.1 and listed and labeled as complying with UL 6A.

F. Fittings:
1. Nonhazardous Locations: Use fittings complying with NEMA FB 1 and listed and labeled as complying with UL 514B or UL 6A.

2. Material: Use stainless steel with corrosion resistance equivalent to conduit.
3. Connectors and Couplings: Use threaded type fittings only. Threadless fittings, including set screw and compression/gland types, are not permitted.

FLEXIBLE METAL CONDUIT (FMC)

G. Manufacturers:
1. AFC Cable Systems, a division of Atkore International: www.afcweb.com/#sle.
2. Electri-Flex Company: www.electriflex.com/#sle.
3. International Metal Hose: www.metalhose.com/#sle.

H. Description: NFPA 70, Type FMC standard-wall steel flexible metal conduit listed and labeled as complying with UL 1, and listed for use in classified firestop systems.

I. Fittings:
1. Description: Fittings complying with NEMA FB 1 and listed and labeled as complying with UL 514B.
2. Material: Use steel or malleable iron.

GALVANIZED STEEL ELECTRICAL METALLIC TUBING (EMT)

J. Manufacturers:
1. Allied Tube & Conduit, a division of Atkore International: www.alliedeg.com/#sle.
2. Nucor Tubular Products: www.nucortubular/#sle.
3. Western Tube, a division of Zekelman Industries: www.westerntube.com/#sle.
4. Wheatland Tube, a division of Zekelman Industries: www.wheatland.com/#sle.

K. Description: NFPA 70, Type EMT galvanized steel electrical metallic tubing complying with ANSI C80.3 and listed and labeled as complying with UL 797.

L. Fittings:
1. Description: Fittings complying with NEMA FB 1 and listed and labeled as complying with UL 514B.
2. Material: Use steel or malleable iron.
3. Connectors and Couplings: Use compression/gland or set-screw type.
   a. Do not use indenter type connectors and couplings.
4. Damp or Wet Locations, Where Permitted: Use fittings listed for use in wet locations.

RIGID POLYVINYL CHLORIDE (PVC) CONDUIT

M. Manufacturers:
1. ABB; Carlon: www.carlon.com/#sle.
2. Allied Tube & Conduit, a division of Atkore International: www.alliedeg.com/#sle.
3. Cantex Inc: www.cantexinc.com/#sle.

N. Description: NFPA 70, Type PVC rigid polyvinyl chloride conduit complying with NEMA TC 2 and listed and labeled as complying with UL 651; Schedule 40 unless otherwise indicated,

Schedule 80 where subject to physical damage; rated for use with conductors rated 90 degrees C.

O. Fittings:
1. Manufacturer: Same as manufacturer of conduit to be connected.
2. Description: Fittings complying with NEMA TC 3 and listed and labeled as complying with UL 651; material to match conduit.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that field measurements are as indicated.

B. Verify that mounting surfaces are ready to receive conduits.

C. Verify that conditions are satisfactory for installation prior to starting work.

3.02 INSTALLATION

A. Install products in accordance with manufacturer's instructions.

B. Install conduit in accordance with NECA 1.

C. Install galvanized steel rigid metal conduit (RMC) in accordance with NECA 101.

D. Install rigid polyvinyl chloride (PVC) conduit in accordance with NECA 111.

E. Conduit Routing:
1. Unless dimensioned, conduit routing indicated is diagrammatic.
2. Conduits installed underground or embedded in concrete may be routed in shortest possible manner unless otherwise indicated. Route other conduits parallel or perpendicular to building structure and surfaces, following surface contours where practical.

F. Conduit Support:
1. Secure and support conduits in accordance with NFPA 70 using suitable supports and methods approved by authorities having jurisdiction; see Section 260529.
2. Provide independent support from building structure. Do not provide support from piping, ductwork, or other systems.

G. Connections and Terminations:
1. Use approved zinc-rich paint or conduit joint compound on field-cut threads of galvanized steel conduits prior to making connections.
2. Where two threaded conduits must be joined and neither can be rotated, use three-piece couplings or split couplings. Do not use running threads.

3. Use suitable adapters where required to transition from one type of conduit to another.
4. Terminate threaded conduits in boxes and enclosures using threaded hubs or double lock nuts for dry locations and raintight hubs for wet locations.
5. Provide insulating bushings, insulated throats, or listed metal fittings with smooth, rounded edges at conduit terminations to protect conductors.
6. Secure joints and connections to provide mechanical strength and electrical continuity.

H. Penetrations:
1. Do not penetrate or otherwise notch or cut structural members, including footings and grade beams, without approval of Structural Engineer.
2. Make penetrations perpendicular to surfaces unless otherwise indicated.
3. Provide sleeves for penetrations as indicated or as required to facilitate installation. Set sleeves flush with exposed surfaces unless otherwise indicated or required.
4. Conceal bends for conduit risers emerging above ground.
5. Where conduits penetrate waterproof membrane, seal as required to maintain integrity of membrane.
6. Make penetrations for roof-mounted equipment within associated equipment openings and curbs where possible to minimize roofing system penetrations. Where penetrations are necessary, seal as indicated or as required to preserve integrity of roofing system and maintain roof warranty.
7. Install firestopping to preserve fire resistance rating of partitions and other elements; see Section 078400.

I. Conduit Movement Provisions: Where conduits are subject to movement, provide expansion and expansion/deflection fittings to prevent damage to enclosed conductors or connected equipment. This includes, but is not limited to:
1. Where conduits cross structural joints intended for expansion, contraction, or deflection.
2. Where calculated in accordance with NFPA 70 for rigid polyvinyl chloride (PVC) conduit installed above ground to compensate for thermal expansion and contraction.
3. Where conduits are subject to earth movement by settlement or frost.

J. Conduit Sealing:
1. Use foam conduit sealant to prevent entry of moisture and gases. This includes, but is not limited to:
   a. Where conduits enter building from outside.
   b. Where service conduits enter building from underground distribution system.
   c. Where conduits enter building from underground.
   d. Where conduits may transport moisture to contact live parts.
2. Where conduits cross barriers between areas of potential substantial temperature differential, use foam conduit sealant at accessible point near penetration to prevent condensation. This includes, but is not limited to:
   a. Where conduits pass from outdoors into conditioned interior spaces.

b. Where conduits pass from unconditioned interior spaces into conditioned interior spaces.

K. Provide grounding and bonding; see Section 260526.

END OF SECTION

SECTION 26 05 53- IDENTIFICATION FOR ELECTRICAL SYSTEMS

PART 1 GENERAL

1.01 RELATED REQUIREMENTS

A. Section 099113 - Exterior Painting.

B. Section 099123 - Interior Painting.

C. Section 260519 - Low-Voltage Electrical Power Conductors and Cables: Color coding for power conductors and cables 600 V and less; vinyl color coding electrical tape.

PART 2 PRODUCTS

2.01 IDENTIFICATION REQUIREMENTS

A. Identification for Equipment:
   1. Use identification nameplate to identify each piece of electrical distribution and control equipment and associated sections, compartments, and components.
      a. Panelboards:
         1) Identify ampere rating.
         2) Identify voltage and phase.
         3) Identify power source and circuit number. Include location when not within sight of equipment.
         4) Use typewritten circuit directory to identify load(s) served for panelboards with a door. Identify spares and spaces using pencil.
         5) For power panelboards without a door, use identification nameplate to identify load(s) served for each branch device. Do not identify spares and spaces.
      b. Enclosed switches, circuit breakers, and motor controllers:
         1) Identify voltage and phase.
         2) Identify power source and circuit number. Include location when not within sight of equipment.
   2. Service Equipment:
      a. Use identification nameplate to identify each service disconnecting means.
      b. For buildings or structures supplied by more than one service, or any combination of branch circuits, feeders, and services, use identification nameplate or means of identification acceptable to authority having jurisdiction at each service disconnecting means to identify all other services, feeders, and branch circuits supplying that building or structure. Verify format and descriptions with authority having jurisdiction.
   3. Use identification nameplate to identify disconnect location for equipment with remote disconnecting means.
   4. Use identification label or handwritten text using indelible marker on inside of door at each fused switch to identify required NEMA fuse class and size.

5. Use identification label to identify overcurrent protective devices for branch circuits serving fire alarm circuits. Identify with text "FIRE ALARM CIRCUIT".

B. Identification for Conductors and Cables:
   1. Color Coding for Power Conductors 600 V and Less: Comply with Section 260519.
   2. Use identification nameplate or identification label to identify color code for ungrounded and grounded power conductors inside door or enclosure at each piece of feeder or branch-circuit distribution equipment when premises has feeders or branch circuits served by more than one nominal voltage system.

C. Identification for Raceways:
   1. Use voltage markers, color-coded bands, or factory-painted conduits to identify systems other than normal power system for accessible conduits.
      a. Maximum Intervals: 50 feet ([_____] m).
      b. Color-Coded Bands: Use field-painting or vinyl color coding electrical tape to mark bands 3 inches (76 mm) wide.
         1) Field-Painting: Comply with Section 099123 and 099113.
         2) Vinyl Color Coding Electrical Tape: Comply with Section 260519.
      c. Color Code:
         1) Fire Alarm System: Red.
   2. Use identification labels, handwritten text using indelible marker, or plastic marker tags to identify circuits enclosed for accessible conduits at wall penetrations, at floor penetrations, at roof penetrations, and at equipment terminations when source is not within sight.
   3. Use underground warning tape to identify underground raceways.

2.02 IDENTIFICATION NAMEPLATES AND LABELS

A. Identification Nameplates:
   1. Manufacturers:
      a. Brimar Industries, Inc: www.brimar.com/#sle.
      b. Kolbi Pipe Marker Co; [_____]: www.kolbipipemarkers.com/#sle.
      c. Seton Identification Products; [_____]: www.seton.com/#sle.
   2. Materials:
      a. Indoor Clean, Dry Locations: Use plastic nameplates.
      b. Outdoor Locations: Use plastic, stainless steel, or aluminum nameplates suitable for exterior use.
   3. Plastic Nameplates: Two-layer or three-layer laminated acrylic or electrically non-conductive phenolic with beveled edges; minimum thickness of 1/16 inch (1.6 mm); engraved text.
   4. Stainless Steel Nameplates: Minimum thickness of 1/32 inch (0.8 mm); engraved or laser-etched text.
   5. Aluminum Nameplates: Anodized; minimum thickness of 1/32 inch (0.8 mm); engraved or laser-etched text.

6. Mounting Holes for Mechanical Fasteners: Two, centered on sides for sizes up to 1 inch (25 mm) high; Four, located at corners for larger sizes.

B. Identification Labels:
1. Manufacturers:
a. Brady Corporation; [_____]: www.bradyid.com/#sle.
b. Brother International Corporation: www.brother-usa.com/#sle.
c. Panduit Corp: www.panduit.com/#sle.
2. Materials: Use self-adhesive laminated plastic labels; UV, chemical, water, heat, and abrasion resistant.
3. Text: Use factory pre-printed or machine-printed text. Do not use handwritten text unless otherwise indicated.

C. Format for Equipment Identification:
1. Minimum Size: 1 inch (25 mm) by 2.5 inches (64 mm).
2. Legend:
a. System designation where applicable:
1) Fire Alarm System: Identify with text "FIRE ALARM".
b. Equipment designation or other approved description.
3. Text: All capitalized unless otherwise indicated.
4. Minimum Text Height:
a. System Designation: 1 inch (25 mm).
b. Equipment Designation: 1/2 inch (13 mm).
5. Color:
a. Normal Power System: White text on black background.
1) 480Y/277 V, 3 Phase Equipment: White text on [_____] background.
2) 208Y/120 V, 3 Phase Equipment: White text on black background.
b. Fire Alarm System: White text on red background.

2.03 WIRE AND CABLE MARKERS

A. Manufacturers:
1. Brady Corporation; [_____]: www.bradyid.com/#sle.
2. HellermannTyton; [_____]: www.hellermanntyton.com/#sle.
3. Panduit Corp: www.panduit.com/#sle.

B. Markers for Conductors and Cables: Use wrap-around self-adhesive vinyl cloth, wrap-around self-adhesive vinyl self-laminating, heat-shrink sleeve, plastic sleeve, plastic clip-on, or vinyl split sleeve type markers suitable for the conductor or cable to be identified.

C. Markers for Conductor and Cable Bundles: Use plastic marker tags secured by nylon cable ties.

D. Legend: Power source and circuit number or other designation indicated.

E. Text: Use factory pre-printed or machine-printed text, all capitalized unless otherwise indicated.

F. Minimum Text Height: 1/8 inch (3 mm).

G. Color: Black text on white background unless otherwise indicated.

2.04 VOLTAGE MARKERS

A. Markers for Conduits: Use factory pre-printed self-adhesive vinyl, self-adhesive vinyl cloth, or vinyl snap-around type markers.

B. Minimum Size:
1. Markers for Conduits: As recommended by manufacturer for conduit size to be identified.

C. Legend:
1. Markers for System Identification:

D. Color: Black text on orange background unless otherwise indicated.

2.05 UNDERGROUND WARNING TAPE

A. Manufacturers:
1. Brady Corporation; [_____]: www.bradyid.com/#sle.
2. Brimar Industries, Inc: www.brimar.com/#sle.
3. Seton Identification Products; [_____]: www.seton.com/#sle.

B. Materials: Use non-detectable type polyethylene tape suitable for direct burial, unless otherwise indicated.

C. Non-detectable Type Tape: 6 inches (152 mm) wide, with minimum thickness of 4 mil (0.1 mm).

D. Legend: Type of service, continuously repeated over full length of tape.

E. Color:
1. Tape for Buried Power Lines: Black text on red background.

PART 3 EXECUTION

3.01 INSTALLATION

A. Install products in accordance with manufacturer's instructions.

B. Install identification products to be plainly visible for examination, adjustment, servicing, and maintenance. Unless otherwise indicated, locate products as follows:
   1. Surface-Mounted Equipment: Enclosure front.
   2. Flush-Mounted Equipment: Inside of equipment door.
   3. Free-Standing Equipment: Enclosure front; also enclosure rear for equipment with rear access.
   4. Elevated Equipment: Legible from the floor or working platform.
   5. Branch Devices: Adjacent to device.
   6. Interior Components: Legible from the point of access.
   7. Conduits: Legible from the floor.
   8. Conductors and Cables: Legible from the point of access.

C. Install identification products centered, level, and parallel with lines of item being identified.

D. Secure nameplates to exterior surfaces of enclosures using stainless steel screws and to interior surfaces using self-adhesive backing or epoxy cement.

E. Install self-adhesive labels and markers to achieve maximum adhesion, with no bubbles or wrinkles and edges properly sealed.

F. Install underground warning tape above buried lines with one tape per trench at 3 inches (75 mm) below finished grade.

G. Mark all handwritten text, where permitted, to be neat and legible.

END OF SECTION

SECTION 26 21 00 - LOW-VOLTAGE ELECTRICAL SERVICE ENTRANCE

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Electrical service requirements for building H (Wood Chipper Building).

1.02 RELATED REQUIREMENTS

A. Section 260519 - Low-Voltage Electrical Power Conductors and Cables.

B. Section 260526 - Grounding and Bonding for Electrical Systems.

C. Section 260529 - Hangers and Supports for Electrical Systems.

D. Section 260533.13 - Conduit for Electrical Systems.

E. Section 262816.16 - Enclosed Switches: Service entrance equipment.

1.03 DEFINITIONS

A. Service Point: The point of connection between the facilities of the serving utility and the premises wiring as defined in NFPA 70, and as designated by the Utility Company.

1.04 REFERENCE STANDARDS

A. IEEE C2 - National Electrical Safety Code(R) (NESC(R)) 2023.

B. NECA 1 - Standard for Good Workmanship in Electrical Construction 2015.

C. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

1.05 ADMINISTRATIVE REQUIREMENTS

A. Coordination:
   1. Verify the following with Utility Company representative:
      a. Utility Company requirements, including division of responsibility.
      b. Exact location and details of utility point of connection.
      c. Utility easement requirements.
      d. Utility Company charges associated with providing service.
   2. Coordinate the work with other trades to avoid placement of other utilities or obstructions within the spaces dedicated for electrical service and associated equipment.

3. Coordinate arrangement of service entrance equipment with the dimensions and clearance requirements of the actual equipment to be installed.
4. Notify Owner's Representative of any conflicts with or deviations from Contract Documents. Obtain direction before proceeding with work.

B. Arrange for Utility Company to provide permanent electrical service. Prepare and submit documentation required by Utility Company.

C. Utility Company charges associated with providing permanent service to be paid by Owner.

D. Preinstallation Meeting: Convene one week prior to commencing work of this section to review service requirements and details with Utility Company representative.

E. Scheduling:
1. Where work of this section involves interruption of existing electrical service, arrange service interruption with Owner' Representative.
2. Arrange for inspections necessary to obtain Utility Company approval of installation.

1.06 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide manufacturer's standard catalog pages and data sheets for each product. Include ratings, configurations, standard wiring diagrams, outline and support point dimensions, finishes, weights, service condition requirements, and installed features.

C. Project Record Documents: Record actual locations of equipment and installed service routing.

1.07 QUALITY ASSURANCE

A. Comply with the following:
1. IEEE C2 (National Electrical Safety Code).
2. NFPA 70 (National Electrical Code).
3. The requirements of the Utility Company.

PART 2 PRODUCTS

2.01 ELECTRICAL SERVICE REQUIREMENTS

A. Provide new electrical service consisting of all required conduits, conductors, equipment, metering provisions, supports, accessories, etc. as necessary for connection between Utility Company point of supply and service entrance equipment.

B. Electrical Service Characteristics: As indicated on drawings.

C. Division of Responsibility:
   1. Pole-Mounted Utility Transformers:
      a. Utility Poles: Furnished and installed by Utility Company.
      b. Transformers: Furnished and installed by Utility Company.
      c. Transformer Grounding Provisions: Furnished and installed by Utility Company.
      d. Primary: Furnished and installed by Utility Company.
      e. Secondary - Underground Service:
         1) Conduits: Furnished and installed by Contractor.
         2) Conductors: Furnished and installed by Contractor (Service Point at utility pole).
         3) utilize existing conduit where applicable.
   2. Terminations at Service Point: Provided by Utility Company.
   3. Metering Provisions:
      a. Meter Bases: Furnished and installed by Contractor per Utility Company requirements.

D. Products Furnished by Contractor: Comply with Utility Company requirements.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that field measurements are as indicated.

B. Verify that ratings and configurations of service entrance equipment are consistent with the indicated requirements.

C. Verify that conditions are satisfactory for installation prior to starting work.

3.02 PREPARATION

A. Verify and mark locations of existing underground utilities.

3.03 INSTALLATION

A. Install products in accordance with manufacturer's instructions and Utility Company requirements.

B. Perform work in accordance with NECA 1 (general workmanship).

C. Arrange equipment to provide minimum clearances and required maintenance access.

D. Provide required trenching and backfilling in accordance with Section 310650.

E. Provide required support and attachment components in accordance with Section 260529.

F. Provide grounding and bonding for service entrance equipment in accordance with Section 260526.

G. Identify service entrance equipment, including main service disconnect(s) in accordance with Section 260553.

3.04 PROTECTION

A. Protect installed equipment from subsequent construction operations.

END OF SECTION

SECTION 26 24 16 – PANELBOARDS

PART 1 GENERAL

1.01 RELATED REQUIREMENTS

A. Section 260526 - Grounding and Bonding for Electrical Systems.

B. Section 260529 - Hangers and Supports for Electrical Systems.

C. Section 262813 - Fuses: Fuses for fusible switches and spare fuse cabinets.

1.02 REFERENCE STANDARDS

A. FS W-C-375 - Circuit Breakers, Molded Case; Branch Circuit and Service 2013e (Amended 2017).

B. NECA 1 - Standard for Good Workmanship in Electrical Construction 2015.

C. NECA 407 - Standard for Installing and Maintaining Panelboards 2015.

D. NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum) 2020.

E. NEMA KS 1 - Heavy Duty Enclosed and Dead-Front Switches (600 Volts Maximum) 2013.

F. NEMA PB 1.1 - General Instructions for Proper Installation, Operation and Maintenance of Panelboards Rated 600 Volts or Less 2013.

G. NETA ATS - Standard For Acceptance Testing Specifications For Electrical Power Equipment And Systems 2021.

H. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

I. UL 50 - Enclosures for Electrical Equipment, Non-Environmental Considerations Current Edition, Including All Revisions.

J. UL 50E - Enclosures for Electrical Equipment, Environmental Considerations Current Edition, Including All Revisions.

K. UL 67 - Panelboards Current Edition, Including All Revisions.

L. UL 98 - Enclosed and Dead-Front Switches Current Edition, Including All Revisions.

M. UL 489 - Molded-Case Circuit Breakers, Molded-Case Switches and Circuit Breaker Enclosures Current Edition, Including All Revisions.

N. UL 869A - Reference Standard for Service Equipment Current Edition, Including All Revisions.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide manufacturer's standard catalog pages and data sheets for panelboards, enclosures, overcurrent protective devices, and other installed components and accessories.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. ABB/GE; [_____]: www.electrification.us.abb.com/#sle.

B. Eaton Corporation; [_____]: www.eaton.com/#sle.

C. Schneider Electric; Square D Products; [_____]: www.schneider-electric.us/#sle.

D. Siemens Industry, Inc; [_____]: www.usa.siemens.com/#sle.

2.02 PANELBOARDS - GENERAL REQUIREMENTS

A. Provide products listed, classified, and labeled as suitable for the purpose intended.

B. Short Circuit Current Rating:
1. Provide panelboards with listed short circuit current rating.

C. Panelboards Used for Service Entrance: Listed and labeled as suitable for use as service equipment according to UL 869A.

D. Mains: Configure for top or bottom incoming feed as indicated or as required for the installation.

E. Branch Overcurrent Protective Devices: Replaceable without disturbing adjacent devices.

F. Bussing: Sized in accordance with UL 67 temperature rise requirements.
1. Provide fully rated neutral bus unless otherwise indicated, with a suitable lug for each feeder or branch circuit requiring a neutral connection.
2. Provide solidly bonded equipment ground bus in each panelboard, with a suitable lug for each feeder and branch circuit equipment grounding conductor.

G. Conductor Terminations: Suitable for use with the conductors to be installed.

H. Enclosures: Comply with NEMA 250, and list and label as complying with UL 50 and UL 50E.
1. Environment Type per NEMA 250: Unless otherwise indicated, as specified for the following installation locations:
a. Indoor Clean, Dry Locations: Type 1.
b. Outdoor Locations: Type 3R.
2. Boxes: Galvanized steel unless otherwise indicated.
a. Provide wiring gutters sized to accommodate the conductors to be installed.
3. Fronts:
a. Fronts for Surface-Mounted Enclosures: Same dimensions as boxes.
4. Lockable Doors: All locks keyed alike unless otherwise indicated.

2.03 OVERCURRENT PROTECTIVE DEVICES

A. Fusible Switches:
1. Description: Quick-make, quick-break, dead-front fusible switch units complying with NEMA KS 1, and listed and labeled as complying with UL 98; ratings, configurations, and features as indicated on the drawings.
2. Fuse Clips: As required to accept indicated fuses.
3. Provide externally operable handle with means for locking in the OFF position. Provide means for locking switch cover in the closed position. Provide safety interlock to prevent opening the cover with the switch in the ON position with capability of overriding interlock for testing purposes.

B. Molded Case Circuit Breakers:
1. Description: Quick-make, quick-break, over center toggle, trip-free, trip-indicating circuit breakers listed and labeled as complying with UL 489, and complying with FS W-C-375 where applicable; ratings, configurations, and features as indicated on the drawings.
2. Interrupting Capacity:
a. Provide circuit breakers with interrupting capacity as required to provide the short circuit current rating indicated, but not less than:
1) 10,000 rms symmetrical amperes at 240 VAC or 208 VAC.
2) 14,000 rms symmetrical amperes at 480 VAC.
b. Fully Rated Systems: Provide circuit breakers with interrupting capacity not less than the short circuit current rating indicated.
3. Conductor Terminations:
a. Provide mechanical lugs unless otherwise indicated.
b. Lug Material: Copper, suitable for terminating copper conductors only.
4. Multi-Pole Circuit Breakers: Furnish with common trip for all poles.

PART 3 EXECUTION

3.01 INSTALLATION

A. Perform work in accordance with NECA 1 (general workmanship).

B. Install products in accordance with manufacturer's instructions.

C. Install panelboards in accordance with NECA 407 and NEMA PB 1.1.

D. Arrange equipment to provide minimum clearances in accordance with manufacturer's instructions and NFPA 70.

E. Provide required support and attachment in accordance with Section 260529.

F. Install panelboards plumb.

G. Mount panelboards such that the highest position of any operating handle for circuit breakers or switches does not exceed 79 inches (2000 mm) above the floor or working platform.

H. Provide grounding and bonding in accordance with Section 260526.

I. Install all field-installed branch devices, components, and accessories.

J. Provide fuses complying with Section 262813 for fusible switches as indicated.

K. Provide filler plates to cover unused spaces in panelboards.

3.02 FIELD QUALITY CONTROL

A. Inspect and test in accordance with NETA ATS, except Section 4.

B. Fusible Switches: Perform inspections and tests listed in NETA ATS, Section 7.5.1.1.

C. Molded Case Circuit Breakers: Perform inspections and tests listed in NETA ATS, Section 7.6.1.1 for all main circuit breakers. Tests listed as optional are not required.

D. Correct deficiencies and replace damaged or defective panelboards or associated components.

END OF SECTION

SECTION 26 28 13- FUSES

PART 1 GENERAL

1.01 RELATED REQUIREMENTS

A. Section 262416 - Panelboards: Fusible switches.

B. Section 262816.16 - Enclosed Switches: Fusible switches.

1.02 REFERENCE STANDARDS

A. NEMA FU 1 - Low Voltage Cartridge Fuses 2012.

B. UL 248-1 - Low-Voltage Fuses - Part 1: General Requirements Current Edition, Including All Revisions.

C. UL 248-10 - Low-Voltage Fuses - Part 10: Class L Fuses Current Edition, Including All Revisions.

D. UL 248-12 - Low-Voltage Fuses - Part 12: Class R Fuses Current Edition, Including All Revisions.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide manufacturer's standard data sheets including voltage and current ratings, interrupting ratings, time-current curves, and current limitation curves.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Bussmann, a division of Eaton Corporation; [_____]: www.cooperindustries.com/#sle.

B. Littelfuse, Inc; [_____]: www.littelfuse.com/#sle.

C. Mersen; [_____]: ep-us.mersen.com/#sle.

2.02 APPLICATIONS

A. Service Entrance:
   1. Fusible Switches up to 600 Amperes: Class RK1, time-delay.
   2. Fusible Switches Larger Than 600 Amperes: Class L, time-delay.

B. Feeders:
   1. Fusible Switches up to 600 Amperes: Class RK1, time-delay.
   2. Fusible Switches Larger Than 600 Amperes: Class L, time-delay.

C. General Purpose Branch Circuits: Class RK1, time-delay.

2.03 FUSES

A. Provide products listed, classified, and labeled as suitable for the purpose intended.

B. Unless specifically indicated to be excluded, provide fuses for all fusible equipment as required for a complete operating system.

C. Provide fuses of the same type, rating, and manufacturer within the same switch.

D. Comply with UL 248-1.

E. Unless otherwise indicated, provide cartridge type fuses complying with NEMA FU 1, Class and ratings as indicated.

F. Voltage Rating: Suitable for circuit voltage.

G. Class R Fuses: Comply with UL 248-12.

H. Class L Fuses: Comply with UL 248-10.

PART 3 EXECUTION

3.01 INSTALLATION

A. Do not install fuses until circuits are ready to be energized.

B. Install fuses with label oriented such that manufacturer, type, and size are easily read.

END OF SECTION

SECTION 26 28 16.13- ENCLOSED CIRCUIT BREAKERS

PART 1 GENERAL

1.01 RELATED REQUIREMENTS

A. Section 260526 - Grounding and Bonding for Electrical Systems.

B. Section 260529 - Hangers and Supports for Electrical Systems.

1.02 REFERENCE STANDARDS

A. FS W-C-375 - Circuit Breakers, Molded Case; Branch Circuit and Service 2013e (Amended 2017).

B. NECA 1 - Standard for Good Workmanship in Electrical Construction 2015.

C. NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum) 2020.

D. NETA ATS - Standard For Acceptance Testing Specifications For Electrical Power Equipment And Systems 2021.

E. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

F. UL 50 - Enclosures for Electrical Equipment, Non-Environmental Considerations Current Edition, Including All Revisions.

G. UL 50E - Enclosures for Electrical Equipment, Environmental Considerations Current Edition, Including All Revisions.

H. UL 489 - Molded-Case Circuit Breakers, Molded-Case Switches and Circuit Breaker Enclosures Current Edition, Including All Revisions.

I. UL 869A - Reference Standard for Service Equipment Current Edition, Including All Revisions.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide manufacturer's standard catalog pages and data sheets for circuit breakers, enclosures, and other installed components and accessories.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. ABB/GE; [_____]: www.electrification.us.abb.com/#sle.

B. Eaton Corporation; [_____]: www.eaton.com/#sle.

C. Schneider Electric; Square D Products; [_____]: www.schneider-electric.us/#sle.

D. Source Limitations: Furnish enclosed circuit breakers and associated components produced by the same manufacturer as the other electrical distribution equipment used for this project and obtained from a single supplier.

2.02 ENCLOSED CIRCUIT BREAKERS

A. Description: Units consisting of molded case circuit breakers individually mounted in enclosures.

B. Provide products listed, classified, and labeled as suitable for the purpose intended.

C. Unless otherwise indicated, provide products suitable for continuous operation under the following service conditions:
   1. Altitude: Less than 6,600 feet (2,000 m).
   2. Ambient Temperature: Between 23 degrees F (-5 degrees C) and 104 degrees F (40 degrees C).

D. Short Circuit Current Rating:
   1. Provide enclosed circuit breakers with listed short circuit current rating not less than the available fault current at the installed location indicated on the drawings.

E. Enclosed Circuit Breakers Used for Service Entrance: Listed and labeled as suitable for use as service equipment according to UL 869A.

F. Conductor Terminations: Suitable for use with the conductors to be installed.

G. Provide solidly bonded equipment ground bus in each enclosed circuit breaker, with a suitable lug for terminating each equipment grounding conductor.

H. Enclosures: Comply with NEMA 250, and list and label as complying with UL 50 and UL 50E.
   1. Environment Type per NEMA 250: Unless otherwise indicated, as specified for the following installation locations:
      a. Indoor Clean, Dry Locations: Type 1.
      b. Outdoor Locations: Type 3R.

I. Provide externally operable handle with means for locking in the OFF position.

2.03 MOLDED CASE CIRCUIT BREAKERS

A. Description: Quick-make, quick-break, over center toggle, trip-free, trip-indicating circuit breakers listed and labeled as complying with UL 489, and complying with FS W-C-375 where applicable; ratings, configurations, and features as indicated on the drawings.

B. Interrupting Capacity:
1. Provide circuit breakers with interrupting capacity as required to provide the short circuit current rating indicated, but not less than:
2. Fully Rated Systems: Provide circuit breakers with interrupting capacity not less than the short circuit current rating indicated.

C. Conductor Terminations:
1. Lug Material: Aluminum, suitable for terminating aluminum or copper conductors.

D. Multi-Pole Circuit Breakers: Furnish with common trip for all poles.

PART 3 EXECUTION

3.01 INSTALLATION

A. Install products in accordance with manufacturer's instructions.

B. Perform work in accordance with NECA 1 (general workmanship).

C. Arrange equipment to provide minimum clearances in accordance with manufacturer's instructions and NFPA 70.

D. Provide required support and attachment in accordance with Section 260529.

E. Install enclosed circuit breakers plumb.

F. Except where indicated to be mounted adjacent to the equipment they supply, mount enclosed circuit breakers such that the highest position of the operating handle does not exceed 79 inches (2000 mm) above the floor or working platform.

G. Provide grounding and bonding in accordance with Section 260526.

3.02 FIELD QUALITY CONTROL

A. Inspect and test in accordance with manufacturer's instructions and NETA ATS, except Section 4.

B. Perform inspections and tests listed in NETA ATS, Section 7.6.1.1 for circuit breakers used for service entrance and for circuit breakers larger than 100 amperes. Tests listed as optional are not required.

C. Correct deficiencies and replace damaged or defective enclosed circuit breakers.

END OF SECTION

SECTION 26 28 16.16- ENCLOSED SWITCHES

PART 1 GENERAL

1.01 RELATED REQUIREMENTS

A. Section 260526 - Grounding and Bonding for Electrical Systems.

B. Section 260529 - Hangers and Supports for Electrical Systems.

C. Section 262813 - Fuses.

1.02 REFERENCE STANDARDS

A. NECA 1 - Standard for Good Workmanship in Electrical Construction 2015.

B. NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum) 2020.

C. NEMA KS 1 - Heavy Duty Enclosed and Dead-Front Switches (600 Volts Maximum) 2013.

D. NETA ATS - Standard For Acceptance Testing Specifications For Electrical Power Equipment And Systems 2021.

E. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

F. UL 50 - Enclosures for Electrical Equipment, Non-Environmental Considerations Current Edition, Including All Revisions.

G. UL 50E - Enclosures for Electrical Equipment, Environmental Considerations Current Edition, Including All Revisions.

H. UL 98 - Enclosed and Dead-Front Switches Current Edition, Including All Revisions.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide manufacturer's standard catalog pages and data sheets for enclosed switches and other installed components and accessories.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. ABB/GE; [_____]: www.electrification.us.abb.com/#sle.

B. Eaton Corporation; [_____]: www.eaton.com/#sle.

C. Schneider Electric; Square D Products; [_____]: www.schneider-electric.us/#sle.

2.02 ENCLOSED SAFETY SWITCHES

A. Description: Quick-make, quick-break enclosed safety switches listed and labeled as complying with UL 98; heavy duty; ratings, configurations, and features as indicated on the drawings.

B. Provide products listed, classified, and labeled as suitable for the purpose intended.

C. Unless otherwise indicated, provide products suitable for continuous operation under the following service conditions:
   1. Altitude: Less than 6,600 feet (2,000 m).
   2. Ambient Temperature: Between -22 degrees F (-30 degrees C) and 104 degrees F (40 degrees C).

D. Voltage Rating: Suitable for circuit voltage.

E. Short Circuit Current Rating:
   1. Minimum Ratings:
      a. Switches Protected by Class H Fuses: 10,000 rms symmetrical amperes.
      b. General Duty Single Throw Switches Protected by Class R, Class J, or Class T Fuses: 100,000 rms symmetrical amperes.
      c. Heavy Duty Single Throw Switches Protected by Class R, Class J, Class L, or Class T Fuses: 200,000 rms symmetrical amperes.
      d. Double Throw Switches Protected by Class R, Class J, or Class T Fuses: 100,000 rms symmetrical amperes.

F. Provide with switch blade contact position that is visible when the cover is open.

G. Conductor Terminations: Suitable for use with the conductors to be installed.

H. Provide solidly bonded equipment ground bus in each enclosed safety switch, with a suitable lug for terminating each equipment grounding conductor.

I. Enclosures: Comply with NEMA 250, and list and label as complying with UL 50 and UL 50E.

1. Environment Type per NEMA 250: Unless otherwise indicated, as specified for the following installation locations:
    a. Indoor Clean, Dry Locations: Type 1.
    b. Outdoor Locations: Type 3R.

J. Provide safety interlock to prevent opening the cover with the switch in the ON position with capability of overriding interlock for testing purposes.

K. Heavy Duty Switches:
1. Comply with NEMA KS 1.
2. Conductor Terminations:
    a. Lug Material: Aluminum, suitable for terminating aluminum or copper conductors.
3. Provide externally operable handle with means for locking in the OFF position, capable of accepting three padlocks.

L. General Duty Switches:
1. Conductor Terminations:
    a. Provide mechanical lugs.
    b. Lug Material: Aluminum, suitable for terminating aluminum or copper conductors.
2. Provide externally operable handle with means for locking in the OFF position, capable of accepting two padlocks.

PART 3 EXECUTION

3.01 INSTALLATION

A. Install products in accordance with manufacturer's instructions.

B. Perform work in accordance with NECA 1 (general workmanship).

C. Arrange equipment to provide minimum clearances in accordance with manufacturer's instructions and NFPA 70.

D. Provide required support and attachment in accordance with Section 260529.

E. Install enclosed switches plumb.

F. Except where indicated to be mounted adjacent to the equipment they supply, mount enclosed switches such that the highest position of the operating handle does not exceed 79 inches (2000 mm) above the floor or working platform.

G. Provide grounding and bonding in accordance with Section 260526.

H. Provide fuses complying with Section 262813 for fusible switches as indicated or as required by equipment manufacturer's recommendations.

3.02 FIELD QUALITY CONTROL

A. See Section 014000 - Quality Requirements, for additional requirements.

B. Inspect and test in accordance with NETA ATS, except Section 4.

C. Perform inspections and tests listed in NETA ATS, Section 7.5.1.1.

D. Correct deficiencies and replace damaged or defective enclosed safety switches or associated components.

END OF SECTION

SECTION 28 46 00 – FIRE DETECTION AND ALARM

PART 1 - GENERAL

1.1 REFERENCE STANDARDS

A. 36 CFR 1191 - Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities; Architectural Barriers Act (ABA) Accessibility Guidelines current edition.

B. ADA Standards - 2010 ADA Standards for Accessible Design 2010.

C. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

D. NFPA 72 - National Fire Alarm and Signaling Code Most Recent Edition Cited by Referring Code or Reference Standard.

1.2 PROJECT CONDITIONS

A. The existing addressable fire alarm system supports buildings, A, B, C, D, E, and F. Buildings G and H are supported by a separate fire alarm system.
   1. Main control panel and call box/antenna for buildings A, B, C, D, E, and F is located in building A as indicated on drawings.
   2. Main control panel for buildings G and H is located in building H.

B. Burlington School District and specifically the existing buildings' fire alarm system are maintained, tested, and inspected by Safety Systems of Vermont, LLC. Contact: Andrew Cimonetti, (1)-802-879-7900.

1.3 SEQUENCING AND SCHEDULING

A. Existing Fire-Alarm Equipment: once disconnected from existing system, label existing fire-alarm equipment "NOT IN SERVICE" until removed from the building.

B. Interruption of Existing Fire-Alarm Service: Do not interrupt fire-alarm service to buildings unless permitted under the following conditions and then only after arranging to provide temporary guard service according to requirements indicated:
   1. Notify Owner's Representative, Construction Manager and Owner no fewer than fives days in advance of proposed interruption of fire-alarm service
   2. Notify the City of Burlington's Fire Department of interruption fives days in advance.
   3. Notify and coordination shut off with a representive from Safety Systems of Vermont.

C. Equipment Removal: Once each building is fully abateted and complete building demolition is to begin, remove existing fire-alarm equipment and wiring.
   1. All existing to be removed equipment except for notification and initiation devices associated with the main fire alarm control panel shall be turned over to owner.

D. Building A and B will be abateted and demolished first. Sequencing for the abeatment and demolition of buildings C, D, E, F, and G will be determined after bidding.

E. Contractor is responsible throughout the project for reconnection any existing fire alarm components to maintain the operation of the fire alarm system in each remaining building until such time the last building is to be fully demolished.

F. Reprogram existing to be relocated fire alarm control panel and existing monitoring/annunciator panels as required.
   1. Reprogramming of the system will be required each time a building is removed from the system.
   2. Reprogramming of building H's system will be required once building G is to be demolished.

G. Expand, modify, and supplement existing control and monitoring equipment as necessary to extend existing control and monitoring functions, as required. New components shall be capable of merging with existing configuration without degrading the performance of either system.
   1. Coordinate connections to new and existing to be relocated fire alarm control panel.

1.4 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Evidence of designer qualifications.

C. Design Documents: Submit all information required for plan review and permitting by authorities having jurisdiction, including but not limited to floor plans, riser diagrams, and description of operation:
   1. Copy (if any) of list of data required by authority having jurisdiction.
   2. NFPA 72 "Record of Completion", filled out to the extent known at the time.
   3. Clear and concise description of operation, with input/output matrix similar to that shown in NFPA 72 Appendix A-7-5-2.2(9), and complete listing of software required.
   4. System zone boundaries and interfaces to fire safety systems.
   5. Location of all components, circuits, and raceways; mark components with identifiers used in control unit programming.
   6. Manufacturer's detailed data sheet for each component, including wiring diagrams, installation instructions, and circuit length limitations.
   7. Description of power supplies; if secondary power is by battery include calculations demonstrating adequate battery power.

8. Certification by either the manufacturer of the control unit or by the manufacturer of each other component that the components are compatible with the control unit.
9. Certification by Contractor that the system design complies with Contract Documents.
10. Do not show existing components to be removed.

D. Inspection and Test Reports:
   1. Submit inspection and test plan prior to closeout demonstration.
   2. Submit documentation of satisfactory inspections and tests.
   3. Submit NFPA 72 "Inspection and Test Form," filled out.

E. Operating and Maintenance Data: See Section 017800 for additional requirements; revise and resubmit until acceptable; have one set available during closeout demonstration:
   1. Complete set of specified design documents, as approved by authority having jurisdiction.
   2. Additional printed set of project record documents and closeout documents, bound or filed in same manuals.
   3. Contact information for firm that will be providing contract maintenance and trouble call-back service.
   4. List of recommended spare parts, tools, and instruments for testing.
   5. Replacement parts list with current prices, and source of supply.
   6. Detailed troubleshooting guide and large scale input/output matrix.
   7. Preventive maintenance, inspection, and testing schedule complying with NFPA 72; provide printed copy and computer format acceptable to Owner.
   8. Detailed but easy to read explanation of procedures to be taken by non-technical administrative personnel in the event of system trouble, when routine testing is being conducted, for fire drills, and when entering into contracts for remodeling.

F. Project Record Documents: Have one set available during closeout demonstration:
   1. Complete set of floor plans showing actual installed locations of components, conduit, and zones.
   2. "As installed" wiring and schematic diagrams, with final terminal identifications.
   3. "As programmed" operating sequences, including control events by device, updated input/output chart, and voice messages by event.

G. Closeout Documents:
   1. Certification by manufacturer that the system has been installed in compliance with manufacturer's installation requirements, is complete, and is in satisfactory operating condition.
   2. NFPA 72 "Record of Completion", filled out completely and signed by installer and authorized representative of authority having jurisdiction.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Existing Fire Alarm System Honeywell Security & Fire Solutions/Gamewell-FCI; E3 Series. The system is propriatory.
   1. No substitutions permitted.
   2. Provide control units and initiating and notification appliances made by the same manufacturer.

2.2 FIRE ALARM SYSTEM

A. Fire Alarm System: Provide modifications and extensions to the existing automatic fire detection and alarm system:
   1. Provide all components necessary, regardless of whether shown in Contract Documents or not.
   2. Protected Premises: Entire building shown on drawings.
   3. Comply with the following; where requirements conflict, order of precedence of requirements is as listed:
      a. ADA Standards.
      b. The requirements of the State Fire Marshal.
      c. The requirements of the local authority having jurisdiction , which is the City of Burlington, VT Fire Department.
      d. Applicable local codes.
      e. Contract Documents (drawings and specifications).
      f. NFPA 72; where the word "should" is used consider that provision mandatory; where conflicts between requirements require deviation from NFPA 72, identify deviations clearly on design documents.
   4. Evacuation Alarm: Multiple smoke zones; allow for evacuation notification of any individual zone or combination of zones, in addition to general evacuation of entire premises.
   5. Voice Notification: Provide emergency voice/alarm communications with multichannel capability; digital.
   6. General Evacuation Zones: Each smoke zone is considered a general evacuation zone unless otherwise indicated, with alarm notification in all zones on the same floor, on the floor above, and the floor below.
   7. Program notification zones and voice messages as directed by Owner.
   8. Fire Alarm Control Unit: Existing, located at as indicated on drawings.

B. Supervising Stations and Fire Department Connections:
   1. Public Fire Department Notification: Via existing system.
   2. Means of Transmission to Remote Supervising Station: Existing SIG-Com Model DTX-16, long range radio alarm transceiver to Burlington Fire Department.

C. Circuits: Match Existing.

D. Power Sources:
   1. Primary: Dedicated branch circuits of the facility power distribution system.
   2. Secondary: Storage batteries.
   3. Capacity: Sufficient to operate entire system for period specified by NFPA 72.

2.3 EXISTING COMPONENTS

A. Existing Fire Alarm System: Remove existing system within each building completely after all abatement and selective interior demolition has occurred in each of the buildings.

B. Clearly label components that are "Not In Service."

C. Remove unused existing components and materials from site and dispose of properly.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install in accordance with applicable codes, NFPA 72, NFPA 70, and Contract Documents.

B. Connecting to Existing Equipment: Verify that existing fire-alarm is operational before making changes or connections.

C. Existing control panel and radio transceiver/antenna located in Building A shall be disconnected and installed in building E's first floor electrical room.

D. Connect existing equipment to relocated control panel, as required. Throughout

3.2 INSPECTION AND TESTING FOR COMPLETION

A. Perform tests and inspections.
   1. OwnrField Service: Engage a representative from Safety Systems of Vermont to inspect components, assemblies, and equipment installations, including connections, and to assist in testing.
   2. Visual Inspection: Conduct visual inspection prior to testing.
      a. Inspection shall be based on completed Record Drawings and system documentation that is required by NFPA 72 in its "Completion Documents, Preparation" Table in the "Documentation" Section of the "Fundamentals of Fire Alarm Systems" Chapter.
      b. Comply with "Visual Inspection Frequencies" Table in the "Inspection" Section of the "Inspection, Testing and Maintenance" Chapter in NFPA 72; retain the "Initial/Reacceptance" column and list only the installed components.

3. System Testing: Comply with "Test Methods" Table in the "Testing" Section of the "Inspection, Testing and Maintenance" Chapter in NFPA 72 and requirements of local authorities

B. Safety Systems of Vermont's representative shall prepare the "Fire Alarm System Record of Completion" in the "Documentation" Section of the "Fundamentals of Fire Alarm Systems" Chapter in NFPA 72 and the "Inspection and Testing Form" in the "Records" Section of the "Inspection, Testing and Maintenance" Chapter in NFPA 72.

C. Reacceptance Testing: Perform reacceptance testing to verify the proper operation of added or replaced devices and appliances.

D. Fire-alarm system will be considered defective if it does not pass tests and inspections.

E. Notify Owner's Representative 7 days prior to beginning completion inspections and tests.

F. Notify authorities having jurisdiction and comply with their requirements for scheduling inspections and tests and for observation by their personnel.

G. Provide all tools, software, and supplies required to accomplish inspection and testing.

H. Correct defective work, adjust for proper operation, and retest until entire system complies with Contract Documents.

3.1 CLOSEOUT

A. Closeout Demonstration: Demonstrate proper operation of all functions to Owner.
1. Be prepared to conduct any of the required tests.
2. Have at least one copy of operation and maintenance data, preliminary copy of project record drawings, input/output matrix, and operator instruction chart(s) available during demonstration.
3. Have authorized technical representative of control unit manufacturer present during demonstration.
4. Demonstration may be combined with inspection and testing required by authority having jurisdiction; notify authority having jurisdiction in time to schedule demonstration.
5. Repeat demonstration until successful.

END OF SECTION

SECTION 33 71 19 –ELECTRICAL UNDERGROUND DUCTS, DUCTBANKS, AND MANHOLES

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Conduit and duct:
   1. Galvanized steel rigid metal conduit (RMC).
   2. Rigid polyvinyl chloride (PVC) conduit.
   3. Polyvinyl chloride (PVC) plastic utilities duct.

1.2 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide for metallic conduit, nonmetallic conduit, and manhole accessories.

C. Shop Drawings: Indicate dimensions, reinforcement, size and locations of openings, and accessory locations for precast manholes.

PART 2 - PRODUCTS

2.1 CONDUIT AND DUCT

A. Galvanized Steel Rigid Metal Conduit (RMC): NFPA 70, Type RMC; comply with ANSI C80.1 and list and label as complying with UL 6.
   1. Manufacturers:
      a. Allied Tube & Conduit; [_____]: www.alliedeg.com/#sle.
      b. Republic Conduit; [_____]: www.republic-conduit.com/#sle.
      c. Wheatland Tube, a Division of Zekelman Industries; [_____]: www.wheatland.com/#sle.
   2. Fittings: Comply with NEMA FB 1 and list and label as complying with UL 514B; steel or malleable iron, threaded type.

B. Rigid Polyvinyl Chloride (PVC) Conduit: NFPA 70, Type PVC; comply with NEMA TC 2 and list and label as complying with UL 651; Schedule 40 unless otherwise indicated; rated for use with conductors rated 90 degrees C.
   1. Manufacturers:
      a. Cantex Inc; [_____]: www.cantexinc.com/#sle.
      b. Carlon, a brand of Thomas & Betts Corporation; [_____]: www.carlon.com/#sle.
      c. JM Eagle; [_____]: www.jmeagle.com/#sle.
   2. Fittings: Comply with NEMA TC 3 and list and label as complying with UL 651.

a. Manufacturer: Same as manufacturer of conduit to be connected.

C. Polyvinyl Chloride (PVC) Plastic Utilities Duct: Comply with NEMA TC 6&8 and ASTM F512; Type EB-20 listed and labeled as complying with UL 651 suitable for burial with concrete encasement.
   1. Manufacturers:
      a. Cantex Inc; [_____]: www.cantexinc.com/#sle.
      b. Carlon, a brand of Thomas & Betts Corporation; [_____]: www.carlon.com/#sle.
      c. JM Eagle; [_____]: www.jmeagle.com/#sle.
   2. Fittings: Comply with NEMA TC 9.
      a. Manufacturer: Same as manufacturer of duct to be connected.

2.2 ACCESSORIES

A. Duct Bank Spacers: Nonmetallic; designed for maintaining conduit/duct spacing for concrete encasement in open trench installation; suitable for the conduit/duct arrangement to be installed.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify that field measurements are as indicated.

B. Verify routing and termination locations of duct bank prior to excavation for rough-in.

C. Duct bank routing is shown in approximate locations unless dimensions are indicated. Route as required to complete duct system.

3.2 DUCT BANK INSTALLATION

A. Install duct with minimum slope of 4 inches per 100 feet (100 mm per 25.4 m) (0.33 percent). Slope duct away from building entrances.

B. Cut duct square using saw or pipe cutter; de-burr cut ends.

C. Insert duct to shoulder of fittings; fasten securely.

D. Install no more than equivalent of three 90-degree bends between pull points.

E. Provide suitable fittings to accommodate expansion and deflection where required.

F. Stagger duct joints vertically in concrete encasement 6 inches (150 mm) minimum.

G. Use suitable separators and chairs installed not greater than 4 feet (1200 mm) on centers.

H. Band ducts together before backfilling.

I. Securely anchor duct to prevent movement during concrete placement.

J. Place concrete under provisions of Section 033000. Use mineral pigment to color concrete red.

K. Provide minimum 3 inch (75 mm) concrete cover at bottom, top, and sides of ductbank.

L. Provide two No. 4 steel reinforcing bars in top of bank under paved areas.

M. Connect to existing concrete encasement using dowels.

N. Provide suitable pull string in each empty duct except sleeves and nipples.

O. Swab duct. Use suitable caps to protect installed duct against entrance of dirt and moisture.

END OF SECTION

LEGEND

- MOUNTING HEIGHTS SHALL BE AS INDICATED UNLESS SHOWN OTHERWISE ON ELECTRICAL DRAWINGS OR ARCHITECTURAL ELEVATIONS
- ALL SYMBOLS MAY NOT BE SHOWN ON PLANS

RACEWAYS AND WIRING

PB-2	HOMERUN TO PANELBOARD. "PB" DENOTES PANEL, "2" DENOTES CIRCUIT NUMBER, REFER TO PANELBOARD SCHEDULE FOR CIRCUIT SIZE AND BRANCH CIRCUIT SCHEDULE FOR FEEDER REQUIREMENTS
E	2#10,#10G EMERGENCY ONLY WIRING
CT	CABLE TRAY - REFER TO SPECIFICATIONS FOR REQUIREMENTS
J	J HOOKS 3'-0" ON CENTER
P	PRIMARY CONDUIT DUCT BANK
S	SECONDARY CONDUIT DUCT BANK
T	TELEPHONE SERVICE CONDUIT DUCT BANK
CATV	CABLE TELEVISION CONDUIT DUCT BANK
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	CONDUIT SLEEVE
	CONDUIT STUB

LIGHTING FIXTURES

A, PB-2a	LIGHT FIXTURE - PENDANT OR RECESSED MOUNTED. "A" DENOTES FIXTURE TYPE, "PB" DENOTES PANEL, "2" DENOTES CIRCUIT NUMBER, "a" DENOTES SWITCH CONTROL.
	LIGHT FIXTURE WIRED TO CONSTANT-ON OR EMERGENCY CIRCUIT
	STRIP LIGHT FIXTURE - SURFACE OR PENDANT MOUNT
	RECESSED OR SURFACE MOUNTED DOWNLIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	WALL WASH OR DIRECTIONAL LIGHTING FIXTURE
	CEILING MOUNTED ILLUMINATED EXIT SIGN, ARROWS AS INDICATED ON DRAWINGS
	WALL MOUNTED ILLUMINATED EXIT SIGN - SHADING INDICATES FACE PLATE(S)
EB	EMERGENCY BATTERY UNIT
	REMOTE EMERGENCY ONLY LIGHT HEADS - SINGLE OR DOUBLE AS SHOWN
WP	WEATHER PROOF EMERGENCY ONLY LIGHT FIXTURE
	POLE MOUNTED SITE LIGHTING FIXTURE

TELECOMMUNICATIONS (MOUNTED 18" AFF)

	TELEPHONE OUTLET
	DATA OUTLET
	COMBINATION TELEPHONE/DATA OUTLET
NOTE:	E.C. SHALL PROVIDE A DOUBLE GANG BACK BOX WITH SINGLE GANG REDUCER, 3/4" CONDUIT AND PULLSTRING STUBBED OUT ABOVE ACCESSIBLE CEILING.

MISCELLANEOUS

1	KEYED DRAWING NOTE MARKER
	FEEDER AND/OR BRANCH CIRCUIT NUMBER
AHU-1	DENOTES EQUIPMENT TYPE / DENOTES UNIT NUMBER
J	JUNCTION BOX WITH FLEXIBLE CONNECTION TO EQUIPMENT
CP	CONTROL PANEL
PB	PULL BOX - SIZED PER NEC FOR CONDUITS ENTERING AND LEAVING
TV	CABLE TELEVISION OUTLET, WALL MOUNTED. E.C. SHALL PROVIDE 3/4" EMPTY CONDUIT WITH PULL STRING TO NEAREST ACCESSIBLE CEILING. PROVIDE FACEPLATE WITH TYPE "F" CONNECTOR AT BOX.
P WP	PUSHBUTTON AND PLATE, "WP" DENOTES WEATHERPROOF
C	120 VOLT CLOCK HANGER OUTLET
C	CENTRAL SYSTEM CLOCK WIRED TO CORRECTIVE CLOCK WIRING SYSTEM 12" DIAMETER UNLESS OTHERWISE NOTED "SP" DENOTES SHATTER GUARD
C S	CLOCK/SPEAKER COMBINATION
B	BUZZER/BELL, LOW VOLTAGE
TL	LOW VOLTAGE TRANSFORMER
	MUSHROOM TYPE PUSHBUTTON STATION FOR ACTIVATION OF SHUNT-TRIP DEVICE ON INDICATED CIRCUIT BREAKER
KP	KEY PAD

RECEPTACLES (MOUNTED 18" AFF OR AS INDICATED ON ARCHITECTURAL PLANS)

IG PB-2	DUPLEX RECEPTACLE "PB" = PANEL, "2" = CIRCUIT NUMBER, "GFI" = GROUND FAULT CIRCUIT INTERRUPTER TYPE DEVICE "IG" = ISOLATED GROUND TYPE DEVICE "WP" = GROUND FAULT CIRCUIT INTERRUPTER TYPE DEVICE WITH A WEATHER PROOF COVER "T" = TAMPER RESISTANT TYPE DEVICE "EWC" = GFI DUPLEX RECEPTACLE FOR ELECTRIC WATER COOLER
	DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER TOP OR AS INDICATED ON ARCHITECTURAL PLANS
	DOUBLE DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER TOP OR AS INDICATED ON THE ARCHITECTURAL PLANS
	DOUBLE DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE ONE HALF SWITCH CONTROLLED

POWER DISTRIBUTION EQUIPMENT

	DISTRIBUTION PANEL
	PANELBOARD, SURFACE MOUNTED
	PANELBOARD, FLUSH MOUNTED
J	JUNCTION BOX, SIZED PER NEC
2	MOTOR, "2" DENOTES HORSEPOWER
	MAGNETIC MOTOR STARTER WITH ENCLOSURE, MINIMUM SIZE NEMA 1
P	MANUAL MOTOR STARTER WITH THERMAL OVERLOAD. "P" DENOTES PILOT LIGHT
30/3	NON-FUSED DISCONNECT SWITCH: "30/3" DENOTES 30 AMP/3 POLE SWITCH
30/20/3	FUSED DISCONNECT SWITCH: "30/20/3" DENOTES 30 AMP/3 POLE SWITCH, 20 AMP FUSES
	COMBINATION MAGNETIC STARTER AND FUSED DISCONNECT SWITCH. SIZE OF STARTER, SWITCH AND FUSE AS REQUIRED
T	TRANSFORMER. REFER TO DRAWING NOTES AND/OR ELECTRICAL ONE-LINE/RISE DIAGRAM FOR SPECIFICS
ATS	AUTOMATIC TRANSFER SWITCH
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
VFD	VARIABLE FREQUENCY DRIVE
	GROUND ROD, REFER TO PLANS FOR EXACT SIZE
	AUTOMATIC TRANSFER SWITCH
	CIRCUIT BREAKER
T3	DRY TYPE TRANSFORMER. "T3" DENOTES TRANSFORMER TYPE. REFER TO THE "DRY TYPE TRANSFORMER SCHEDULE" FOR FURTHER INFORMATION.
T3K	K-RATED DRY TYPE TRANSFORMER. "T3K" DENOTES TRANSFORMER TYPE. REFER TO THE "K-13 RATED DRY-TYPE TRANSFORMER SCHEDULE FOR FURTHER INFORMATION.
PB	PANELBOARD. "PB" DENOTES PANEL NAME

DEMOLITION NOTATION

	THICK, DARK SOLID LINES INDICATE NEW OR RELOCATED ITEMS OR NEW RACEWAY AND WIRING
	THIN, LIGHT SOLID LINES INDICATE EXISTING ITEMS OR RACEWAY TO REMAIN IN PLACE AND BE REUSED
	THICK, DASHED LINES INDICATE EXISTING ITEMS TO BE REMOVED
	POINT OF NEW TO EXISTING CONNECTION, INCLUDING TRANSITIONS
ETR	EXISTING EQUIPMENT TO REMAIN INTACT
ETD	EXISTING EQUIPMENT TO BE DISCONNECTED AND REMOVED
ETRL	EXISTING EQUIPMENT TO BE DISCONNECTED, REMOVED AND RELOCATED
RL	NEW LOCATION OF RELOCATED EQUIPMENT
NR	NEW EQUIPMENT TO REPLACE EXISTING
RR	REMOVE EQUIPMENT AND REPLACE ON NEW SURFACE
	AREA OF DEMOLITION. ALL EXISTING ELECTRICAL CONNECTIONS, DEVICES, FIXTURES, CONDUIT, WIRING, AND EQUIPMENT SHALL BE REMOVED.

FIRE ALARM SYSTEM LEGEND

F	MANUAL PULL STATION MOUNTED 48" AFF
M F	AUDIO/VISUAL ALARM MOUNTED 80" AFF. "M" DENOTES MINI-UNIT
	VISUAL ONLY UNIT MOUNTED 80" AFF.
I SD	PHOTOELECTRIC SMOKE DETECTOR: "I" DENOTES IONIZATION SMOKE DETECTOR
SS SD	SINGLE STATION 120V SMOKE DETECTOR
SD	SYSTEM SMOKE DETECTOR WITH SOUNDER BASE
HD 190°	135° FIXED TEMPERATURE HEAT DETECTOR. "190°" INDICATES 190°F FIXED TEMPERATURE
TS	SPRINKLER TAMPER SWITCH FURNISHED AND INSTALLED BY THE FIRE PROTECTION SUBCONTRACTOR, WIRED BY THE ELECTRICAL SUBCONTRACTOR
FS	SPRINKLER WATER FLOW SWITCH FURNISHED AND INSTALLED BY THE FIRE PROTECTION SUBCONTRACTOR, WIRED BY THE ELECTRICAL SUBCONTRACTOR.
DH	MAGNETIC DOOR HOLD OPEN DEVICE
M	FIRE ALARM MASTER BOX
SD	DUCT MOUNTED SMOKE DETECTOR WITH SAMPLING TUBE
RTS	REMOTE TEST STATION FOR DUCT SMOKE DETECTOR WITH NAMEPLATE LABELED ACCORDINGLY
RAI	REMOTE ALARM INDICATOR
FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM REMOTE ANNUNCIATOR
CM	ADDRESSABLE CONTROL MODULE
MM	ADDRESSABLE MONITOR MODULE
	EXTERIOR FIRE ALARM BEACON
K	KNOX BOX
AID	ADDRESSABLE INTERFACE DEVICE
	CEILING MOUNTED AUDIO/VISUAL ALARM DEVICE
	CEILING MOUNTED VISUAL ALARM DEVICE

ABBREVIATIONS

3R	NEMA 3R RATING
4X	NEMA 4X RATING
A	AMPERES
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
ARCH	ARCHITECT
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
C/B	CIRCUIT BREAKER
C.T.	CURRENT TRANSFORMER
CAT	CATALOG
CKT	CIRCUIT
CU	COPPER
DWG	DRAWING
E	WIRED ON EMERGENCY CIRCUIT
EC	ELECTRICAL CONTRACTOR
EM	EMERGENCY
ETD	EXISTING TO BE DEMOLISHED
ETR	EXISTING TO REMAIN
ETRL	EXISTING TO BE RELOCATED
ETRP	EXISTING TO BE REPLACED
G	GROUND
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER
HVAC	HEATING, VENTILATION, AIR CONDITIONING CONTRACTOR
IG	ISOLATED GROUND
KCMIL	ONE THOUSAND CIRCULAR MILS
KVA	KILOVOLT-AMPERES
KVAR	KILOVOLT-AMPERES REACTIVE
KW	KILOWATTS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MLO	MAIN LUGS ONLY
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
ø	PHASE
P	POLE
PC	PLUMBING CONTRACTOR
P.T.	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE
RL	NEW LOCATION OF RELOCATED DEVICE
SM	SURFACE MOUNT
ST	SHUNT TRIP
T/D	TEL/DATA
TEL	TELEPHONE
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
V	VOLT
VIF	VERIFY IN FIELD
W	WATT
WP	WEATHERPROOF
XFMR	TRANSFORMER

GENERAL NOTES:

1. ALL ELECTRICAL WORK SHALL BE DEMOLISHED IN ACCORDANCE WITH THE DRAWINGS AND THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL STATE AND LOCAL CODES AND AMENDMENTS.
2. THE CONTRACTOR SHALL OBTAIN AND BEAR THE COST OF ALL PERMITS REQUIRED TO PERFORM THE WORK.
3. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC (EXCEPT WHERE DIMENSIONED) AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEM AND WORK. CONTRACTOR SHALL VERIFY FIELD CONDITIONS FOR QUANTITY, AND LOCATION OF ALL EXISTING ELECTRICAL SYSTEM COMPONENTS AND CONNECTIONS.
4. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO IDENTIFY AND DISCONNECT ALL EXISTING EQUIPMENT FED FROM THE ELECTRICAL SYSTEM.
5. COORDINATE CONDUITS ENTERING OR LEAVING THE BUILDING WITH THE CIVIL DEMOLITION DRAWINGS AND THE SITE CONTRACTOR(S). COORDINATE WITH THE UTILITY COMPANY THE TERMINATION OF THE EXISTING ELECTRICAL SERVICE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND PROVIDING TEMPORARY UTILITY SERVICE AND POWER DURING DEMOLITION AS REQUIRED.

DEMOLITION NOTES:

1. BUILDING A, B, C, D, E, F, AND G WILL BE DEMOLISHED IN THEIR ENTIRETY. IN SUCCESSION. POWER AND FIRE ALARM SYSTEM SHALL BE MAINTAINED IN BLDGS. C, D, E, F, AND G UNTIL SUCH TIME THAT THE BLDG HAS GONE THROUGH ABATEMENT AND IS READY TO BE DEMOLISHED. ALL ELEC. AND FIRE ALARM EQUIPMENT INDICATED SHALL BE DEMOLISHED ONCE ABATEMENT IN THAT BEUILDING HAS OCCURRED. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY TEMPORARY LIGHTING OR POWER WITHIN A BLDG AS REQUIRED DURING DEMOLITION OF THAT SPECIFIC BLDG.
2. NOT ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, CONNECTIONS, WIRING, CONDUIT, AND FIXTURES ARE SHOWN BUT SHALL BE DEMOLISHED UNDER THIS PROJECT. EXISTING ELECTRICAL EQUIPMENT INDICATED ON PLANS HAS BEEN DERIVED FROM THE BEST AVAILABLE EXISTING DRAWINGS AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION AS REQUIRED.
3. WHERE WIRING IS TO BE REMOVED, THE CONTRACTOR SHALL TAKE PRECAUTIONS AND ASSUME THAT THE CIRCUIT MAY BE ACTIVE. CONTRACTOR SHALL TEST, VERIFY AND SECURE ALL CIRCUITS BEFORE REMOVAL. UNKNOWN WIRING SHALL BE IDENTIFIED. ANY WIRING TO REMAIN SHALL BE VERIFIED BY THE CONTRACTOR, TAGGED AND IDENTIFIED AS REQUIRED.
4. EXISTING ELECTRICAL EQUIPMENT AND DEVICES TO BE REMOVED (SHOWN AS DARK DASHED LINETYPES ON PLANS) SHALL BE REMOVED COMPLETELY INCLUDING ALL CONDUIT, WIRING AND ASSOCIATED APPURTENANCES BACK TO EXISTING POWER SOURCE OR TO THE NEAREST ACCESSIBLE JUNCTION POINT OUTSIDE OF THE CONSTRUCTION AREA IF THE REMAINING PORTION OF THE CIRCUIT SERVES EXISTING EQUIPMENT TO REMAIN IN TEMPORARY SERVICE UNTIL DEMOLITION IS COMPLETE. EXISTING CONDUITS TO BE REMOVED, WHICH ARE EMBEDDED IN A CONCRETE SLAB, SHALL HAVE THE WIRING REMOVED AND THE CONDUIT CUT FLUSH WITH CONCRETE AND SEALED IN AN APPROVED MANNER.
5. OWNER AND CODE REQUIRED SYSTEMS THAT ARE REQUIRED TO REMAIN ACTIVE DURING CONSTRUCTION SHALL BE TEMPORARILY WIRED AS REQUIRED AND SHALL REMAIN ACTIVE THROUGHOUT THE CONSTRUCTION PERIOD UNTIL DEMOLITION HAS FINALIZED OR APPROVED BY AHJ.
6. IN CONDITIONS WHERE IN THE OPINION OF THE CONTRACTOR IT IS NOT CLEAR WHETHER EXISTING ELECTRICAL EQUIPMENT IS TO BE REMOVED OR REMAIN, IT SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR REVIEW AND FINAL DECISION.
7. ANY DISRUPTION OF ANY ELECTRICAL SERVICE NECESSITATED BY THE ELECTRICAL DEMOLITION SHALL BE COORDINATED WITH THE OWNER. A MINIMUM OF 72 HOURS NOTICE SHALL BE GIVEN PRIOR TO THE DISCONNECTION OF ANY SERVICE. ANY DISRUPTION OF FIRE ALARM SERVICE SHALL BE COORDINATED WITH THE OWNER AND FIRE DEPARTMENT.
8. EXISTING ELECTRICAL EQUIPMENT REMOVED SHALL BE BROKEN DOWN INTO MANAGEABLE LENGTHS FOR STORAGE, HANDLING AND DISPOSAL. EQUIPMENT REMOVED OF MATERIAL VALUE SHALL BE TURNED OVER TO THE OWNER FOR FINAL DISPOSITION.
9. ELECTRICAL DEMOLITION WORK SHALL BE ACCOMPLISHED IN CONFORMANCE WITH THE REQUIREMENTS OF THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE.
10. DISCONNECT AND MAKE SAFE ALL ELECTRICAL EQUIPMENT IDENTIFIED ON THE HVAC AND PLUMBING PLANS.
11. BUILDING H IS OUT OF SCOPE. BUILDING A, B, C, D, E, F, AND G WILL BE DEMOLISHED IN THEIR ENTIRETY.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1	11/17/2022	ADDENDUM 1		

SCALE: HORZ.: NOT TO SCALE VERT.:
DATUM: HORZ.: VERT.:
GRAPHIC SCALE 0 1

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BURLINGTON SCHOOL DISTRICT
ELECTRICAL NOTES, ABBREVIATIONS AND LEGEND
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400.A10
DATE: SEPTEMBER 2022

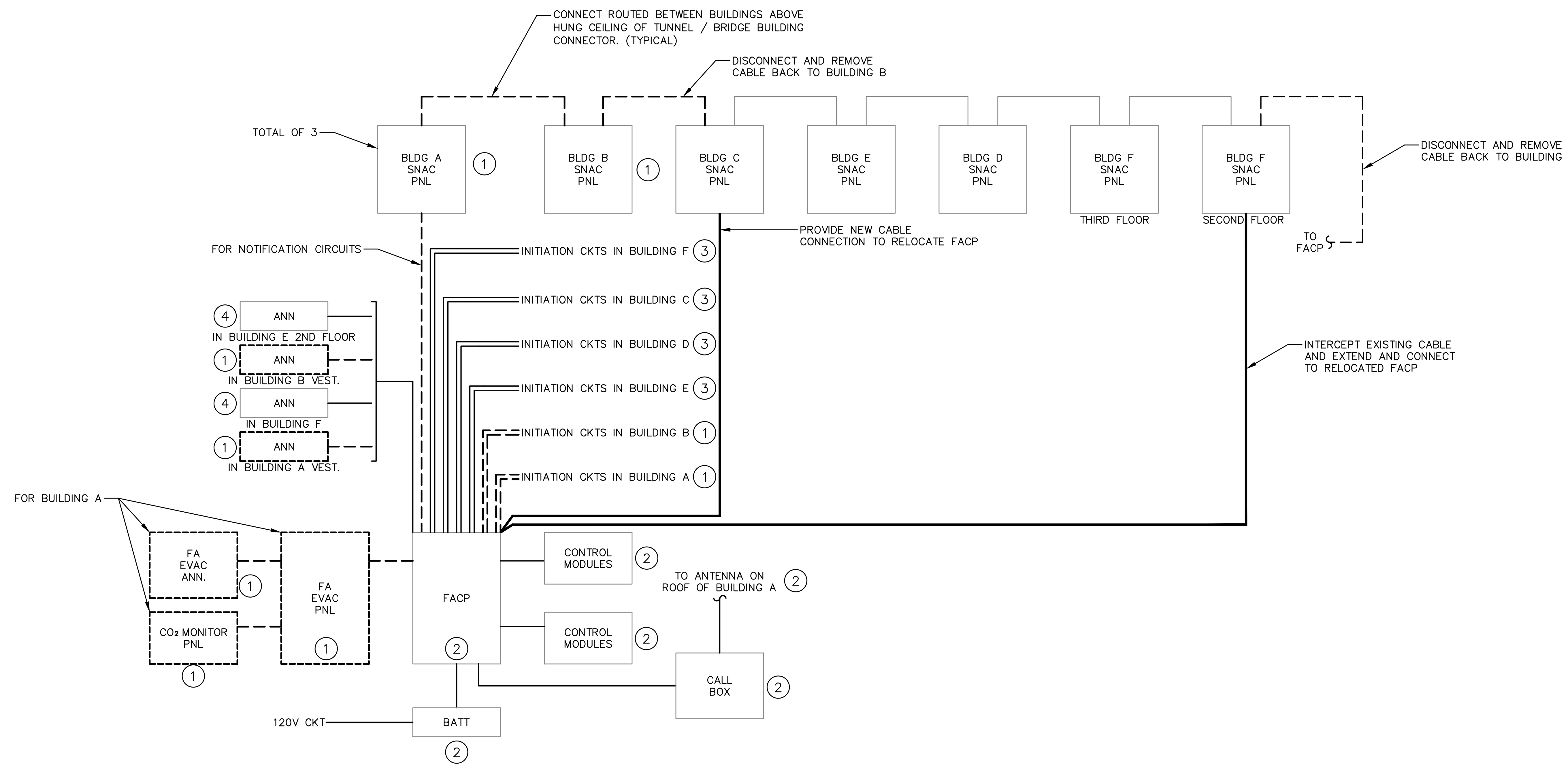
E-01

THREE PHASE CIRCUIT SCHEDULE

COPPER CONDUCTORS ABOVE GROUND (SEE NOTES)

CIRCUIT SYMBOL	CONDUCTORS IN EACH CONDUIT 3 PHASE, 3 WIRE & GROUND	CONDUIT SIZE	CONDUCTORS IN EACH CONDUIT 3 PHASE, 4 WIRE & GROUND	CONDUIT SIZE	CIRCUIT OR OVERCURRENT RATING 3POLE
1	3#12&1#12G	1/2"	4#12&1#12G	1/2"	15A
2	3#12&1#12G	1/2"	4#12&1#12G	1/2"	20A
2/5	3#10&1#10G	1/2"	4#10&1#10G	1/2"	25A
3	3#10&1#10G	1/2"	4#10&1#10G	1/2"	30A
3/5	3#8&1#10G	3/4"	4#8&1#10G	3/4"	35A
4	3#8&1#10G	3/4"	4#8&1#10G	3/4"	40A
4/5	3#6&1#10G	3/4"	4#6&1#10G	1"	45A
5	3#6&1#10G	3/4"	4#6&1#10G	1"	50A
6	3#6&1#10G	3/4"	4#6&1#10G	1"	60A
7	3#4&1#8G	1"	4#4&1#8G	1 1/4"	70A
8	3#3&1#8G	1 1/4"	4#3&1#8G	1 1/4"	80A
9	3#3&1#8G	1 1/4"	4#3&1#8G	1 1/4"	90A
10	3#1&1#6G	1 1/2"	4#1&1#6G	1 1/2"	100A
11	3#1&1#6G	1 1/2"	4#1&1#6G	1 1/2"	110A
12	3#1&1#6G	1 1/2"	4#1&1#6G	1 1/2"	125A
15	3#1/0&1#6G	1 1/2"	4#1/0&1#6G	2"	150A
17	3#2/0&1#6G	1 1/2"	4#2/0&1#6G	2"	175A
20	3#3/0&1#6G	2"	4#3/0&1#6G	2"	200A
22	3#4/0&1#4G	2 1/2"	4#4/0&1#4G	2 1/2"	225A
25	3#250KCMIL&1#4G	2 1/2"	4#250KCMIL&1#4G	3"	250A
30	3#350KCMIL&1#4G	3"	4#350KCMIL&1#4G	3"	300A
35	3#500KCMIL&1#3G	4"	4#500KCMIL&1#3G	4"	350A
40	3#500KCMIL&1#5G	4"	4#500KCMIL&1#3G	4"	400A
45	3#4/0&1#2G	(2)3"	4#4/0&1#2G	(2)3"	450A
50	3#250KCMIL&1#2G	(2)3"	4#250KCMIL&1#2G	(2)3"	500A
60	3#350KCMIL&1#1G	(2)3"	4#350KCMIL&1#1G	(2)3"	600A
70	3#500KCMIL&1#1/0G	(2)3 1/2"	4#500KCMIL&1#1/0G	(2)4"	700A
80	3#600KCMIL&1#1/0G	(2)3 1/2"	4#600KCMIL&1#1/0G	(2)4"	800A
90	3#350KCMIL&1#2/0G	(3)3"	4#350KCMIL&1#2/0G	(3)3"	900A
100	3#500KCMIL&1#2/0G	(3)3 1/2"	4#500KCMIL&1#2/0G	(3)3 1/2"	1000A
120	3#600KCMIL&1#3/0G	(3)4"	4#600KCMIL&1#3/0G	(3)4"	1200A
160	3#600KCMIL&1#4/0G	(4)4"	4#600KCMIL&1#4/0G	(4)4"	1600A
200	3#600KCMIL&1#250KCMIL G	(5)4"	4#600KCMIL&1#250KCMIL G	(5)4"	2000A
250	3#600KCMIL&1#350KCMIL G	(6)4"	4#600KCMIL&1#350KCMIL G	(6)4"	2500A
300	3#500KCMIL&1#500KCMIL G	(8)3"	4#500KCMIL&1#500KCMIL G	(8)4"	3000A
320	3#600KCMIL&1#500KCMIL G	(8)4"	4#600KCMIL&1#500KCMIL G	(8)4"	3200A
400	3#600KCMIL&1#500KCMIL G	(10)4"	4#600KCMIL&1#500KCMIL G	(10)4"	4000A

1. UNLESS OTHERWISE INDICATED, CONDUCTOR SIZING SHALL MATCH THE SIZE INDICATED ABOVE FOR THE APPLICABLE OVERCURRENT DEVICE. PROVIDE LARGER CIRCUIT WHERE INDICATED.
2. PROVIDE MINIMUM SIZE CONDUIT INDICATED IN THE SPECIFICATIONS OR ON THE DRAWINGS.
3. PROVIDE 4 WIRE CIRCUIT UNLESS DEVICE SERVED DOES NOT HAVE PROVISIONS FOR A NEUTRAL CONNECTION.
4. MINIMUM SIZE CONDUIT UNDERGROUND IS ONE STANDARD ELECTRICAL SIZE LARGER THAN INDICATED IN THE SCHEDULE. PROVIDE LARGER CONDUIT WHERE SPECIFICALLY INDICATED OTHERWISE.
5. PROVIDE TYPE OF RACEWAY OR CABLE AS INDICATED IN SPECIFICATIONS OR ON THE DRAWINGS.



FIRE ALARM RISER

GENERAL NOTES

1. EXISTING FIRE ALARM SYSTEM IS BY GAMEWELL FCI (BY HONEYWELL), E3 SERIES, WHICH IS PROPRIETARY AND ADDRESSABLE. NEW DEVICES AND EQUIPMENT SHALL MATCH MANUFACTURER AND BE COMPATIBLE WITH THE SYSTEM
2. FA SYSTEM IS MAINTAINED AND TESTED BY SAFETY SYSTEMS OF VERMONT, LLC (SSV) (CONTACT ANDREW CIMONETTI, 802–879–7900). CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING SSV'S SERVICES FOR COORDINATION, VERIFICATION, TESTING, AND PROGRAMMING TO MAINTAIN A WORKING AND COMPLETE FA SYSTEM THROUGHOUT THE ABATEMENT AND DEMOLITION PHASES.
3. DEVICES AND CIRCUITS ARE ILLUSTRATED FOR TYPICAL ARRANGEMENT ONLY. FIELD VERIFY QUANTITY AND LOCATION.
4. PRIOR TO BID AND ANY WORK, THE CONTRACTOR SHALL COORDINATE WITH THE BLDG'S REPRESENTATIVE FOR FIRE ALARM SYSTEMS AND THE EXISTING FA SYSTEM'S MANUFACTURER AND SERVICEMEN OF THE BUILDING. (SEE NOTE 1 AND 2.)
5. PROVIDE ALL RELAYS, (ADDRESSABLE) MODULES, ENCLOSURES, BATTERIES, ELECTRONIC CARDS, AMPLIFIERS, LABELING, TESTING, AND PROGRAMMING REQUIRED TO ADD, REMOVE, AND/OR MODIFY EXISTING CIRCUITS AND FIRE ALARM CONTROL PANEL DURING ALL DEMOLITION PHASES.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR UPDATING ALL EXISTING ANNUNCIATOR PANELS WITHIN THE BUILDINGS EACH DEMOLITION PHASE.
7. MAINTAIN AND PROTECT ALL EXISTING FIRE ALARM SYSTEM DEVICES DURING ALL OF DEMOLITION.
8. PROVIDE CONDUCTORS/CABLES PER APPROVED MANUFACTURER'S DIRECTION AND SHALL MATCH EXISTING.
9. ALL TEMPORARY SHUTDOWNS OF THE EXISTING FIRE ALARM SYSTEM SHALL BE COORDINATED WITH THE FIRE DEPARTMENT.
10. CONTRACTOR SHALL CARRY FULLY FUNCTIONAL, OPERATIONAL, AND CODE COMPLIANT FIRE ALARM SYSTEM.ALL COSTS FOR THE FIRE ALARM AS IT RELATES TO THE WORK INDICATED ON THE DRAWINGS, THE EXISTING EQUIPMENT AND WIRING
11. PROGRAMMING AND INDEPENDENT TESTING SHALL BE CONDUCTED BY SSV. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE SERVICES OF SSV FOR EACH TIME A BUILDING IS TO BE DEMOLISHED.

KEY NOTES:

(1) DISCONNECT AND REMOVE INITIATION CIRCUITS, ANNUNCIATOR, SNAC PNL, FA EVAL. SYSTEM, CO2 MONITORING SYSTEM, AND ALL OTHER ASSOCIATED DEVICES, SERVING BUILDING A AND B AFTER ABATEMENT BUT PRIOR TO DEMOLITION.

(2) DISCONNECT AND CAREFULLY RELOCATE EXISTING FA CONTROL PANEL AND BATTERY CONTROL MODULES (AS REQUIRED), CALL BOX, AND ANTENNA TO BLDG E'S 1ST FLOOR ELECTRICAL ROOM (ANTENNA TO BE RELOCATED ON BUILDING E'S ROOF). DISCONNECT AND RELOCATE AFTER BLDG A AND B ABATEMENT BUT PRIOR TO DEMOLITION OF THE BUILDINGS.

(3) EXTEND EXISTING INITIATION CKT AND LOOP AND RECONNECT TO RELOCATED FACP.

(4) EXTEND EXISTING FA CABLE AND RECONNECT EXISTING ANNUNCIATORS TO RELOCATED FACP.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1	11/17/2022	ADDENDUM 1		

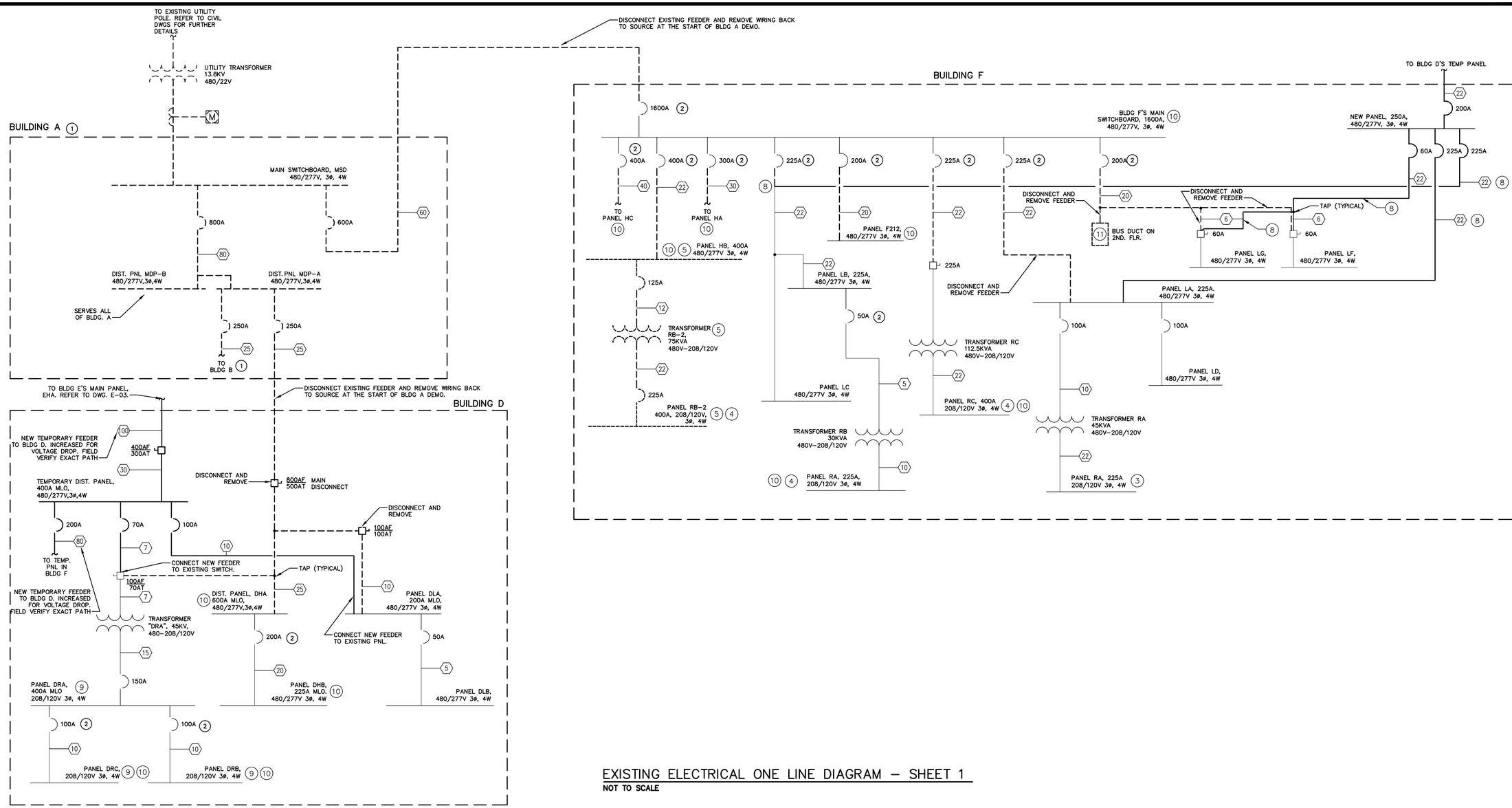
SCALE: HORZ.: NOT TO SCALE VERT.:
DATUM: HORZ.: VERT.:
GRAPHIC SCALE

FUSS & O'NEILL
www.fando.com

BURLINGTON SCHOOL DISTRICT
ELECTRICAL SCHEDULES AND FIRE ALARM RISER DIAGRAM
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400.A10
DATE: SEPTEMBER 2022

E-02



EXISTING ELECTRICAL ONE LINE DIAGRAM – SHEET 1

NOT TO SCALE

KEY NOTES:

1. ALL DISTRIBUTION EQUIPMENT IN BUILDING A AND B SHALL BE DISCONNECTED AND REMOVED AFTER ABATEMENT OF BLDGS BUT PRIOR TO DEMOLITION OF BUILDINGS. EXISTING CIRCUITS SERVING FIRE ALARM DEVICES OR EGRESS LIGHTING OUTSIDE THE DEMOLITION AREA OF BLDG A AND B SHALL BE REFED FROM BLDG E'S ELECTRICAL DISTRIBUTION SYSTEM. FOR BID, CONTRACTOR TO CARRY A CONTINGENCY FOR (8)20A/1P BRANCH CIRCUITS TO BE REFED.
2. AT THE START OF THE PROJECT, CIRCUIT BREAKER SHALL BE PLACED IN THE OFF POSITION AND LABELED TO INDICATE C/B TO REMAIN OFF AND COVER CLEARLY LABELED "NOT FOR USE".
3. AT THE START OF THE PROJECT, ALL CIRCUIT BREAKERS NOT SERVING LIGHTING BRANCH CONNECTIONS OR SUPPORTING FIRE ALARM SYSTEM TO BE PLACED IN THE OFF POSITION AND PANEL COVER TO BE LOCKED AND LABELED TO COVER CLEARLY LABELED "NOT FOR USE".
4. RECIRCUIT LIGHTING BRANCH CIRCUITS TO PNL RA IN BUILDING F. UTILIZE SPARE BREAKERS AND BREAKERS NOT SERVING LIGHTING OR FIRE ALARM (DISCONNECT EXISTING LOAD). FOR BID, CONTRACTOR SHALL ASSUME (15) EXISTING CIRCUITS TO BE REFED. MATCH EXISTING WIRING AND BREAKER CHARACTERISTICS.
5. CAREFULLY DISCONNECT, REMOVE, AND TURN OVER EQUIPMENT TO BURLINGTON SCHOOL DISTRICT. COORDINATE WITH
6. REFER TO CIVIL UTILITY PLAN AND DWG ED-E1. WOOD CHIPPER BLDG TO BE FED FROM NEW UTILITY POLE MTD, AND EXISTING AND EXTENDED TO POLE RISER. SOLAR DISCONNECT AND METER TO BE RELOCATED TO EXTERIOR OF WOOD CHIPPER BLDG.
7. DISCONNECT AND RECONNECT TO PANEL ERA ALL LIGHTING AND FA SYSTEM BRANCH CONNECT TO PNL ERA. UTILIZE SPARE BREAKERS AND BREAKERS NOT SERVING LIGHTING OR FIRE ALARM (DISCONNECT EXISTING LOAD). FOR BID, CONTRACTOR SHALL ASSUME (12) EXISTING CIRCUITS TO BE REFED. MATCH EXISTING WIRING AND BREAKER CHARACTERISTICS.
8. DISCONNECT AND REMOVE EXISTING FEEDER AND PROVIDE NEW FEEDER TO NEW PANEL AS INDICATED. FEEDER TO MATCH EXISTING AMPERAGE, RATING, AND TYPE. INTERCEPT AND UTILIZE EXISTING FEEDER AS APPLICABLE.
9. RECIRCUIT LIGHTING AND FIRE ALARM SYSTEM BRANCH CIRCUITS TO PANEL DRA IN BUILDING D. REPLACE EXISTING THREE POLE BREAKERS SERVING EACH PANELBOARD WITH 20A/1P BREAKERS AND UTILIZE FOR RECIRCUITED BRANCH CIRCUITS. FOR BID, CONTRACTOR SHALL ASSUME (8) EXISTING CIRCUITS TO E REFED. MATCH EXISTING WIRING AND BREAKER CHARACTERISTICS.
10. ALL MAIN AND BRANCH CIRCUIT BREAKERS SHALL BE PLACED IN THE OFF POSITION AND PANEL COVER CLEARLY LABELED "NOT FOR USE". PANEL COVERS TO BE LOCKED.
11. ALL BUS DUCT BRANCH C/B'S SHALL BE PLACED IN OFF POSITION. ANY PANELBOARDS FED FROM BUS DUCT C/B'S SHALL HAVE ALL MAIN AND BRANCH C/B'S PLACED IN THE OFF POSITION AND PANELBOARD COVER CLEARLY LABELED "NOT FOR USE." PANELBOARD COVERS TO BE LOCKED.
12. EXISTING PV SYSTEM COMPONENTS, METER AND DISCONNECT TO BE DISCONNECTED AND RELOCATED TO BLDG H EXTERIOR PRIOR TO THE DEMOLITION OF BLDG E. COORDINATE UTILITY DISCONNECTION AND RECONNECTION TO RELCOATED EQUIPMENT AND BLDG H'S NEW UTILITY SERVICE. INTERCEPT AND EXTEND EXISTING UNDERGROUND FEEDER LOCATED ABOVE AND TO PV PANEL/INVERTERS IN BLDG H AS REQUIRED. PROVIDE ALL REQUIRED WIRING, CONDUIT, AND CONNECTION TO EXISTING SYSTEM.
13. INTERCEPT EXISTING UNDERGROUND SERVICE FROM BLDG E TO BLDG H WITH NEW UTILITY SERVICE AT THE START OF BLDG E'S DEMOLITION. CONTRACTOR RESPONSIBLE FOR PROVIDING TEMP. POWER AS REQUIRED FOR SWITCH OVER. CONTRACTOR RESPONSIBLE FOR COORDINATING NEW SERVICE WITH UTILITY COMPANY

GENERAL NOTES:

1. BUILDING A, B, C, D, E, F, AND G WILL BE DEMOLISHED IN THEIR ENTIRETY. IN SUCCESSION. POWER AND FIRE ALARM SYSTEM SHALL BE MAINTAINED IN BLDGS. C, D, E, F, AND G UNTIL SUCH TIME THAT THE BLDG HAS GONE THROUGH ABATEMENT AND IS READY TO BE DEMOLISHED. ALL ELEC. AND FIRE ALARM EQUIPMENT, DEVICES, AND ASSOCIATED WIRING, BOXES, CONDUIT, ETC. SHALL BE DEMOLISHED ONCE ABATEMENT IN THAT BLDG HAS OCCURRED. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY TEMPORARY LIGHTING OR POWER WITHIN A BLDG AS REQUIRED DURING DEMOLITION OF THAT SPECIFIC BLDG.
2. REFER TO DWG. E-01 FOR DEMOLITION AND GENERAL NOTES, ABBREVIATIONS, AND LEGEND.
3. REFER TO CIVIL DRAWINGS FOR ELECTRICAL DEMOLITION SCOPE EXTERIOR OF THE BUILDING.
4. REFER TO DWG. E-02 FOR FEEDER SCHEDULE.
5. NOT ALL EQUIPMENT AND CONNECTIONS ARE INDICATED ON ONE-LINE DIAGRAM. FIELD VERIFY QUANTITY AND LOACTION OF ALL EXISTING ELEC EQUIPMENT.

No.	DATE	DESCRIPTION	DESIGNER REVIEWER
1	11/17/2022	ADDENDUM 1	

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0 1
GRAPHIC SCALE

FUSS & O'NEILL
208 BATTERYMARCH STREET, BOSTON, MA 02110
QUECHEE CORPORATE CENTER, 1 CORPORATE DRIVE, SUITE 603, QUECHEE, VT 05059
617.695.1990
www.fando.com

BURLINGTON SCHOOL DISTRICT
ELECTRICAL ONE LINE DIAGRAM
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400.A10
DATE: SEPTEMBER 2022

1

E-03

File Path: J:\DWG\P2019\1400\A10\MEP\Electrical\20191400A10-E001.dwg Layout: E-03 Plotted: Mon, November 07, 2022 - 12:54 PM User: sgodin
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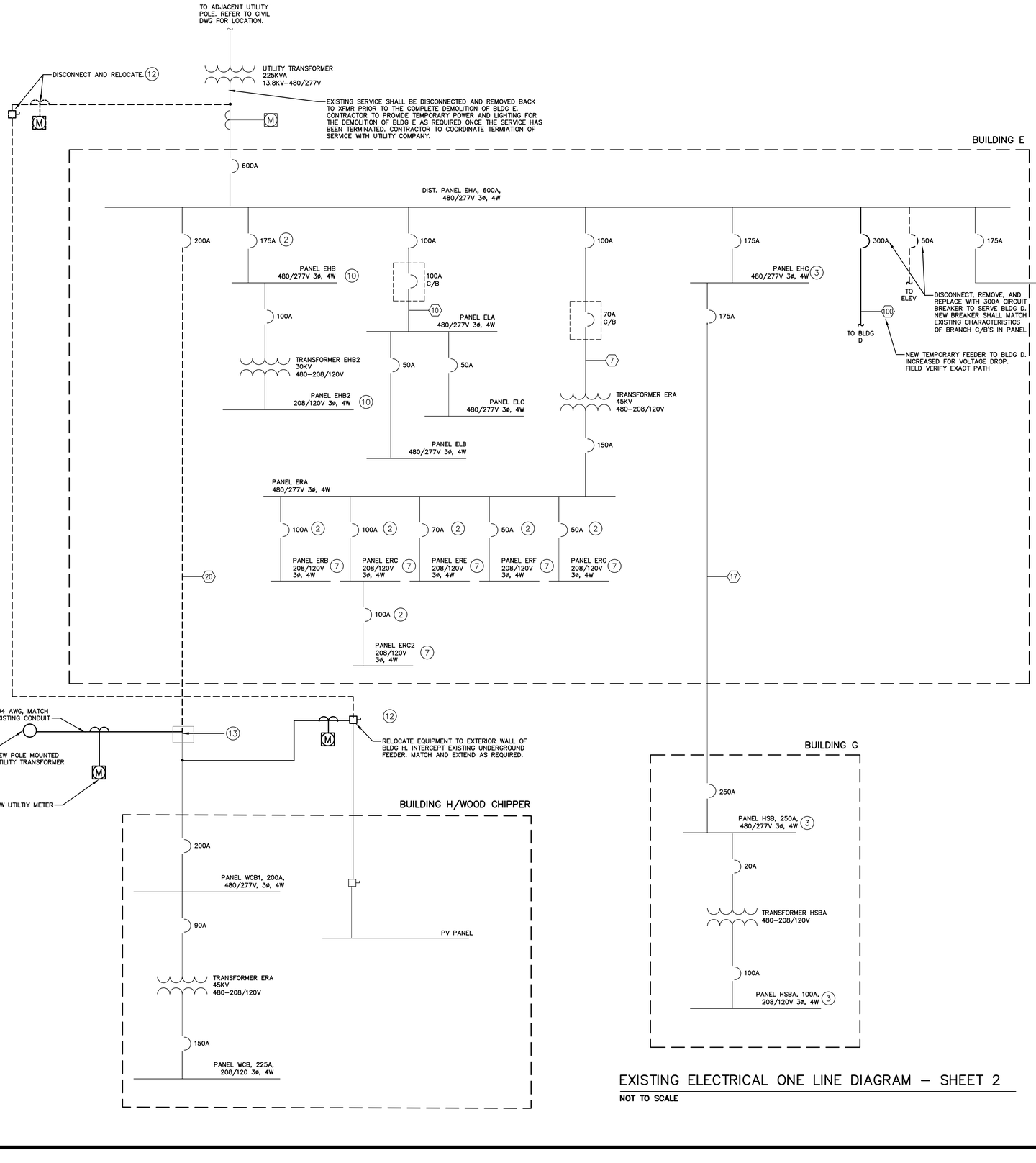

GENERAL NOTES:

1. BUILDING A, B, C, D, E, F, AND G WILL BE DEMOLISHED IN THEIR ENTIRETY. IN SUCCESSION. POWER AND FIRE ALARM SYSTEM SHALL BE MAINTAINED IN BLDGS. C, D, E, F, AND G UNTIL SUCH TIME THAT THE BLDG HAS GONE THROUGH ABATEMENT AND IS READY TO BE DEMOLISHED. ALL ELEC. AND FIRE ALARM EQUIPMENT, DEVICES, AND ASSOCIATED WIRING, BOXES, CONDUIT, ETC. SHALL BE DEMOLISHED ONCE ABATEMENT IN THAT BLDG HAS OCCURRED. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY TEMPORARY LIGHTING OR POWER WITHIN A BLDG AS REQUIRED DURING DEMOLITION OF THAT SPECIFIC BLDG.
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4. REFER TO DWG. E-02 FOR FEEDER SCHEDULE.
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KEY NOTES:

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(2) AT THE START OF THE PROJECT, CIRCUIT BREAKER SHALL BE PLACED IN THE OFF POSITION AND LABELED TO INDICATE C/B TO REMAIN OFF AND COVER CLEARLY LABELED "NOT FOR USE".

(3) AT THE START OF THE PROJECT, ALL CIRCUIT BREAKERS NOT SERVING LIGHTING BRANCH CONNECTIONS OR SUPPORTING FIRE ALARM SYSTEM TO BE PLACED IN THE OFF POSITION AND PANEL COVER TO BE LOCKED AND LABELED TO COVER CLEARLY LABELED "NOT FOR USE".

(4) RECIRCUIT LIGHTING BRANCH CIRCUITS TO PNL RA IN BUILDING F. UTILIZE SPARE BREAKERS AND BREAKERS NOT SERVING LIGHTING OR FIRE ALARM (DISCONNECT EXISTING LOAD). FOR BID, CONTRACTOR SHALL ASSUME (15) EXISTING CIRCUITS TO BE REFED. MATCH EXISTING WIRING AND BREAKER CHARACTERISTICS.

(5) CAREFULLY DISCONNECT, REMOVE, AND TURN OVER EQUIPMENT TO BURLINGTON SCHOOL DISTRICT. COORDINATE WITH

(6) REFER TO CIVIL UTILITY PLAN AND DWG ED–E1. WOOD CHIPPER BLDG TO BE FED FROM NEW UTILITY POLE MTD, AND EXISTING AND EXTENDED TO POLE RISER. SOLAR DISCONNECT AND METER TO BE RELOCATED TO EXTERIOR OF WOOD CHIPPER BLDG.

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(9) RECIRCUIT LIGHTING AND FIRE ALARM SYSTEM BRANCH CIRCUITS TO PANEL DRA IN BUILDING D. REPLACE EXISTING THREE POLE BREAKERS SERVING EACH PANELBOARD WITH 20A/1P BREAKERS AND UTILIZE FOR RECIRCUITED BRANCH CIRCUITS. FOR BID, CONTRACTOR SHALL ASSUME (8) EXISTING CIRCUITS TO E REFED. MATCH EXISTING WIRING AND BREAKER CHARACTERISTICS.

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(13) INTERCEPT EXISTING UNDERGROUND SERVICE FROM BLDG E TO BLDG H WITH NEW UTILITY SERVICE AT THE START OF BLDG E'S DEMOLITION. CONTRACTOR RESPONSIBLE FOR PROVIDING TEMP. POWER AS REQUIRED FOR SWITCH OVER. CONTRACTOR RESPONSIBLE FOR COORDINATING NEW SERVICE WITH UTILITY COMPANY

EXISTING ELECTRICAL ONE LINE DIAGRAM – SHEET 2

NOT TO SCALE

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1	11/17/2022	ADDENDUM 1		

SCALE:
HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.:
VERT.:
0 1
GRAPHIC SCALE

FUSS & O'NEILL
208 BATTERYMARCH STREET, SUITE 6B
QUECHEE/WINDSOR JUNCTION, VT 05001
802.295.4676
www.fando.com

BURLINGTON SCHOOL DISTRICT
ELECTRICAL ONE LINE DIAGRAM
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400.A10
DATE: SEPTEMBER 2022

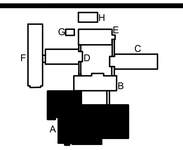
1

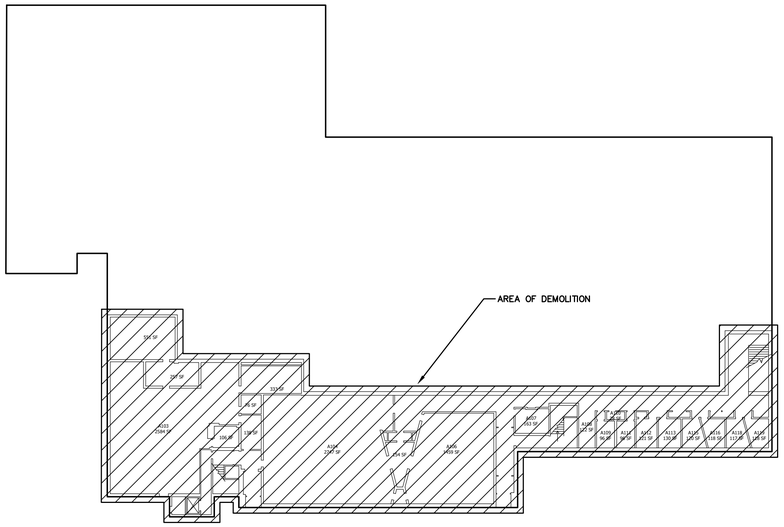
E-04

File Path: J:\DWG\P2019\1400\A10\MEP\Electrical\20191400A10-E001.dwg Layout: E-04 Plotted: Mon, November 07, 2022 - 12:54 PM User: sgodin
MS VIEW: LAYER STATE: PC Name: CONFIG STORED IN: FO.STB File: FO.STB

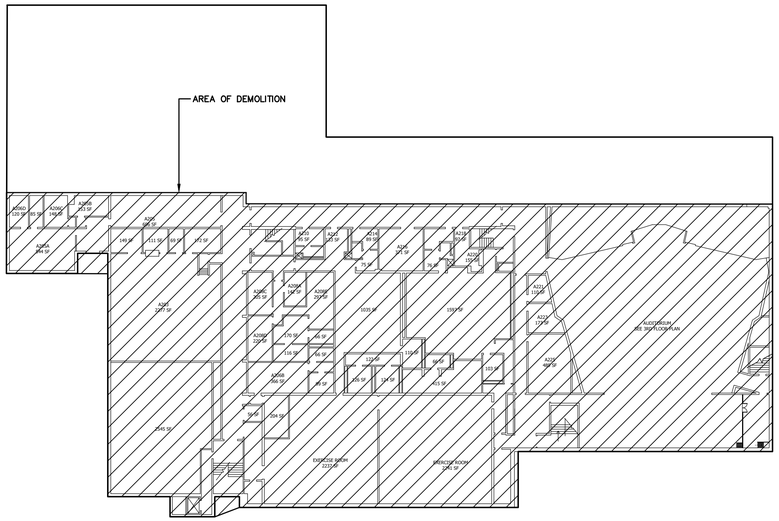
GENERAL NOTES:

1. BUILDING A, B, C, D, E, F, AND G WILL BE DEMOLISHED IN THEIR ENTIRETY. IN SUCCESSION. POWER AND FIRE ALARM SYSTEM SHALL BE MAINTAINED IN BLDGS. C, D, E, F, AND G UNTIL SUCH TIME THAT THE BLDG HAS GONE THROUGH ABATEMENT AND IS READY TO BE DEMOLISHED. ALL ELEC. AND FIRE ALARM EQUIPMENT INDICATED SHALL BE DEMOLISHED ONCE ABATEMENT IN THAT BLDG HAS OCCURRED. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY TEMPORARY LIGHTING OR POWER WITHIN A BLDG AS REQUIRED DURING DEMOLITION OF THAT SPECIFIC BLDG.
2. REFER TO DWG. E-01 FOR DEMOLITION AND GENERAL NOTES, ABBREVIATIONS, AND LEGEND.
3. REFER TO CIVIL DRAWINGS FOR ELECTRICAL DEMOLITION SCOPE EXTERIOR OF THE BUILDING.
4. BUILDING CONNECTORS BETWEEN EACH OF THE BUILDINGS SHALL BE DEMOLISHED IN THEIR ENTIRETY.
5. LOCATION OF EXISTING EQUIPMENT INDICATED MAY NOT BE THE EXACT LOCATION IN FIELD. CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXACT LOCATION IN FIELD PRIOR TO WORK.
6. REFER TO FIRE ALARM RISER DIAGRAM ON DWG E-02 SCOPE ASSOCIATED WITH THE EXISTING FIRE ALARM SYSTEM.
7. REFER TO ELECTRICAL ONE-LINE DIAGRAMS ON DWG E-03 AND E-04.

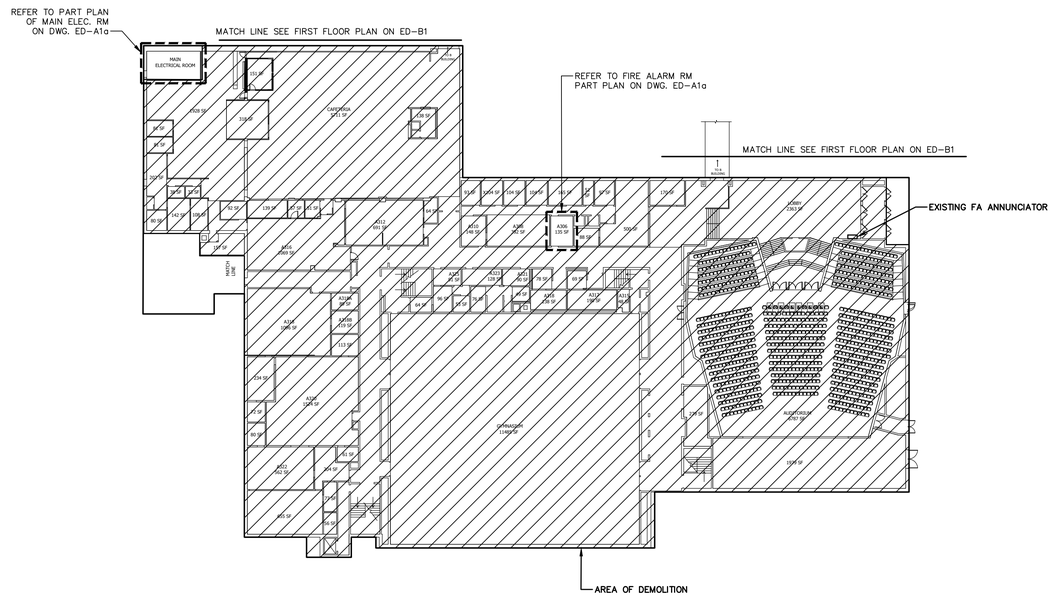




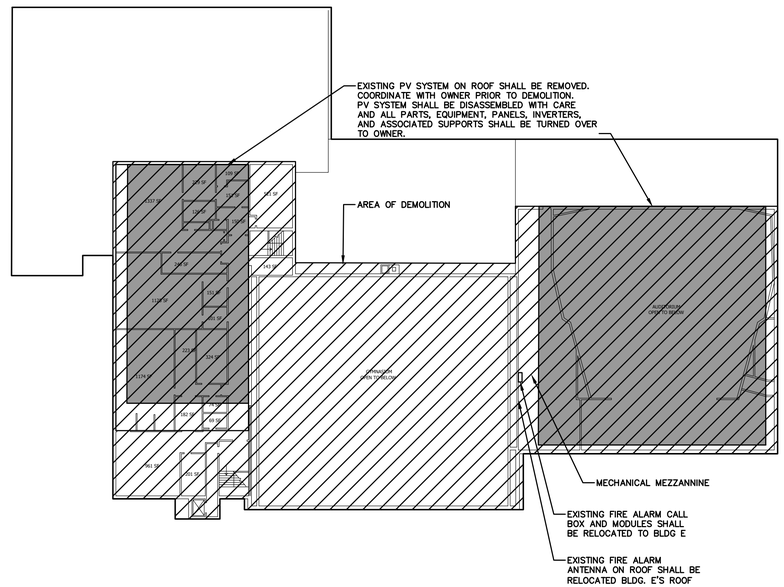
BUILDING A FIRST FLOOR
SCALE: 1/32" = 1'-0"



BUILDING A SECOND FLOOR
SCALE: 1/32" = 1'-0"



BUILDING A THIRD FLOOR
SCALE: 1/32" = 1'-0"



BUILDING A FOURTH FLOOR
SCALE: 1/32" = 1'-0"

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1	11/17/2022	ADDENDUM 1		

SCALE:
HORZ.: 1/32" = 1'-0"
VERT.:
DATUM:
HORZ.:
VERT.:
GRAPHIC SCALE 32 16 0 32

FUSS&O'NEILL
205 BILLINGS FARMS ROAD, SUITE 6B
WHITE RIVER JUNCTION, VT 05001
802.698.6570
www.fando.com

BURLINGTON SCHOOL DISTRICT
ELECTRICAL DEMOLITION FLOOR PLANS - BUILDING A
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400.A10
DATE: SEPTEMBER 2022

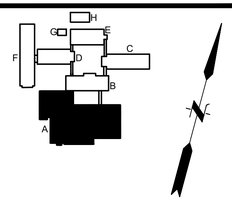
1

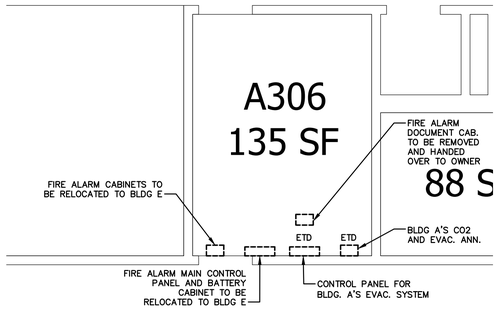
ED-A1

PC3: DWG TO PDF.PC3; STB/CTB: FO.STB

GENERAL NOTES:

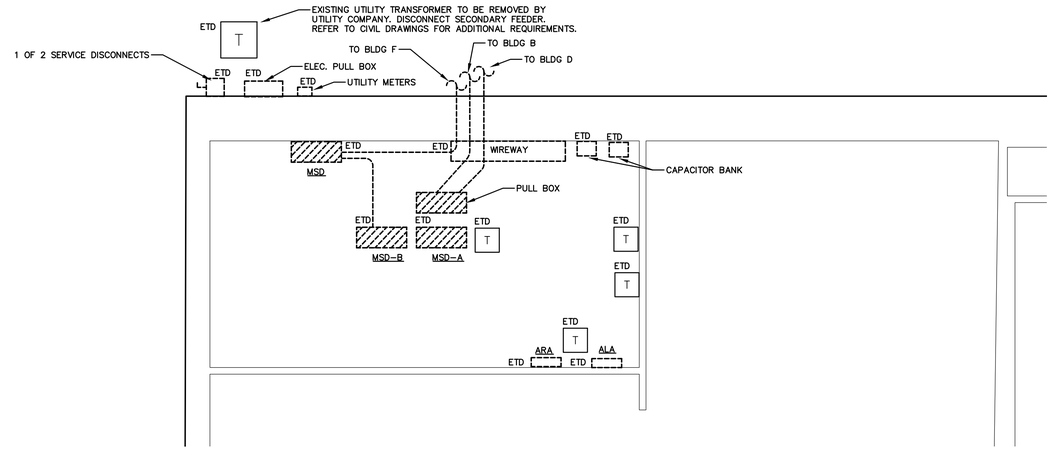
1. BUILDING A, B, C, D, E, F, AND G WILL BE DEMOLISHED IN THEIR ENTIRETY. IN SUCCESSION. POWER AND FIRE ALARM SYSTEM SHALL BE MAINTAINED IN BLDGS. C, D, E, F, AND G UNTIL SUCH TIME THAT THE BLDG HAS GONE THROUGH ABATEMENT AND IS READY TO BE DEMOLISHED. ALL ELEC. AND FIRE ALARM EQUIPMENT INDICATED SHALL BE DEMOLISHED ONCE ABATEMENT IN THAT BLDG HAS OCCURRED. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY TEMPORARY LIGHTING OR POWER WITHIN A BLDG AS REQUIRED DURING DEMOLITION OF THAT SPECIFIC BLDG.
2. REFER TO DWG. E-01 FOR DEMOLITION AND GENERAL NOTES, ABBREVIATIONS, AND LEGEND.
3. REFER TO CIVIL DRAWINGS FOR ELECTRICAL DEMOLITION SCOPE EXTERIOR OF THE BUILDING.
4. BUILDING CONNECTORS BETWEEN EACH OF THE BUILDINGS SHALL BE DEMOLISHED IN THEIR ENTIRETY.
5. LOCATION OF EXISTING EQUIPMENT INDICATED MAY NOT BE THE EXACT LOCATION IN FIELD. CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXACT LOCATION IN FIELD PRIOR TO WORK.
6. REFER TO FIRE ALARM RISER DIAGRAM ON DWG E-02 SCOPE ASSOCIATED WITH THE EXISTING FIRE ALARM SYSTEM.
7. REFER TO ELECTRICAL ONE-LINE DIAGRAMS ON DWG E-03 AND E-04.





BUILDING A MAIN FIRE ALARM ROOM PART PLAN

SCALE: 1/4" = 1'-0"



BUILDING A MAIN ELECTRICAL ROOM PART PLAN

SCALE: 1/4" = 1'-0"

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1	11/17/2022	ADDENDUM 1		

SCALE:
HORZ.: 1/4" = 1'-0"
VERT.:
DATUM:
HORZ.:
VERT.:
4 2 0 4
GRAPHIC SCALE

FUSS & O'NEILL
205 BILLINGS FARMS ROAD, SUITE 6B
WHITE RIVER JUNCTION, VT 05001
802.698.0370
www.fando.com

BURLINGTON SCHOOL DISTRICT

ELECTRICAL DEMOLITION PART PLANS - BUILDING A

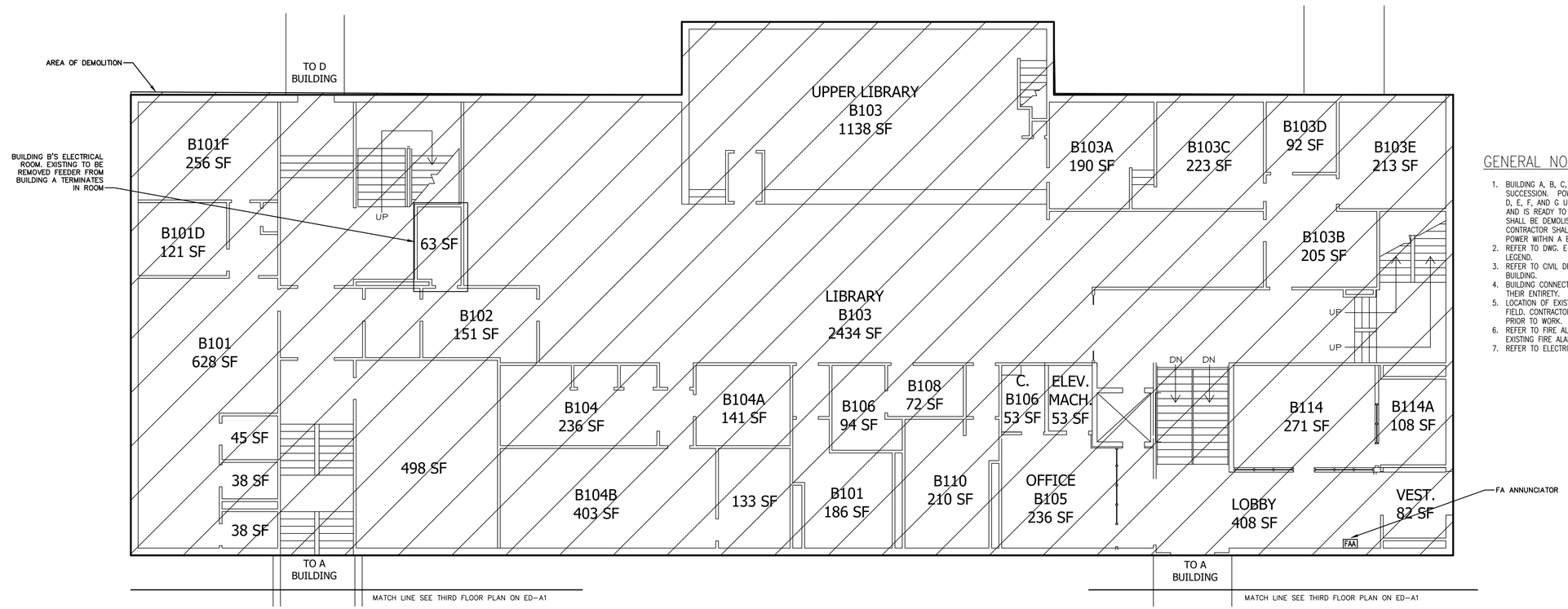
BHS PCB SITE INVESTIGATION

BURLINGTON VERMONT

PROJ. No.: 20191400.A10
DATE: SEPTEMBER 2022

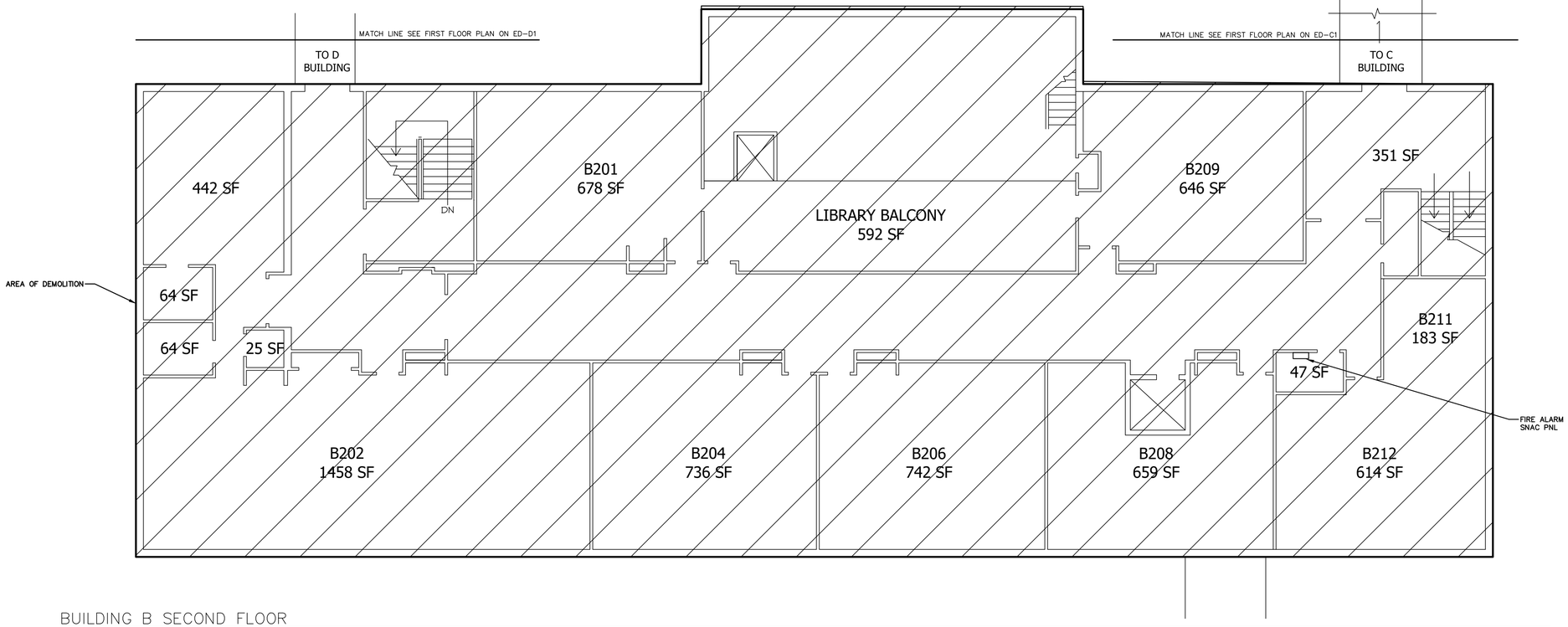
1

ED-A1a



BUILDING B FIRST FLOOR

SCALE: 1/8" = 1-0"



BUILDING B SECOND FLOOR

SCALE: 1/8" = 1-0"

GENERAL NOTES:

1. BUILDING A, B, C, D, E, F, AND G WILL BE DEMOLISHED IN THEIR ENTIRETY. IN SUCCESSION. POWER AND FIRE ALARM SYSTEM SHALL BE MAINTAINED IN BLDGS. C, D, E, F, AND G UNTIL SUCH TIME THAT THE BLDG HAS GONE THROUGH ABATEMENT AND IS READY TO BE DEMOLISHED. ALL ELEC. AND FIRE ALARM EQUIPMENT INDICATED SHALL BE DEMOLISHED ONCE ABATEMENT IN THAT BLDG HAS OCCURRED. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY TEMPORARY LIGHTING OR POWER WITHIN A BLDG AS REQUIRED DURING DEMOLITION OF THAT SPECIFIC BLDG.
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6. REFER TO FIRE ALARM RISER DIAGRAM ON DWG E-02 SCOPE ASSOCIATED WITH THE EXISTING FIRE ALARM SYSTEM.
7. REFER TO ELECTRICAL ONE-LINE DIAGRAMS ON DWG E-03 AND E-04.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1	11/17/2022	ADDENDUM 1		

SCALE:
HORZ.: 1/8" = 1'-0"
VERT.:
DATUM:
HORZ.:
VERT.:
0 4 8 GRAPHIC SCALE

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205 BILLINGS FARMS ROAD, SUITE 6B
WHITE RIVER JUNCTION, VT 05001
802.698.6570
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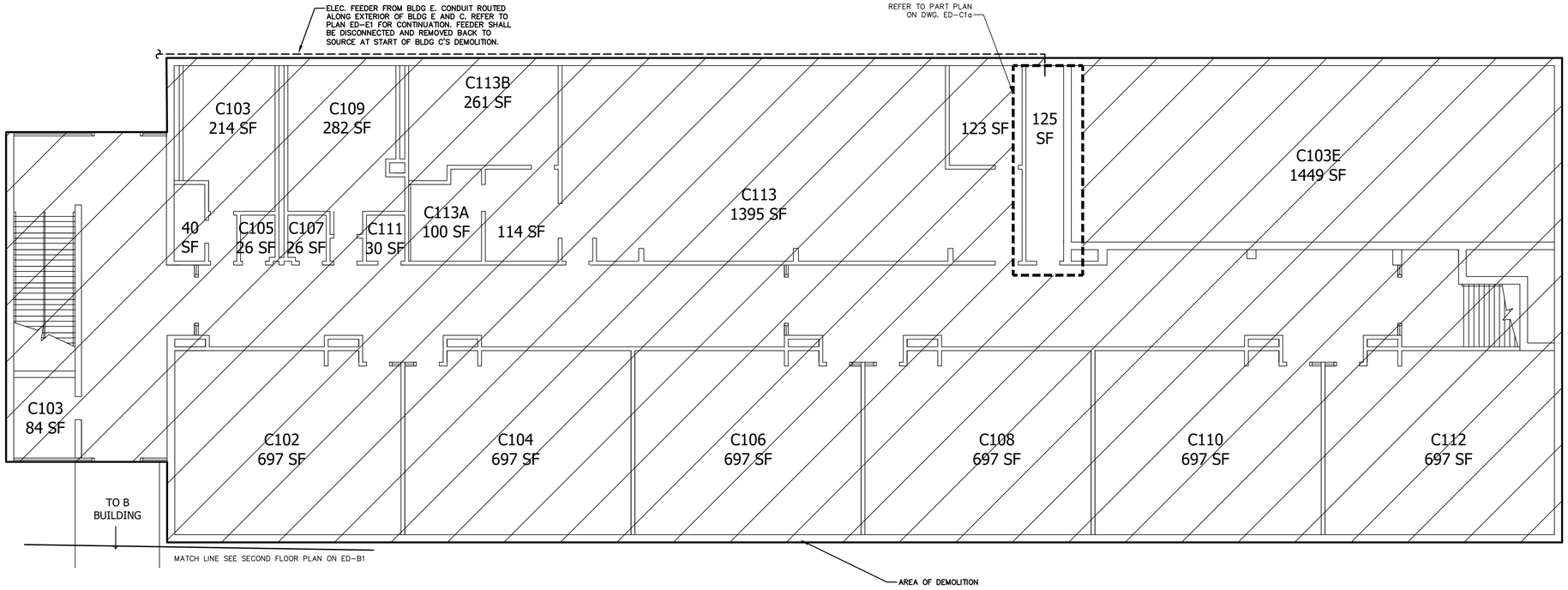
BURLINGTON SCHOOL DISTRICT
ELECTRICAL DEMOLITION FLOOR PLANS - BUILDING B
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400.A10
DATE: SEPTEMBER 2022

1

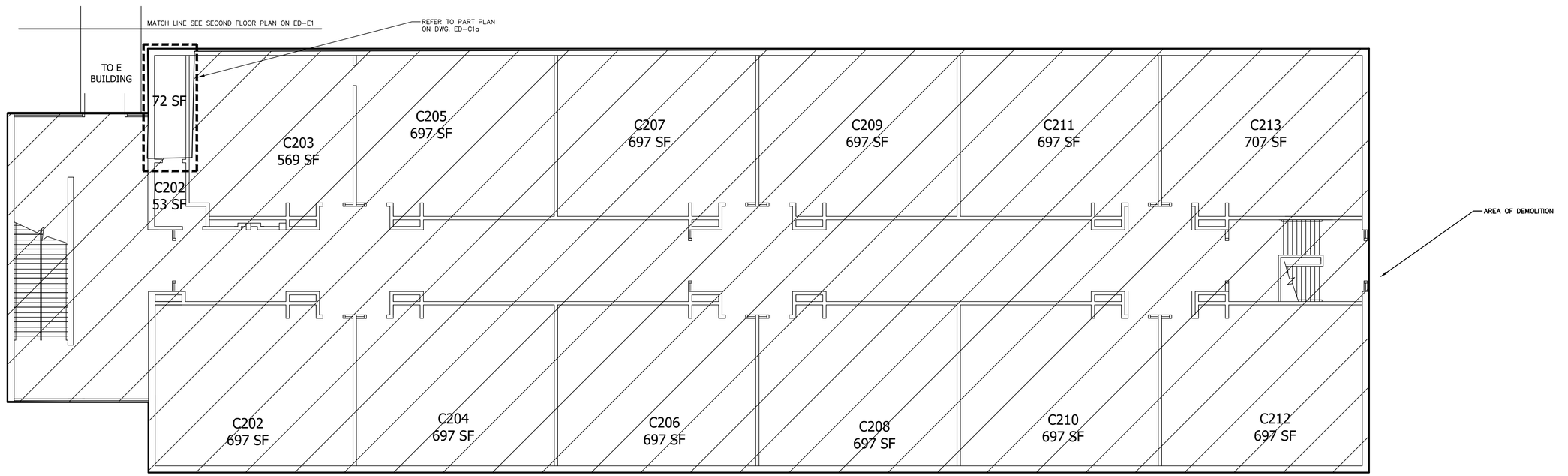
ED-B1

PC3: DWG TO PDF.PC3 STB/CTB: FO.STB



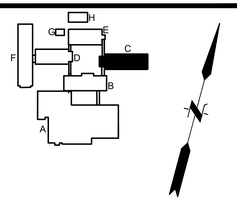
BUILDING C FIRST FLOOR

SCALE: 1/8" = 1'-0"



BUILDING C SECOND FLOOR

SCALE: 1/8" = 1'-0"



GENERAL NOTES:

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2. REFER TO DWG. E-01 FOR DEMOLITION AND GENERAL NOTES, ABBREVIATIONS, AND LEGEND.
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No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1	11/17/2022	ADDENDUM 1		

SCALE:
HORZ.: 1/8" = 1'-0"
VERT.:
DATUM:
HORZ.:
VERT.:
8 4 0 8
GRAPHIC SCALE

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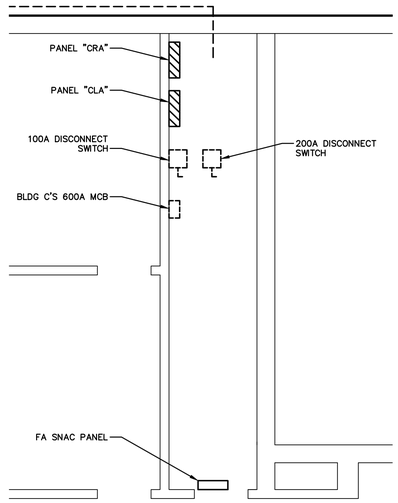
BURLINGTON SCHOOL DISTRICT
ELECTRICAL DEMOLITION FLOOR PLANS - BUILDING C
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400.A10
DATE: SEPTEMBER 2022

1

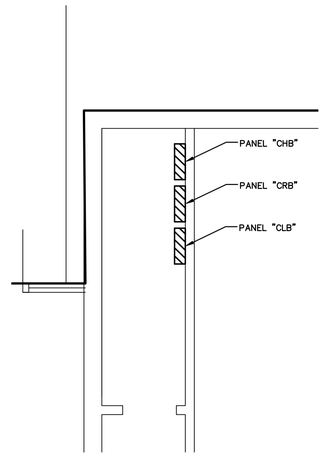
ED-C1

PC3: DWG TO PDF.PC3; STB/CTB: FO.STB



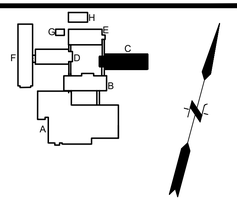
BUILDING C'S FIRST FLOOR ELECTRIC ROOM

SCALE: 1/4" = 1'-0"



BUILDING C'S SECOND FLOOR ELECTRICAL ROOM

SCALE: 1/4" = 1'-0"



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No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1	11/17/2022	ADDENDUM 1		

SCALE:
HORZ.: 1/4" = 1'-0"
VERT.:
DATUM:
HORZ.:
VERT.:
0 2 4
GRAPHIC SCALE

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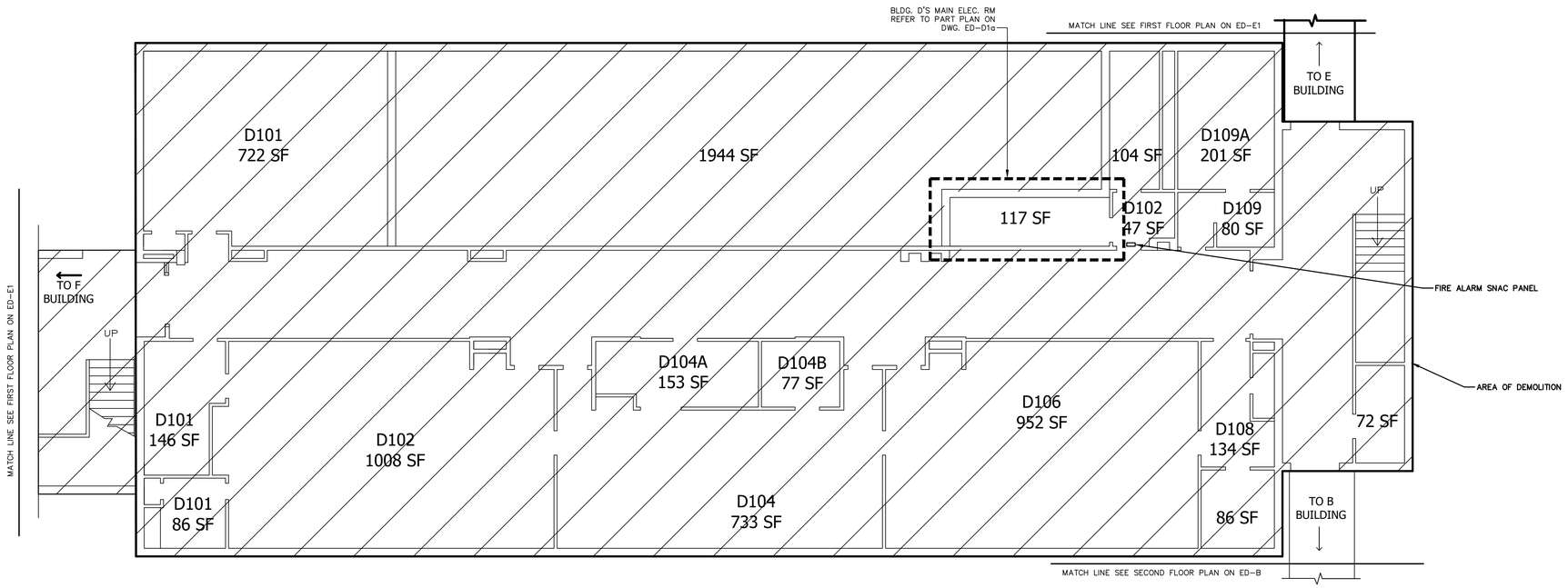
BURLINGTON SCHOOL DISTRICT
ELECTRICAL DEMOLITION PART PLANS
- BUILDING C
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400.A10
DATE: SEPTEMBER 2022

1

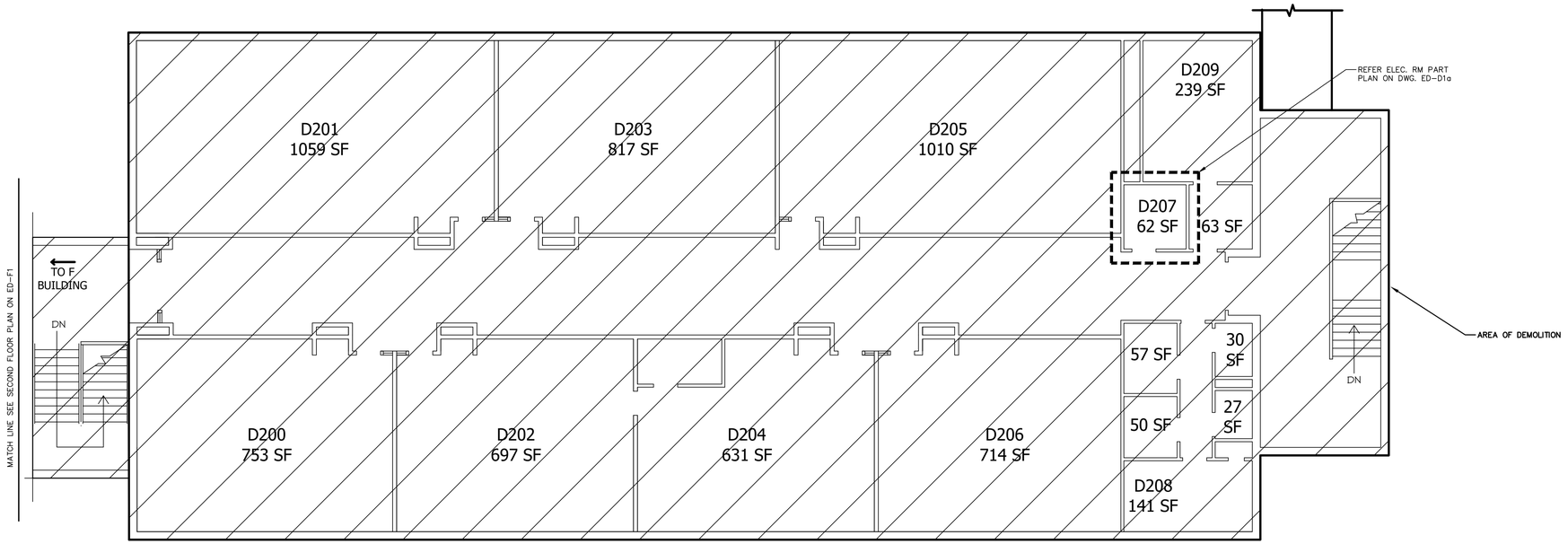
ED-C1a

PC3; DWG TO PDF.PC3 STB/CTB: FO.STB



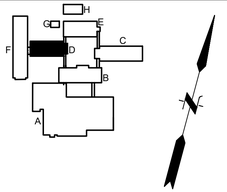
BUILDING D FIRST FLOOR

SCALE: 1/8" = 1'-0"



BUILDING D SECOND FLOOR

SCALE: 1/8" = 1'-0"



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No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1	11/17/2022	ADDENDUM 1		

SCALE:
HORZ.: 1/8" = 1'-0"
VERT.:
DATUM:
HORZ.:
VERT.:
8 4 0 8
GRAPHIC SCALE

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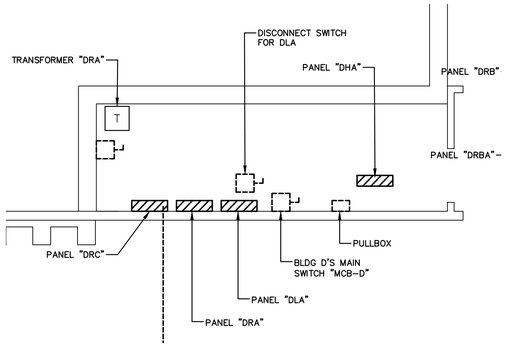
BURLINGTON SCHOOL DISTRICT
ELECTRICAL DEMOLITION FLOOR PLANS - BUILDING D
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400.A10
DATE: SEPTEMBER 2022

1

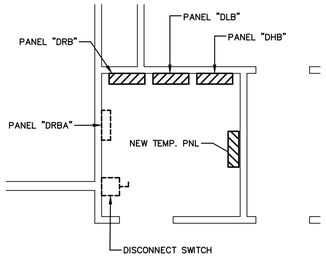
ED-D1

PC3: DWG TO PDF.PC3 STB/CTB: FO.STB



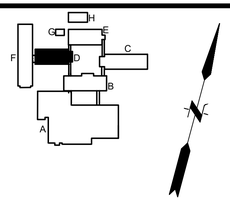
BUILDING D FIRST FLOOR ELECTRICAL ROOM PART PLAN

SCALE: 1/4" = 1'-0"



BUILDING D SECOND FLOOR ELECTRICAL ROOM PART PLAN

SCALE: 1/4" = 1'-0"



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No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1	11/17/2022	ADDENDUM 1		

SCALE:
HORZ.: 1/4" = 1'-0"
VERT.:
DATUM:
HORZ.:
VERT.:
4 2 0 4
GRAPHIC SCALE

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BURLINGTON SCHOOL DISTRICT

ELECTRICAL DEMOLITION PART PLANS - BUILDING D

BHS PCB SITE INVESTIGATION

BURLINGTON VERMONT

PROJ. No.: 20191400.A10
DATE: SEPTEMBER 2022

1

ED-D1a

PC3: NONE_STB/CTB: FO.STB

GENERAL NOTES:

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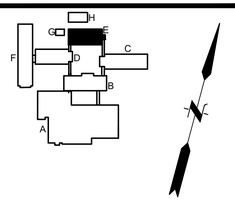
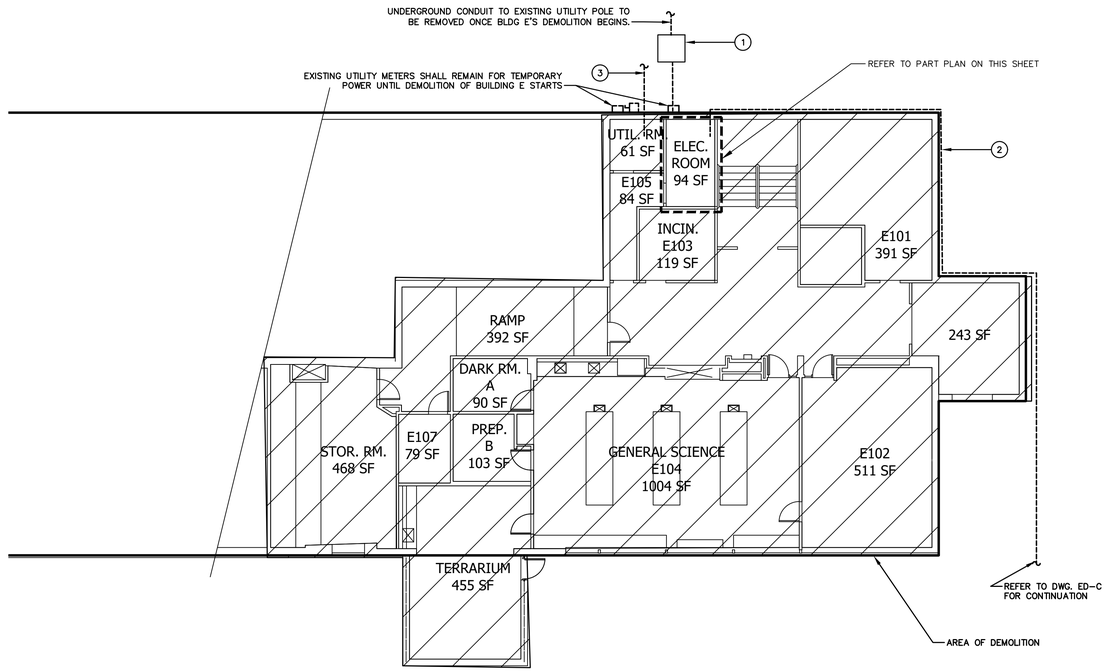
7. REFER TO ELECTRICAL ONE-LINE DIAGRAMS ON DWG E-03 AND E-04.

KEY NOTES:

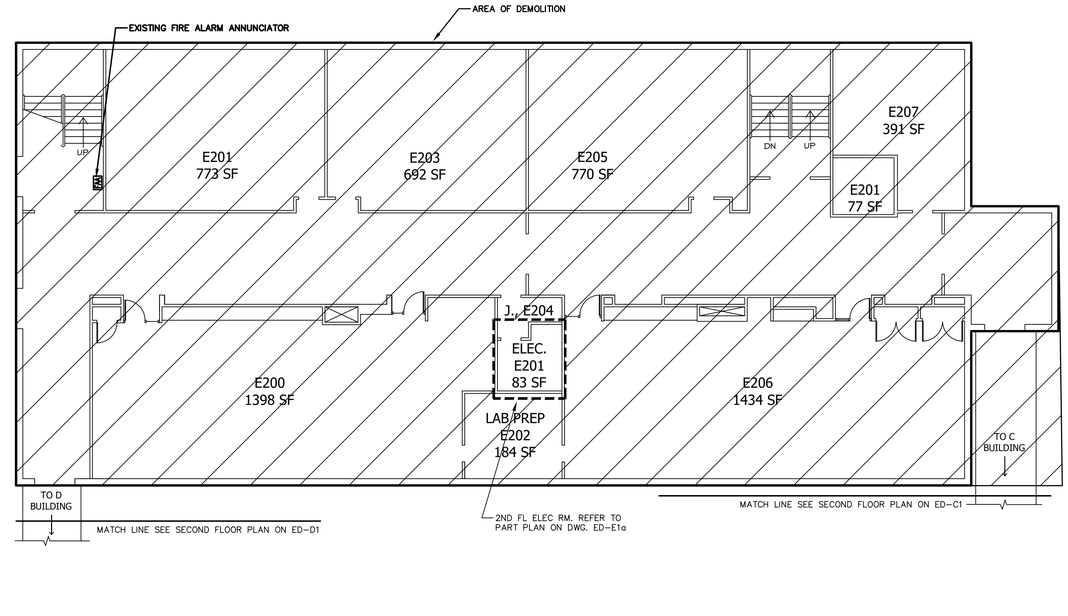
1. EXISTING UTILITY TRANSFORMER TO BE REMAIN FOR TEMPORARY POWER DURING ABATEMENT AND DEMOLITION PHASES. AT THE START OF BLDG E'S DEMOLITION, UTILITY COMPANY TO RELOCATE TRANSFORMER OUTSIDE AREA OF DEMOLITION NEAR BLDG H. DISCONNECT SECONDARY FEEDER SERVING E. REFER TO CIVIL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
2. EXISTING FEEDER ROUTED ALONG EXTERIOR WALL TO BLDG C. TO BE DISCONNEDCTED AND REMOVED BACK TO SOURCE PRIOR TO THE START OF BLDG C'S DEMOLITION.
3. UNDERGROUND FEEDER TO BLDG H TO BE PARTIALLY REMOVED. DISCONNECT FEEDER FROM BLDG E'S DIST. PNL. REFER TO DWG CP-1 FOR FURTHER INSTRUCTIONS





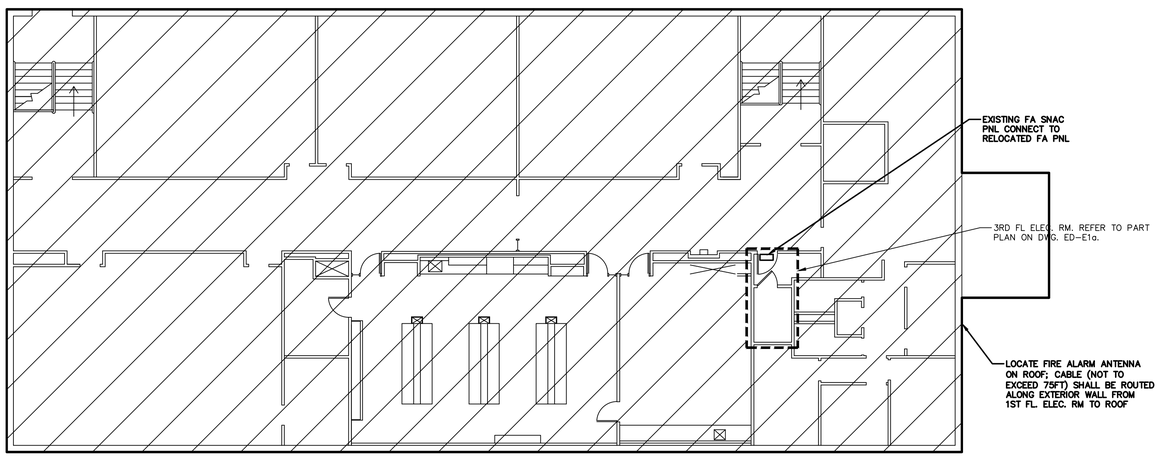
BUILDING E FIRST FLOOR

SCALE: 3/32" = 1'-0"



BUILDING E SECOND FLOOR

SCALE: 3/32" = 1'-0"



BUILDING E THIRD FLOOR

SCALE: 3/32" = 1'-0"

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1	11/17/2022	ADDENDUM 1		

SCALE:
HORZ.: AS INDICATED
VERT.:
DATUM:
HORZ.:
VERT.:
32/3 32/6 0 32/3
GRAPHIC SCALE

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BURLINGTON SCHOOL DISTRICT
ELECTRICAL DEMOLITION FLOOR PLANS - BUILDING E
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400.A10
DATE: SEPTEMBER 2022

1

ED-E1

PC3: DWG TO PDF.PC3 STB/CTB: FO.STB

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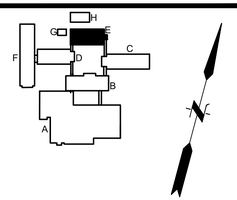
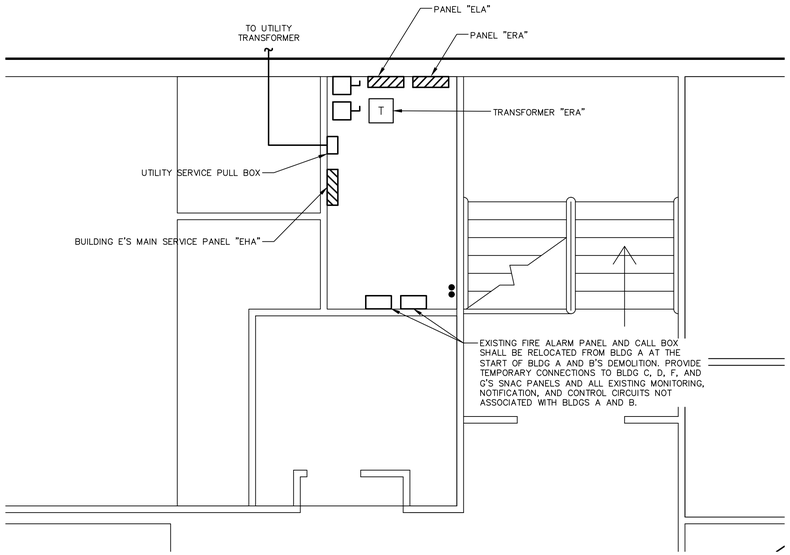
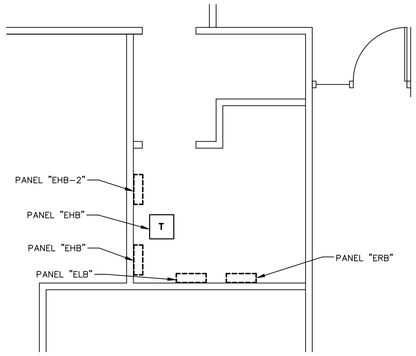




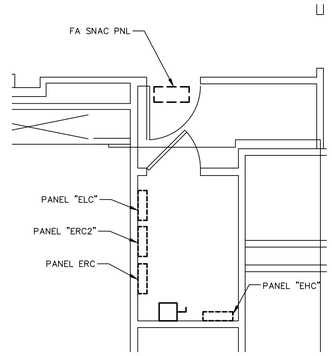
BUILDING E MAIN ELEC. RM PART PLAN

SCALE: 1/4" = 1'-0"



2ND FLOOR ELECTRICAL ROOM PART PLAN

SCALE: 1/4" = 1'-0"



3RD FLOOR ELECTRICAL ROOM PART PLAN

SCALE: 1/4" = 1'-0"

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1	11/17/2022	ADDENDUM 1		

SCALE:
HORZ.: AS INDICATED
VERT.:
DATUM:
HORZ.:
VERT.:
1/4" 1/8" 0 1/4"
GRAPHIC SCALE

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BURLINGTON SCHOOL DISTRICT
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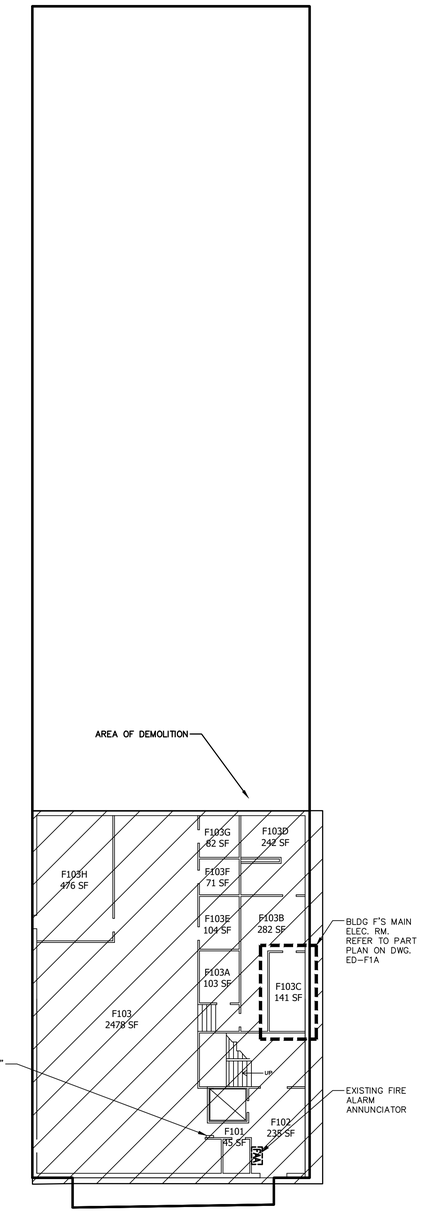
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400.A10
DATE: SEPTEMBER 2022

1

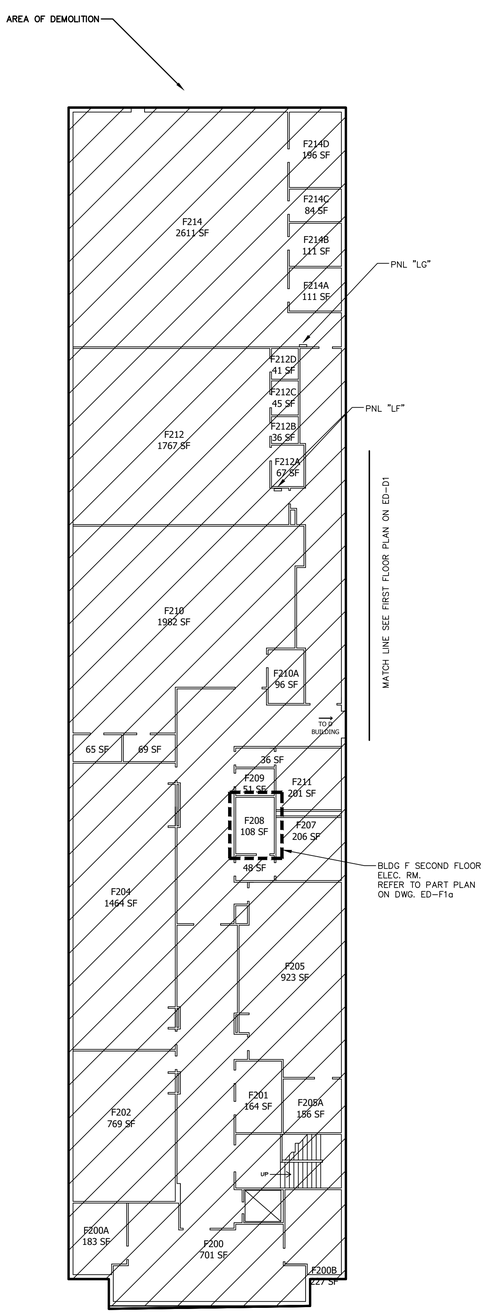
ED-E1A

PC3: DWG TO PDF.PC3 STB/CTB: FO.STB



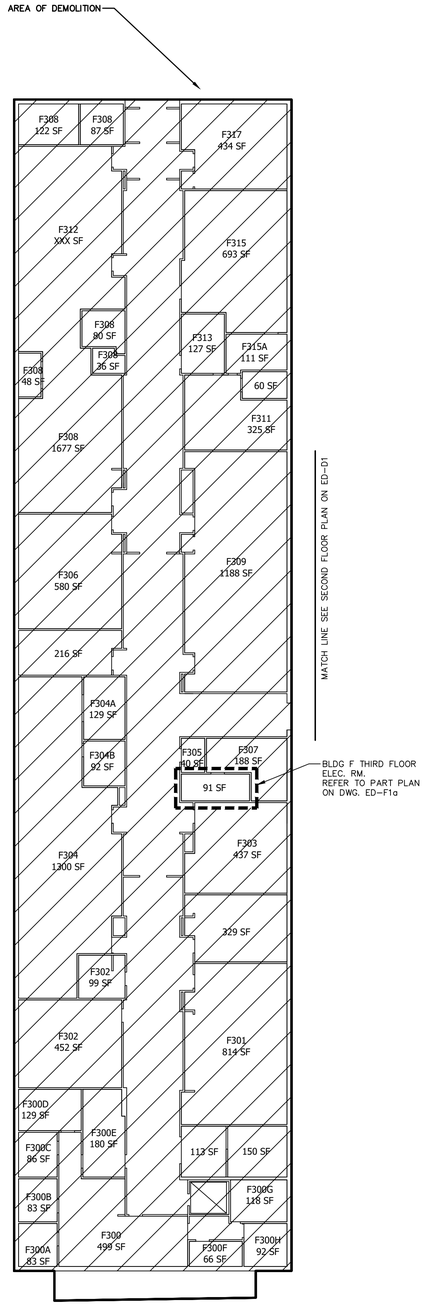
BUILDING F FIRST FLOOR

SCALE: 1/16" = 1'-0"



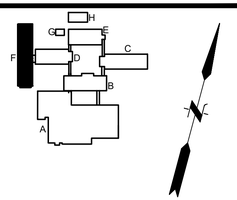
BUILDING F SECOND FLOOR

SCALE: 1/16" = 1'-0"



BUILDING F THIRD FLOOR

SCALE: 1/16" = 1'-0"



GENERAL NOTES:

1. BUILDING A, B, C, D, E, F, AND G WILL BE DEMOLISHED IN THEIR ENTIRETY. IN SUCCESSION. POWER AND FIRE ALARM SYSTEM SHALL BE MAINTAINED IN BLDGS. C, D, E, F, AND G UNTIL SUCH TIME THAT THE BLDG HAS GONE THROUGH ABATEMENT AND IS READY TO BE DEMOLISHED. ALL ELEC. AND FIRE ALARM EQUIPMENT, DEVICES, AND ASSOCIATED WIRING, BOXES, CONDUIT, ETC. SHALL BE DEMOLISHED ONCE ABATEMENT IN THAT BLDG HAS OCCURRED. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY TEMPORARY LIGHTING OR POWER WITHIN A BLDG AS REQUIRED DURING DEMOLITION OF THAT SPECIFIC BLDG.
2. REFER TO DWG. E-01 FOR DEMOLITION AND GENERAL NOTES, ABBREVIATIONS, AND LEGEND.
3. REFER TO CIVIL DRAWINGS FOR ELECTRICAL DEMOLITION SCOPE EXTERIOR OF THE BUILDING.
4. BUILDING CONNECTORS BETWEEN EACH OF THE BUILDINGS SHALL BE DEMOLISHED IN THEIR ENTIRETY.
5. LOCATION OF EXISTING EQUIPMENT INDICATED MAY NOT BE THE EXACT LOCATION IN FIELD. CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXACT LOCATION IN FIELD PRIOR TO WORK.
6. REFER TO FIRE ALARM RISER DIAGRAM ON DWG E-02 SCOPE ASSOCIATED WITH THE EXISTING FIRE ALARM SYSTEM.
7. REFER TO ELECTRICAL ONE-LINE DIAGRAMS ON DWG E-03 AND E-04.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1	11/17/2022	ADDENDUM 1		

SCALE:
HORZ.: 1/16" = 1'-0"
VERT.:
DATUM:
HORZ.:
VERT.:
16 8 0 16
GRAPHIC SCALE

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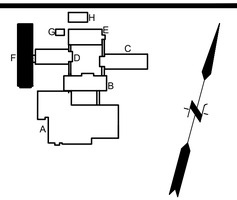
BURLINGTON SCHOOL DISTRICT
ELECTRICAL DEMOLITION FLOOR PLANS - BUILDING F
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400.A10
DATE: SEPTEMBER 2022

1

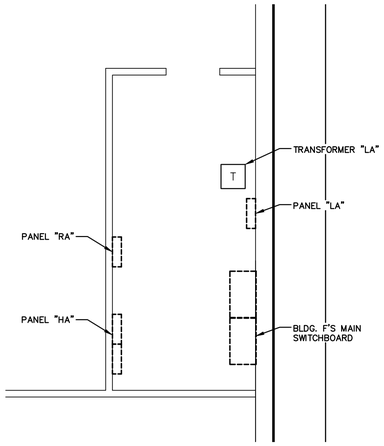
ED-F1

PC3: DWG TO PDF.PC3 STB/CTB: FO.STB

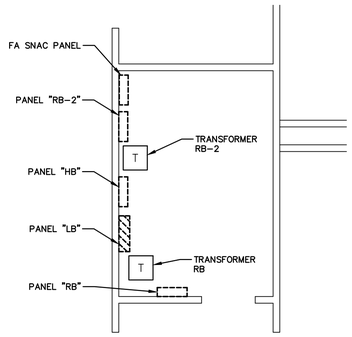


GENERAL NOTES:

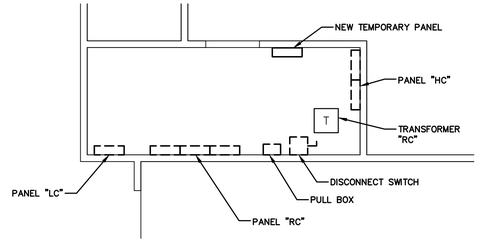
1. BUILDING A, B, C, D, E, F, AND G WILL BE DEMOLISHED IN THEIR ENTIRETY. IN SUCCESSION. POWER AND FIRE ALARM SYSTEM SHALL BE MAINTAINED IN BLDGS. C, D, E, F, AND G UNTIL SUCH TIME THAT THE BLDG HAS GONE THROUGH ABATEMENT AND IS READY TO BE DEMOLISHED. ALL ELEC. AND FIRE ALARM EQUIPMENT, DEVICES, AND ASSOCIATED WIRING, BOXES, CONDUIT, ETC. SHALL BE DEMOLISHED ONCE ABATEMENT IN THAT BLDG HAS OCCURRED. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY TEMPORARY LIGHTING OR POWER WITHIN A BLDG AS REQUIRED DURING DEMOLITION OF THAT SPECIFIC BLDG.
2.
3. REFER TO DWG. E-01 FOR DEMOLITION AND GENERAL NOTES, ABBREVIATIONS, AND LEGEND.
4. REFER TO CIVIL DRAWINGS FOR ELECTRICAL DEMOLITION SCOPE EXTERIOR OF THE BUILDING.
5. BUILDING CONNECTORS BETWEEN EACH OF THE BUILDINGS SHALL BE DEMOLISHED IN THEIR ENTIRETY.
6. LOCATION OF EXISTING EQUIPMENT INDICATED MAY NOT BE THE EXACT LOCATION IN FIELD. CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXACT LOCATION IN FIELD PRIOR TO WORK.
7. REFER TO FIRE ALARM RISER DIAGRAM ON DWG E-02 SCOPE ASSOCIATED WITH THE EXISTING FIRE ALARM SYSTEM.
8. REFER TO ELECTRICAL ONE-LINE DIAGRAMS ON DWG E-03 AND E-04.



BUILDING F MAIN ELECTRICAL ROOM PART PLAN
SCALE: 1/4" = 1'-0"



BUILDING F SECOND ELECTRICAL ROOM PART PLAN
SCALE: 1/4" = 1'-0"



BUILDING F THIRD ELECTRICAL ROOM PART PLAN
SCALE: 1/4" = 1'-0"

PC3: DWG TO PDF.PC3 STB/CTB: FO.STB

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1	11/17/2022	ADDENDUM 1		

SCALE:
HORZ.: 1/4" = 1'-0"
VERT.:
DATUM:
HORZ.:
VERT.:
GRAPHIC SCALE 4 2 0 4

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BURLINGTON SCHOOL DISTRICT
ELECTRICAL DEMOLITION PART PLANS
- BUILDING F
BHS PCB SITE INVESTIGATION
BURLINGTON VERMONT

PROJ. No.: 20191400.A10
DATE: SEPTEMBER 2022

1

ED-F1a

Attachment #6

Sheet Plans CP-101, CE-101, and CD-501

KEEP SAFE POWER FROM POLE IN ALL DIRECTIONS, COORDINATE WITH UTILITY PROVIDER

CUT AND CAP GAS LINE, COORDINATE WITH PROVIDER

CONTRACTOR TO CLOSE 1,000 GALLON BOILER LEAKAGE U.S.T.

CONTRACTOR TO CLOSE 1,000 GALLON NO.2 FUEL OIL U.S.T.

PERIMETER SITE FENCING, GATES TO BE INSTALLED AT ALL SITE ENTRANCES. FENCING TO BE RETAINED IN PLACE AFTER DEMOLITION PHASE. FENCE TO BE APPROVED BY OWNER PRIOR TO ORDERING.

INTERCEPT EXISTING UNDERGROUND CONDUIT AND EXTEND TO POLE.

EXISTING UTILITY POLE TO REMAIN. PROVIDE TEMPORARY POWER TO BLDG H VIA POLE MTD XFMR AND METER ENCLOSURE WHEN ELEC. SERVICE TO BLDG E IS DISCONNECTED.

EXISTING TRANSFORMER AND METER TO BE REMOVED BY UTILITY COMPANY. DISCONNECT AND REMOVE SECONDARY FEEDER BETWEEN TRANSFORMER AND DISTRIBUTION PANEL LOCATED IN BLDG E AT THE START OF BLDG.E'S DEMOLITION. REMOVE UNDERGROUND CONDUIT BETWEEN POLE AND TRANSFORMER.

DISCONNECT AND REMOVE ELECTRICAL FEEDER. CUT AND CAP EXISTING UNDERGROUND CONDUIT.

MAINTAIN AND PROTECT WATER LINE TO WOOD STORAGE AREA

CONTRACTOR SHALL INSTALL BARRICADE OF JERSEY BARRIERS ALONG EDGE OF ROAD TO PROTECT OPEN EXCAVATION.

EXISTING UNDERGROUND ELECTRICAL CONDUIT TO BE REMOVED BACK TO UTILITY POLE. COORDINATE WITH UTILITY PROVIDER

TBR, FILL PIPES WITH FLOWABLE FILL

CONSTRUCT TEMPORARY ACCESS ROAD AND TURN-AROUND AS SHOWN

CONTRACTOR TO CLOSE U.S.T. AND ASSOCIATED HYDRAULIC LIFT

EXISTING TRANSFORMER AND METER TO BE REMOVED BY UTILITY COMPANY. ALL WIRES SHALL BE PULLED AND MADE SAFE. DISCONNECT & REMOVE SECONDARY FEEDER BETWEEN TRANSFORMER AND MAIN SWITCHBOARD LOCATED IN MAIN ELECTRICAL ROOM.

CUT AND CAP GAS LINE, COORDINATE WITH PROVIDER

TBR, PUMP DRY PRIOR TO REMOVING

TBR, FILL PIPES WITH FLOWABLE FILL

ABANDON OVERHEADAND MAKE SAFE

CAP WATER LINE

ABANDON 8" SEWER IN PLACE

ABANDON

CONSTRUCTION ENTRANCE SEE CD-501

ABANDON 8" SEWER IN PLACE, REMOVE AS NECESSARY TO TEMPORARY STORMWATER POND

45' OF 15" TEMP. HDPE INV. IN = 184.0' INV. OUT = 182.5

MAINTAIN AND PROTECT WATER LINE TO WOOD CHIP BOILER

NOT AVAILABLE FOR STAGING, USE FOR PROPOSED BUILDING AREA

PROPOSED BUILDING FOOTPRINT BY CIVIL ENGINEERING ASSOCIATES .DWG TITLED "21255-CIVIL PROPOSED" 9-16-22 RECIEVED: 09/16/2022

DISCONNECT TWO EXISTING COMMUNICATIONS LINES, COORDINATE WITH PROVIDER

CUT AND CAP 10" VCT AND 4" PVC DRAINAGE PIPE

CONSTRUCT HAUL ROAD AS SHOWN, MARK PAVEMENT AS NEEDED ACROSS PARKING LOT

TEMP. 18" HDPE INTERCEPT DRAINAGE PIPE AND REDIRECT TO TEMP. STORMWATER DETENTION BASIN

INSTALL TEMP. SIGN - ENTRANCE ONLY

STONE BERM (SEE CD-501)

DISCONNECT POWER

CUT AND CAP STORM

CLOSE ACCESS WITH MOBILE BARRIERS

TEMPORARY STORMWATER DETENTION BASIN

CUT AND CAP STORM

CLOSE ACCESS WITH MOBILE BARRIERS

DISCONNECT AND MAKE SAFE EXISTING POWER LINES, COORDINATE WITH PROVIDER

CUT AND CAP 8" SEWER LINE

CUT AND CAP SANITARY

INSTITUTE ROAD

NOTES

GENERAL

1. THE INTENT OF THIS PLAN IS TO SHOW ITEMS FOR DEMOLITION AT THE PROPERTY LOCATED AT 52 INSTITUTE RD, BURLINGTON, VT 05408.
2. FUSS & O'NEILL, INC. HAS NOT PERFORMED ANY BOUNDARY OR TOPOGRAPHIC SURVEYS. THE PROPERTY LINES, EASEMENTS AND OTHER REAL PROPERTY DESCRIPTIONS PROVIDED ON THIS PLAN DO NOT DEFINE LEGAL RIGHTS OR MEET LEGAL REQUIREMENTS FOR A LAND SURVEY AS DESCRIBED IN NH STATUTES, AND SHALL NOT BE USED AS THE BASIS OF ANY LAND TRANSFER OR ESTABLISHMENT OF ANY PROPERTY RIGHT.
3. UTILITIES SHOWN DO NOT PURPORT TO CONSTITUTE OR REPRESENT ALL UTILITIES LOCATED UPON OR ADJACENT TO THE SURVEYED PREMISES. EXISTING UTILITY LOCATIONS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL UTILITY CONFLICTS. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT, OWNER, AND ENGINEER.
4. SITE INFORMATION IS BASED ON A DWG TITLED 21255-CIVIL EXISTING 9-7-22.dwg PROVIDED BY CIVIL ENGINEERING ASSOCIATES, INC. ON 09/07/2022. REFERENCED .DWG INDICATES SURVEY ORIENTATION IS "GRID NORTH", VERMONT COORDINATE SYSTEM OF 1983 (HORIZONTAL) AND NAVD88 (VERTICAL) ESTABLISHED FROM GPS OBSERVATIONS ON SITE.
5. PROJECT BENCHMARK IS LAKE CHAMPLAIN ESTABLISHED FROM THE UNITED STATES GEOLOGICAL SURVEY GAUGING STATION 04294500 LOCATED IN BURLINGTON, VERMONT. (DATUM NGVD 29)
6. CONTOUR INFORMATION IS SUPPLIED BY FUSS & O'NEILL BASED UPON LIDAR DATA FROM 2004. HORIZONTAL AND VERTICAL DATUM BASED ON VCS NAD 83 AND NAVD 88. ALL OTHER SITE INFORMATION IS BASED UPON ORTHOMETRIC PHOTOGRAPHY .
7. THE CONTRACTOR SHALL CONTACT DIG SAFE (888-344-7233) A MINIMUM OF AT LEAST 3 BUSINESS DAYS (72 WORKING HOURS) PRIOR TO ANY CONSTRUCTION.

EARTHWORK

1. STOP WORK IN THE VICINITY OF SUSPECTED CONTAMINATED SOIL, GROUNDWATER OR OTHER MEDIA. IMMEDIATELY NOTIFY THE OWNER SO THAT APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN. RESUME WORK IN THE IMMEDIATE VICINITY ONLY UPON DIRECTION BY THE OWNER.
2. CONTRACTOR SHALL PROTECT ALL SLOPES, VEGETATION, PAVING, WALKS, AND IMPROVEMENTS THAT ARE NOT INDICATED TO BE REMOVED AS MUCH AS PRACTICABLE.
3. REFER TO EROSION AND SEDIMENTATION CONTROL DETAILS FOR EROSION AND SEDIMENTATION CONTROL NOTES.
4. WATER AND CALCIUM CHLORIDE MUST BE AVAILABLE AT ALL TIMES FOR DUST CONTROL.

CIVIL DEMOLITION

1. REMOVE AND DISPOSE OF EXISTING UTILITIES FOR A DISTANCE OF 10 FEET BEYOND THE PROPOSED BUILDING FOOTPRINT INCLUDING EXTERIOR COLUMNS, UNLESS OTHERWISE NOTED.
2. THE DEMOLITION PLAN IS PROVIDED FOR INFORMATION ONLY AND MAY NOT INDICATE ALL ITEMS REQUIRED TO BE DEMOLISHED. PERFORM A PRE-BID SITE INSPECTION. COORDINATE DEMOLITION OF UNIDENTIFIED UTILITIES OR STRUCTURES WITH OWNER. DEMOLISH STRUCTURES, SITE IMPROVEMENTS, UTILITIES, ETC. AS REQUIRED TO CONSTRUCT PROPOSED TO CONSTRUCT PROPOSED FACILITY AND UTILITY SERVICES.
3. TREES, BRUSH AND STUMPS REMOVED BY CLEARING & GRUBBING OPERATIONS SHALL BE TRANSPORTED OFF THE PROJECT SITE TO AN APPROVED DISPOSAL LOCATION.
4. ABANDONED UTILITY PIPES OVER 6"ø SHALL BE FILLED WITH FLOWABLE FILL. EXCEPTIONS SHALL BE AGREED TO BY OWNER.
5. PROTECT AND MAINTAIN UTILITIES THAT ARE NOT INDICATED TO BE REMOVED OR ABANDONED.

WORK RESTRICTIONS

1. NO WORK SHALL BE STARTED UNTIL SITE PERIMETER FENCING IS ESTABLISHED.
2. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, FIRE HYDRANTS, AND UTILITIES WITHOUT APPROPRIATE PERMITS.
3. STAGING OF MATERIALS OR LAY DOWN AREAS SHALL BE LOCATED WITHIN LIMITS OF WORK. STAGING AND LAY DOWN AREAS MUST BE LOCATED OUTSIDE RESOURCE AREAS AND THEIR ASSOCIATED BUFFER.
4. ALL TRUCKS TRANSPORTING MATERIAL THROUGH THE SITE MUST PASS THROUGH TRUCK WASH STATION TO AVOID CONTAMINATING AREA OUTSIDE SITE.

LEGEND

- TO BE REMOVED
- PROPOSED HAUL ROAD EDGE
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- LINEAR EROSION CONTROL
- PROPOSED SECURITY FENCE
- OVERHEAD POWER LINE
- EXISTING UNDERGROUND POWER LINE
- EXISTING GAS LINE
- EXISTING STORM DRAIN
- EXISTING SANITARY SEWER
- EXISTING FORCE MAIN
- EXISTING FORCE MAIN
- EXISTING UNDERGROUND COMMUNICATION LINE
- EXISTING UNDERGROUND COMMUNICATION LINE
- UTILITY TO BE CAPPED
- MOBILE BARRIERS
- INLET PROTECTION LOCATION
- TO BE REMOVED
- TRUCK WASH STATION
- CONSTRUCTION ENTRANCE

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	11/17/2022	ADDED FENCING AND REVISED UTILITY CAPS	JKF	JR

SCALE:
HORZ.: 1" = 50'
VERT.: N/A
DATUM:
HORZ.: VT83F
VERT.: NAVD88
-50 -25 0 25 50
GRAPHIC SCALE

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205 BILLINGS FARMS ROAD, SUITE 6B
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BURLINGTON HIGH SCHOOL
CIVIL DEMOLITION PLAN
BURLINGTON VERMONT

PROJ. No.: 20191400.A10
DATE: 08/31/2022

CP-101

File: J:\DWG\P2019\1400\A10\Civil\Plan\20191400.A10-STP.dwg Layout: CP-101 Plotted: 2022-11-21 2:02 PM Saved: 2022-11-17 4:29 PM User: JFowler
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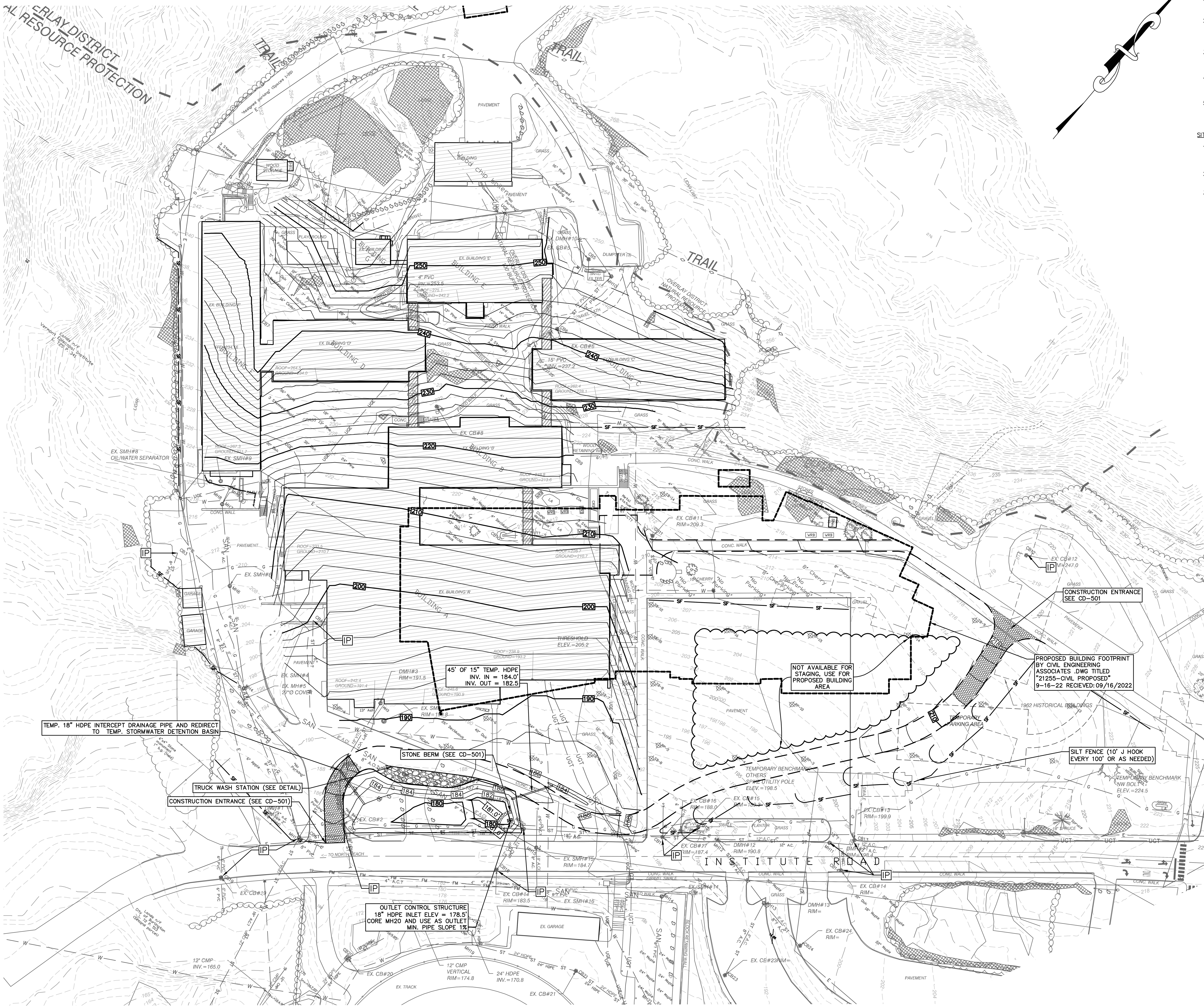
MS VIEW: LAYER STATE:



EROSION AND SEDIMENT CONTROL

1. INSTALL EROSION CONTROL MEASURES PRIOR TO STARTING ANY WORK ON THE SITE. REFER TO THE EROSION AND SEDIMENT CONTROL DETAILS.
2. IMPLEMENT ALL NECESSARY MEASURES REQUIRED TO CONTROL STORMWATER RUNOFF, DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE. PERFORM CORRECTIVE ACTION AS NEEDED FOR EROSION CLEANUP AND REPAIRS TO OFF SITE AREAS, IF ANY, AT NO COST TO OWNER.
3. INSPECT AND MAINTAIN EROSION CONTROL MEASURES PER THE SCHEDULE IN THE EROSION AND SEDIMENT CONTROL DRAWINGS. DISPOSE OF SEDIMENT IN AN UPLAND AREA. DO NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.
4. PERFORM CONSTRUCTION SEQUENCING IN SUCH A MANNER TO CONTROL EROSION AND TO MINIMIZE THE TIME THAT EARTH MATERIALS ARE EXPOSED BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED.
5. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, REMOVE AND DISPOSE OF TEMPORARY EROSION CONTROL MEASURES. CLEAN SEDIMENT AND DEBRIS FROM TEMPORARY MEASURES AND FROM PERMANENT STORM DRAIN AND SANITARY SEWER SYSTEMS.

SITE RESTORATION

1. PROVIDE SEED TO AREAS DISTURBED DURING CONSTRUCTION AND NOT DESIGNATED TO BE RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) UNLESS OTHERWISE NOTED.
2. REPAIR DAMAGES RESULTING FROM CONSTRUCTION LOADS, AT NO ADDITIONAL COST TO OWNER.
3. RESTORE AREAS DISTURBED BY CONSTRUCTION OPERATIONS TO THEIR ORIGINAL CONDITION OR BETTER, AT NO ADDITIONAL COST TO OWNER. EXISTING CURBING, SIDEWALKS, AND PAVEMENT NOT INDICATED TO BE REMOVED SHALL BE REPAIRED AT NOT COST TO THE OWNER/CITY SHOULD THE OWNER/CONTRACTOR DAMAGE THESE DURING THE CONSTRUCTION OF THE SITE.

LEGEND

- TO BE REMOVED
- PROPOSED HAUL ROAD EDGE
- 98 PROPOSED MINOR CONTOUR
- 100 PROPOSED MAJOR CONTOUR
- SF — SF LINEAR EROSION CONTROL
- PROPOSED SECURITY FENCE
- E OVERHEAD POWER LINE
- UGE — UGE EXISTING UNDERGROUND POWER LINE
- G EXISTING GAS LINE
- ST — ST — ST EXISTING STORM DRAIN
- SAN EXISTING SANITARY SEWER
- FM EXISTING FORCE MAIN
- W EXISTING FORCE MAIN
- UGT — UGT EXISTING UNDERGROUND COMMUNICATION LINE
- EXISTING UNDERGROUND COMMUNICATION LINE
- UTILITY TO BE CAPPED
- MOBILE BARRIERS
- IP INLET PROTECTION LOCATION
- TBR TO BE REMOVED
- TRUCK WASH STATION
- CONSTRUCTION ENTRANCE

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SCALE: HORZ.: 1" = 50' VERT.: N/A
DATUM: HORZ.: VT83F VERT.: NAVD88
50 25 0 50 GRAPHIC SCALE

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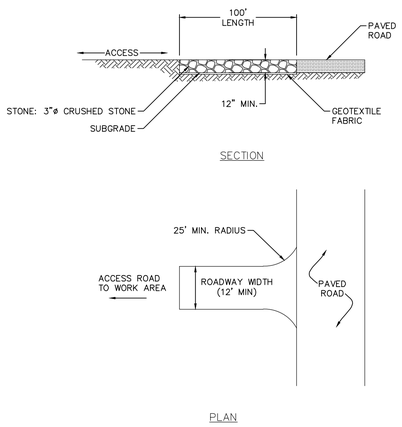
BURLINGTON HIGH SCHOOL
EROSION CONTROL PLAN
BURLINGTON VERMONT

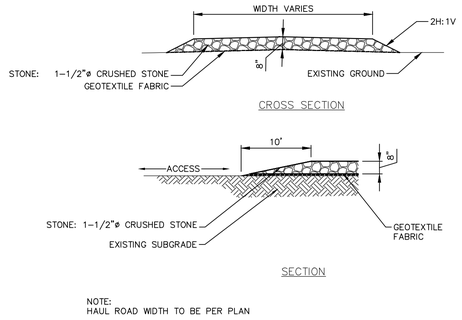
PROJ. No.: 20191400.A10
DATE: 08/31/2022

CE-101



CONSTRUCTION ENTRANCE

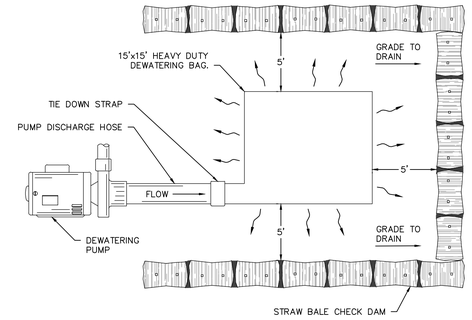
NOT TO SCALE



NOTE:
HAUL ROAD WIDTH TO BE PER PLAN

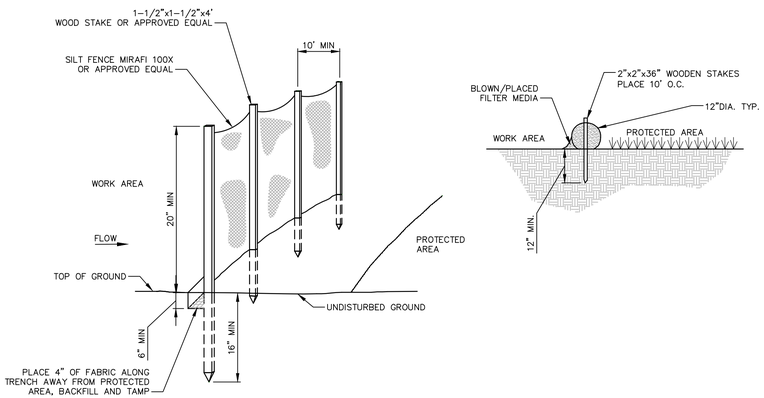
HAUL ROAD DETAIL

NOT TO SCALE



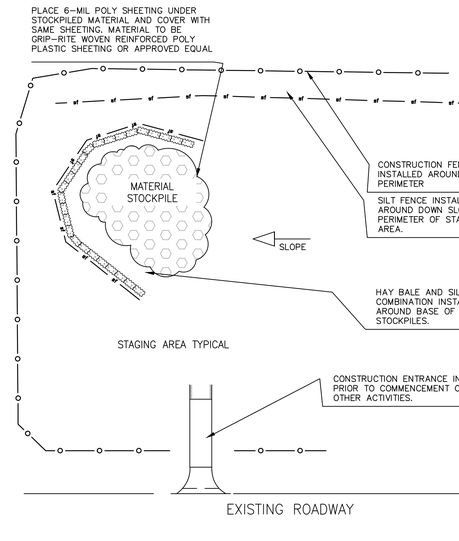
DEWATERING BAG

NOT TO SCALE



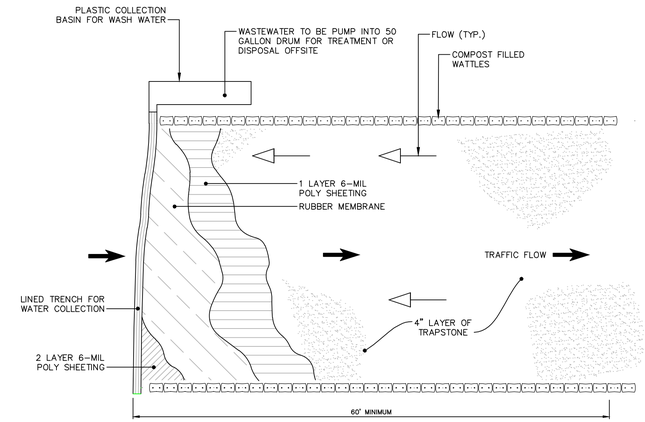
SILT FENCE OR SILT SOCK BARRIER

NOT TO SCALE



TYPICAL STAGING AREA

NOT TO SCALE



TRUCK WASH DECONTAMINATION STATION

NOT TO SCALE

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SCALE:
HORZ.:
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

FUSS & O'NEILL
205 BILLINGS FARMS ROAD, SUITE 6B
WHITE RIVER JUNCTION, VT 05001
802.698.0370
www.fando.com

BURLINGTON HIGH SCHOOL
EROSION CONTROL DETAILS
VERMONT
BURLINGTON

PROJ. No.: 20191400.A10
DATE: 08/31/2022

CD-501

Attachment #7

Section 00 43 23 – Alternates Form

SECTION 00 43 23 - ALTERNATES FORM

PART 1 - PARTICULARS

1.1 THE FOLLOWING IS THE LIST OF ALTERNATES REFERENCED IN THE BID SUBMITTED BY:

1.2 (BIDDER) _____

1.3 TO (OWNER): BURLINGTON SCHOOL DISTRICT

1.4 USE DATED _____ AND WHICH IS AN INTEGRAL PART OF THE BID FORM.

Alternate #1 – Excavation and disposal of up to 6,000 cubic yards of development soils at a licensed receiving facility in accordance with the Contaminated Soil Management "02 61 16" and Earth Moving "31 20 00" specifications. Additional development soils are included outside of the base bid scope as detailed on Plan Sheet ALT-1 – Bid Alternate 1. These soils are development soils with concentrations of polychlorinated biphenyls less than 1 ppm.

ADD $_____ lump sum

Alternate #2 – Decommissioning, removal, and new installation of truck wash station at a location to be determined at a later date. Work to be completed in accordance with the Temporary Erosion and Sediment Controls "01 57 13", Erosion and Sedimentation Controls "31 25 00", and Plan Sheet CD-501 – Erosion Control Details. Contractor to dispose or treat collected water, and materials to be disposed of as PCB remedial waste. The base bid does not include removal and new installation of truck wash station.

ADD $_____ lump sum

Alternate #3 – Contractor to prepare and obtain an alternative work practice approval by the Vermont Department of Health for (blasting) dry removal method alternate. Blasting is the preferred removal method by the Owner. Completion of mastic removal via dry removal (blasting) in lieu of wet methods. The base bid includes mastic removal as wet methods.

DEDUCT $_____ lump sum

Alternate #4 - The Engineer/Consultant will prepare an alternative work practice for approval by the Vermont Department of Health for a waiver to complete exterior abatement of asbestos and co-mingled asbestos and PCB containing caulking materials without poly encapsulation. The alternate is completion of exterior abatement without poly-encapsulation. The base bid includes poly encapsulation for exterior caulking material removal.

DEDUCT $_____ lump sum

END OF SECTION

Attachment #8

Logistics Plan from Whiting Turner

Phase 1 - January 2023 thru May 1st 2023

Logistic notes & comments:

1. This plan represents some of the areas that WT plans on utilizing in the early spring of 2023. The drawing will also assist with logistics planning for the demolition contractor. Please reach out to the WT team for questions related to this document.

2. It is assumed that the demo contractor will develop a logistics plan prior to mobilizing, and will be distributed to the appropriate project personnel.

3. WT is not the controlling contractor for the demolition work, therefore all site controls, barriers, access roads, signage, safety protocols, etc...is by the demo contractor.

Sidewalk closed sign?

Planned location for SUBCONTRACTOR TRAILERS 10'x30'

WT MAIN OFFICE (triple-wide)

GATE #1

PARKING LOT (with C Containers)

Parking for construction workers during normal business hours - BSD will use these for sports when in season.

n/f CITY OF BURLINGTON / PARKS AND RECREATION

n/f S. NORBU & D. DOLMA

n/f B. HUYNH & K. HANG

n/f Y. PHAN

n/f H. LATVALA

n/f A. & A. GALLUCCI

n/f J. CAVORETTO

n/f B. HUFF

TRAIL

OVERLAY DISTRICT: RIPARIAN/LAKESHORE PROTECTION

EX. BUILDING 'E'

EX. BUILDING 'D'

EX. BUILDING 'C'

EX. BUILDING 'B'

EX. BUILDING 'A'

INSTITUTE ROAD

NORTH AVE

n/f CITY OF BURLINGTON PARKS AND REC.

ARTIFICIAL TURF

CITY SCHOOL DEPARTMENT

n/f CITY DPW CEMETERY DEPARTMENT LAKE VIEW CEMETERY

GRAPHIC SCALE

80 0 40 80 160 320

(IN FEET)
1 inch = 80 ft.

NOTES

1. *UTILITIES SHOWN DO NOT PURPORT TO CONSTITUTE OR REPRESENT ALL UTILITIES LOCATED UPON OR ADJACENT TO THE SURVEYED PREMISES. EXISTING UTILITY LOCATIONS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL UTILITY CONFLICTS. ALL DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER. THE CONTRACTOR SHALL CONTACT DIG SAFE (888-344-7233) PRIOR TO ANY CONSTRUCTION.*
2. *PROPERTY LINE INFORMATION IS BASED ON A PLAN ENTITLED "EXISTING CONDITIONS SURVEY OF BURLINGTON HIGH SCHOOL AND BURLINGTON TECHNICAL CENTER" PREPARED BY AES NORTHEAST DATED 2014. THIS PLAN IS NOT A BOUNDARY SURVEY AND IS NOT INTENDED TO BE USED AS ONE.*
3. *SITE INFORMATION IS BASED ON A PLAN ENTITLED "EXISTING CONDITIONS SURVEY OF BURLINGTON HIGH SCHOOL AND BURLINGTON TECHNICAL CENTER" PREPARED BY AES NORTHEAST DATED 2014 AND FIELD SURVEY PERFORMED BY CIVIL ENGINEERING ASSOCIATES, INC DECEMBER 2021. CIVIL ENGINEERING ASSOCIATES, INC. SURVEY ORIENTATION IS "GRID NORTH", VERMONT COORDINATE SYSTEM OF 1983 (HORIZONTAL) AND NAVD88 (VERTICAL) ESTABLISHED FROM GPS OBSERVATIONS ON SITE.*
5. *CONTOUR INFORMATION OUTSIDE OF AREA OF INTEREST IS BASED UPON LIDAR DATA FROM 2014. HORIZONTAL AND VERTICAL DATUM BASED ON VCS NAD 83 AND NAVD 88.*

LEGEND

- *APPROXIMATE PROPERTY LINE*
- *APPROXIMATE SETBACK LINE*
- *EXISTING CONTOUR* (100)
- *EXISTING CURB*
- *EXISTING FENCE*
- *EXISTING GRAVEL*
- *EXISTING PAVEMENT*
- *EXISTING OVERHEAD ELECTRIC* (OE)
- *EXISTING UNDERGROUND ELECTRIC* (UE)
- *EXISTING UNDERGROUND COMMUNICATIONS* (C)
- *EXISTING FORCEMAIN* (FM)
- *EXISTING GAS* (G)
- *EXISTING STORM* (ST)
- *EXISTING GRAVITY SEWER* (S)
- *EXISTING TELEPHONE* (T)
- *EXISTING WATER* (W)
- *EXISTING SWALE*
- *STREAM*
- *EXISTING SEWER MANHOLE*
- *EXISTING STORM MANHOLE*
- *EXISTING CATCH BASIN*
- *EXISTING HYDRANT*
- *EXISTING SHUT OFF*
- *EXISTING UTILITY POLE*
- *EXISTING LIGHT POLE*
- *EXISTING GUY WIRE/POLE*
- *EXISTING SIGN*
- *EXISTING DECIDUOUS TREE*
- *EXISTING CONIFEROUS TREE*
- *EDGE OF BRUSH/WOODS*
- *IRON ROD/PIPE FOUND*
- *PROJECT BENCHMARK*

SCHEMATIC DESIGN - NOT FOR CONSTRUCTION

freeman | french | freeman
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BURLINGTON HIGH SCHOOL & BURLINGTON TECHNICAL CENTER

BURLINGTON, VT

FFF PROJECT NO.: 21255

ORIGINATION DATE: 07/01/2022

SCALE: 1" = 80'

DRAWN BY: MAB

CHECKED BY: DSM

ISSUE LOG:

SHEET CONTENTS: OVERALL EXISTING CONDITIONS SITE PLAN

SHEET NO.: C1.0

Phase 2 - May 2023 to Hazmat demob (August 2023)

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- *PROJECT BENCHMARK*

Logistic notes & comments:

1. WT to mobilize to site and establishing our controlled access zones - May 1st 2023

2. Building A & B (in their entirety) are gone by May 15th 2022.

3. No stockpiles in the area surrounded by the fence identified as "WT's controlled access area".

4. A controlled access area is defined as a fenced area with restrictive access points that are maintained and monitored for personnel and equipment access. Both WT & Non-WT entities.

5. Parking for demo contractor is suggested to be at the far north side of the property.

6. Demo contractor to demobilize from their established truck wash station / storm pond location by 7/1/2023.

7. Access road within WT's controlled access area is not intended for regular use by the Demo contractor.

= WT controlled access area

Sidewalk closed sign?

Demo Contractor Parking

Potential Demo contractor stockpile location

GATE #4

Demo contractor recommended to move Truck Wash station / Storm Pond to a location closer to Bldg C,D,E,F....Demo contractor to demobilize from this area by 7/1/2023.

Demo contractor controlled access road

Construction - temp. storm pond

WT controlled - Construction - Access Road (installed by WT) - See note #7

Phase 1 access road will be removed/modified by WT

SUBCONTRACTOR TRAILERS 10'x30'

GATE #2

Construction Access point (stone drive - tracking pad)

WT MAIN OFFICE (triple-wide)

GATE #3

Storage container

GATE #1

PARKING LOT (storage/parking)

WT Parking for construction workers during normal business hours - BSD will use these during spring/summer/fall sports.

INSTITUTE ROAD

n/f S. NORBU & D. DOLMA

n/f B. HUYNH & K. HANG

n/f Y. PHAN

n/f H. LATVALA

n/f A. & A. GALLUCCI

n/f J. CAVORETTO

n/f B. HUFF

n/f CITY OF BURLINGTON / PARKS AND RECREATION

n/f CITY OF BURLINGTON / PARKS AND RECREATION

ARTIFICIAL TURF

CITY SCHOOL DEPARTMENT

n/f CITY DPW CEMETERY DEPARTMENT LAKE VIEW CEMETERY

EX. BUILDING 'A'

EX. BUILDING 'B'

EX. BUILDING 'C'

EX. BUILDING 'D'

EX. BUILDING 'E'

EX. BUILDING 'F'

TRAIL

OVERLAY DISTRICT RIPARIAN BUFFER PROTECTION

OVERLAY DISTRICT STREAM BUFFER PROTECTION

OVERLAY DISTRICT WETLAND BUFFER PROTECTION

FM

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