

CERTIFICATE OF ANALYSIS

Client: OHCS Inc.
209 Catharine St.
Philadelphia PA 19147

Report Date: 2/3/2020
Report No.: 608989 - TEM AHERA
Project: Ben Franklin
Project No.:

Client: OHC164

TEM AIR SAMPLE ANALYSIS SUMMARY

Lab No.: 6963555
Client No.: 010320BEN01

Volume: 1800.0 L
Location: Center Of Room 601
Date Sampled: 1/3/20

Density (s/mm²): <19.2
Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963556
Client No.: 010320BEN02

Volume: 1810.0 L
Location: Center Of Room 606
Date Sampled: 1/3/20

Density (s/mm²): <19.2
Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963557
Client No.: 010320BEN03

Volume: 1810.0 L
Location: Center Of Room 611
Date Sampled: 1/3/20

Density (s/mm²): <19.2
Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963558
Client No.: 010320BEN04

Volume: 1810.0 L
Location: Center Of Room 612
Date Sampled: 1/3/20

Density (s/mm²): <19.2
Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963559
Client No.: 010320BEN05

Volume: 1810.0 L
Location: Center Of Room 613
Date Sampled: 1/3/20

Density (s/mm²): <19.2
Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 2/3/2020

Date Analyzed: 02/03/2020

Signature: 

Analyst: Craig Liska

Approved By: 

Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: OHCS Inc.
209 Catharine St.
Philadelphia PA 19147

Report Date: 2/3/2020
Report No.: 608989 - TEM AHERA
Project: Ben Franklin
Project No.:

Client: OHC164

TEM AIR SAMPLE ANALYSIS SUMMARY

Lab No.: 6963560
Client No.: 010320BEN06

Volume: 1820.0 L
Location: Center Of Room 616
Date Sampled: 1/3/20

Density (s/mm²): <19.2
Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963561
Client No.: 010320BEN07

Volume: 1820.0 L
Location: Center Of Room 636
Date Sampled: 1/3/20

Density (s/mm²): <19.2
Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963562
Client No.: 010320BEN08

Volume: 1800.0 L
Location: Center Of Room 502
Date Sampled: 1/3/20

Density (s/mm²): <19.2
Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963563
Client No.: 010320BEN09

Volume: 1800.0 L
Location: Center Of Room 507
Date Sampled: 1/3/20

Density (s/mm²): <19.2
Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963564
Client No.: 010320BEN10

Volume: 1800.0 L
Location: Center Of Room 520
Date Sampled: 1/3/20

Density (s/mm²): <19.2
Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

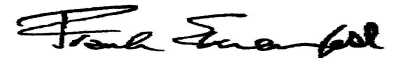
Date Received: 2/3/2020

Date Analyzed: 02/04/2020

Signature: 

Analyst: Craig Liska

Approved By:



Frank E. Ehrenfeld, III

Laboratory Director

CERTIFICATE OF ANALYSIS

Client: OHCS Inc.
209 Catharine St.
Philadelphia PA 19147

Report Date: 2/3/2020
Report No.: 608989 - TEM AHERA
Project: Ben Franklin
Project No.:

Client: OHC164

Appendix to Analytical Report:

Customer Contact: Jerry - Alia Roseman
Method: 40 CFR 763 Final Rule

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com
iATL Office Manager: wchampion@iatl.com
iATL Account Representative: Shirley Clark
Sample Matrix: Air Cassettes

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

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This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by 40 CFR 763 Final Rule

Certifications:

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021

All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. AHERA guidelines recommend a minimum of 1200 L (0.0049 s/cc).

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation.

CERTIFICATE OF ANALYSIS

Client: OHCS Inc.
209 Catharine St.
Philadelphia PA 19147

Report Date: 2/3/2020
Report No.: 608989 - TEM AHERA
Project: Ben Franklin
Project No.:

Client: OHC164

TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6963555
Client No.: 010320BEN01

Volume (L): 1800.0 L
Date Sampled: 1/3/20
Location: Center Of Room 601

Filter Type: MCE
Filter Size (mm²): 385
Pore Size (µm): 0.45

Grid Openings: 4
Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Sensitivity (s/mm²): 19.2
Detection Limit (s/cc): 0.0041

Asbestos Structures: None Detected

Structures 0.5 µm to <5.0 µm: None Detected
Structures ≥ 5.0 µm: None Detected
Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Non-Asbestos Structures: None Detected

Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Non-Asbestos Type(s): None Detected

Micrograph Number:
EDXA Spectrum ID:

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963556
Client No.: 010320BEN02

Volume (L): 1810.0 L
Date Sampled: 1/3/20
Location: Center Of Room 606

Filter Type: MCE
Filter Size (mm²): 385
Pore Size (µm): 0.45

Grid Openings: 4
Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Sensitivity (s/mm²): 19.2
Detection Limit (s/cc): 0.0041

Asbestos Structures: None Detected

Structures 0.5 µm to <5.0 µm: None Detected
Structures ≥ 5.0 µm: None Detected
Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected


Non-Asbestos Structures: None Detected


Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Non-Asbestos Type(s): None Detected

Micrograph Number:
EDXA Spectrum ID:

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 2/3/2020
Date Analyzed: 02/03/2020
Signature: 
Analyst: Craig Liska

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: OHCS Inc.
209 Catharine St.
Philadelphia PA 19147

Report Date: 2/3/2020
Report No.: 608989 - TEM AHERA
Project: Ben Franklin
Project No.:

Client: OHC164

TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6963557
Client No.: 010320BEN03

Volume (L): 1810.0 L
Date Sampled: 1/3/20
Location: Center Of Room 611

Filter Type: MCE
Filter Size (mm²): 385
Pore Size (µm): 0.45

Grid Openings: 4
Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Sensitivity (s/mm²): 19.2
Detection Limit (s/cc): 0.0041

Asbestos Structures: None Detected

Structures 0.5 µm to <5.0 µm: None Detected
Structures ≥ 5.0 µm: None Detected
Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Non-Asbestos Structures: None Detected

Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Non-Asbestos Type(s): None Detected

Micrograph Number:
EDXA Spectrum ID:

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963558
Client No.: 010320BEN04

Volume (L): 1810.0 L
Date Sampled: 1/3/20
Location: Center Of Room 612

Filter Type: MCE
Filter Size (mm²): 385
Pore Size (µm): 0.45

Grid Openings: 4
Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Sensitivity (s/mm²): 19.2
Detection Limit (s/cc): 0.0041

Asbestos Structures: None Detected

Structures 0.5 µm to <5.0 µm: None Detected
Structures ≥ 5.0 µm: None Detected
Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected


Non-Asbestos Structures: None Detected


Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Non-Asbestos Type(s): None Detected

Micrograph Number:
EDXA Spectrum ID:

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 2/3/2020
Date Analyzed: 02/03/2020
Signature: 
Analyst: Craig Liska

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: OHCS Inc.
209 Catharine St.
Philadelphia PA 19147

Report Date: 2/3/2020
Report No.: 608989 - TEM AHERA
Project: Ben Franklin
Project No.:

Client: OHC164

TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6963559
Client No.: 010320BEN05

Volume (L): 1810.0 L
Date Sampled: 1/3/20
Location: Center Of Room 613

Filter Type: MCE
Filter Size (mm²): 385
Pore Size (µm): 0.45

Grid Openings: 4
Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Sensitivity (s/mm²): 19.2
Detection Limit (s/cc): 0.0041

Asbestos Structures: None Detected

Structures 0.5 µm to <5.0 µm: None Detected
Structures ≥ 5.0 µm: None Detected
Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): ≤0.0041
Asbestos Type(s): None Detected


Non-Asbestos Structures: None Detected


Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Non-Asbestos Type(s): None Detected

Micrograph Number:
EDXA Spectrum ID:

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 2/3/2020
Date Analyzed: 02/03/2020
Signature: 
Analyst: Craig Liska

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: OHCS Inc.
209 Catharine St.
Philadelphia PA 19147

Report Date: 2/3/2020
Report No.: 608989 - TEM AHERA
Project: Ben Franklin
Project No.:

Client: OHC164

TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6963560
Client No.: 010320BEN06

Volume (L): 1820.0 L
Date Sampled: 1/3/20
Location: Center Of Room 616

Filter Type: MCE
Filter Size (mm²): 385
Pore Size (µm): 0.45

Grid Openings: 4
Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Sensitivity (s/mm²): 19.2
Detection Limit (s/cc): 0.0041

Asbestos Structures: None Detected

Structures 0.5 µm to <5.0 µm: None Detected
Structures ≥ 5.0 µm: None Detected
Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Non-Asbestos Structures: None Detected

Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Non-Asbestos Type(s): None Detected

Micrograph Number:
EDXA Spectrum ID:

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963561
Client No.: 010320BEN07

Volume (L): 1820.0 L
Date Sampled: 1/3/20
Location: Center Of Room 636

Filter Type: MCE
Filter Size (mm²): 385
Pore Size (µm): 0.45

Grid Openings: 4
Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Sensitivity (s/mm²): 19.2
Detection Limit (s/cc): 0.0041

Asbestos Structures: None Detected

Structures 0.5 µm to <5.0 µm: None Detected
Structures ≥ 5.0 µm: None Detected
Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected


Non-Asbestos Structures: None Detected


Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Non-Asbestos Type(s): None Detected

Micrograph Number:
EDXA Spectrum ID:

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 2/3/2020
Date Analyzed: 02/04/2020
Signature: 
Analyst: Craig Liska

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: OHCS Inc.
209 Catharine St.
Philadelphia PA 19147

Report Date: 2/3/2020
Report No.: 608989 - TEM AHERA
Project: Ben Franklin
Project No.:

Client: OHC164

TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6963562
Client No.: 010320BEN08

Volume (L): 1800.0 L
Date Sampled: 1/3/20
Location: Center Of Room 502

Filter Type: MCE
Filter Size (mm²): 385
Pore Size (µm): 0.45

Grid Openings: 4
Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Sensitivity (s/mm²): 19.2
Detection Limit (s/cc): 0.0041

Asbestos Structures: None Detected

Structures 0.5 µm to <5.0 µm: None Detected
Structures ≥ 5.0 µm: None Detected
Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Non-Asbestos Structures: None Detected

Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Non-Asbestos Type(s): None Detected

Micrograph Number:
EDXA Spectrum ID:

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963563
Client No.: 010320BEN09

Volume (L): 1800.0 L
Date Sampled: 1/3/20
Location: Center Of Room 507

Filter Type: MCE
Filter Size (mm²): 385
Pore Size (µm): 0.45

Grid Openings: 4
Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Sensitivity (s/mm²): 19.2
Detection Limit (s/cc): 0.0041

Asbestos Structures: None Detected

Structures 0.5 µm to <5.0 µm: None Detected
Structures ≥ 5.0 µm: None Detected
Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Non-Asbestos Structures: None Detected

Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Non-Asbestos Type(s): None Detected

Micrograph Number:
EDXA Spectrum ID:

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 2/3/2020
Date Analyzed: 02/04/2020
Signature:
Analyst: Craig Liska

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: OHCS Inc.
209 Catharine St.
Philadelphia PA 19147

Report Date: 2/3/2020
Report No.: 608989 - TEM AHERA
Project: Ben Franklin
Project No.:

Client: OHC164

TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6963564
Client No.: 010320BEN10

Volume (L): 1800.0 L
Date Sampled: 1/3/20
Location: Center Of Room 520

Filter Type: MCE
Filter Size (mm²): 385
Pore Size (µm): 0.45

Grid Openings: 4
Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Sensitivity (s/mm²): 19.2
Detection Limit (s/cc): 0.0041

Asbestos Structures: None Detected


Structures 0.5 µm to <5.0 µm: None Detected
Structures ≥ 5.0 µm: None Detected
Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): ≤0.0041
Asbestos Type(s): None Detected


Non-Asbestos Structures: None Detected

Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Non-Asbestos Type(s): None Detected

Micrograph Number:
EDXA Spectrum ID:
Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 2/3/2020
Date Analyzed: 02/04/2020
Signature: 
Analyst: Craig Liska

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: OHCS Inc.
209 Catharine St.
Philadelphia PA 19147

Client: OHC164

Report Date: 2/3/2020
Report No.: 608989 - TEM AHERA
Project: Ben Franklin
Project No.:

OHCS Inc.

Occupational Health Consultation Services
209 Catharine Street, Philadelphia, PA 19147
Cell: 215-407-3900 Office: 215-925-3870 Fax: 215-925-3872

J.Roseman@ohcs.net jeralisa@icloud.com

①

CHAIN OF CUSTODY - Air Samples

CLIENT: PFT	SITE: BEN FRANKLIN
PROJECT #:	PAGE #: 1 OF 1
SAMPLED BY: TIM DALY	DATE: 1.3.20.
CONTAMINANTS: ASBESTOS	ANALYSIS NEEDED BY: 12 HOUR.

	SAMPLE #	VOLUME	TYPE	COMMENTS	
1235	010320 BEN 01	1800	TEM	CENTER OF ROOM 601	6963555
1236	010320 BEN 02	1810		CENTER OF ROOM 606	6963557
1237	010320 BEN 03	1810		CENTER OF ROOM 611	6963558
1238	010320 BEN 04	1810		CENTER OF ROOM 612	6963559
1239	010320 BEN 05	1810		CENTER OF ROOM 613	6963560
1240	010320 BEN 06	1820		CENTER OF ROOM 616	6963561
1241	010320 BEN 07	1820		CENTER OF ROOM 636	6963562
1320	010320 BEN 08	1800		CENTER OF ROOM 502	6963563
1321	010320 BEN 09	1800		CENTER OF ROOM 507	6963564
1322	010320 BEN 10	1800		CENTER OF ROOM 520	6963565

SAMPLE PACKAGED AND SEALED BY: Tim Daly DATE: 1.3.20 TIME: 1:30

SENT TO: INTL

CONDITION UPON RECEIPT (DAMAGED / UNDA MAGED)

RECEIVED
FEB 3 2020

ATL - By Co
ANALYZED: 2/3/20
2/4/20
QA: Kdmych 2/4/20

CERTIFICATE OF ANALYSIS

Client: OHCS Inc.
209 Catharine St.
Philadelphia PA 19147

Report Date: 2/4/2020
Report No.: 608993 - TEM AHERA
Project: Ben Franklin; 5th & 4th Floors
Project No.:

Client: OHC164

TEM AIR SAMPLE ANALYSIS SUMMARY

Lab No.: 6963614
Client No.: 020320BEN11

Volume: 1820.0 L
Location: Corridor By Classroom 509
Date Sampled: 2/3/20

Density (s/mm²): <19.2
Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963615
Client No.: 020320BEN12

Volume: 1820.0 L
Location: Corridor By IT Room 510
Date Sampled: 2/3/20

Density (s/mm²): 19.2
Concentration (s/cc): 0.0041
Asbestos Type(s): Crocidolite

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963616
Client No.: 020320BEN13

Volume: 1800.0 L
Location: Room 526 Behind Desk
Date Sampled: 2/3/20

Density (s/mm²): <19.2
Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963617
Client No.: 020320BEN14

Volume: 1800.0 L
Location: Room 402 Entrance
Date Sampled: 2/3/20

Density (s/mm²): <19.2
Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963618
Client No.: 020320BEN15

Volume: 1800.0 L
Location: Room 409 Entrance
Date Sampled: 2/3/20

Density (s/mm²): <19.2
Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963619
Client No.: 020320BEN16

Volume: 1810.0 L
Location: Room 412 Center
Date Sampled: 2/3/20

Density (s/mm²): <19.2
Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963620
Client No.: 020320BEN17

Volume: 1810.0 L
Location: Room 417 Center
Date Sampled: 2/3/20

Density (s/mm²): <19.2
Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 2/3/2020

Date Analyzed: 02/04/2020

Signature:

Analyst: Craig Liska

Approved By:

Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: OHCS Inc.
209 Catharine St.
Philadelphia PA 19147

Report Date: 2/4/2020
Report No.: 608993 - TEM AHERA
Project: Ben Franklin; 5th & 4th Floors
Project No.:

Client: OHC164

TEM AIR SAMPLE ANALYSIS SUMMARY

Lab No.: 6963621
Client No.: 020320BEN18

Volume: 1810.0 L
Location: Room 421 Entrance
Date Sampled: 2/3/20

Density (s/mm²): <19.2
Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963622
Client No.: 020320BEN19

Volume: 1800.0 L
Location: Room 422 Behind Desk
Date Sampled: 2/3/20

Density (s/mm²): <19.2
Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc


Lab No.: 6963623
Client No.: 020320BEN20


Volume: 1810.0 L
Location: Room 428 Center
Date Sampled: 2/3/20

Density (s/mm²): <19.2
Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 2/3/2020
Date Analyzed: 02/04/2020
Signature: 
Analyst: Craig Liska

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: OHCS Inc.
209 Catharine St.
Philadelphia PA 19147

Report Date: 2/4/2020
Report No.: 608993 - TEM AHERA
Project: Ben Franklin; 5th & 4th Floors
Project No.:

Client: OHC164

Appendix to Analytical Report:

Customer Contact: Jerry - Alia Roseman
Method: 40 CFR 763 Final Rule

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com
iATL Office Manager: wchampion@iatl.com
iATL Account Representative: Shirley Clark
Sample Matrix: Air Cassettes

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

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Information Pertinent to this Report:

Analysis by 40 CFR 763 Final Rule

Certifications:

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021

All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. AHERA guidelines recommend a minimum of 1200 L (0.0049 s/cc).

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation.

CERTIFICATE OF ANALYSIS

Client: OHCS Inc.
209 Catharine St.
Philadelphia PA 19147

Report Date: 2/4/2020
Report No.: 608993 - TEM AHERA
Project: Ben Franklin; 5th & 4th Floors
Project No.:

Client: OHC164

TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6963614
Client No.: 020320BEN11

Volume (L): 1820.0 L
Date Sampled: 2/3/20
Location: Corridor By Classroom 509

Filter Type: MCE
Filter Size (mm²): 385
Pore Size (µm): 0.45

Grid Openings: 4
Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Sensitivity (s/mm²): 19.2
Detection Limit (s/cc): 0.0041

Asbestos Structures: None Detected

Structures 0.5 µm to <5.0 µm: None Detected
Structures ≥ 5.0 µm: None Detected
Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Non-Asbestos Structures: None Detected

Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Non-Asbestos Type(s): None Detected

Micrograph Number:
EDXA Spectrum ID:

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963615
Client No.: 020320BEN12

Volume (L): 1820.0 L
Date Sampled: 2/3/20
Location: Corridor By IT Room 510

Filter Type: MCE
Filter Size (mm²): 385
Pore Size (µm): 0.45

Grid Openings: 4
Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Sensitivity (s/mm²): 19.2
Detection Limit (s/cc): 0.0041

Asbestos Structures: 1

Structures 0.5 µm to <5.0 µm: None Detected
Structures ≥ 5.0 µm: 1
Structure Density (s/mm²): 19.2
Structure Concentration (s/cc): 0.0041
Asbestos Type(s): Crocidolite


Non-Asbestos Structures: None Detected


Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Non-Asbestos Type(s): None Detected

Micrograph Number: DP 2779
EDXA Spectrum ID:

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 2/3/2020
Date Analyzed: 02/04/2020
Signature: 
Analyst: Craig Liska

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: OHCS Inc.
209 Catharine St.
Philadelphia PA 19147

Report Date: 2/4/2020
Report No.: 608993 - TEM AHERA
Project: Ben Franklin; 5th & 4th Floors
Project No.:

Client: OHC164

TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6963616
Client No.: 020320BEN13

Volume (L): 1800.0 L
Date Sampled: 2/3/20
Location: Room 526 Behind Desk

Filter Type: MCE
Filter Size (mm²): 385
Pore Size (µm): 0.45

Grid Openings: 4
Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Sensitivity (s/mm²): 19.2
Detection Limit (s/cc): 0.0041

Asbestos Structures: None Detected

Structures 0.5 µm to <5.0 µm: None Detected
Structures ≥ 5.0 µm: None Detected
Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Non-Asbestos Structures: None Detected

Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Non-Asbestos Type(s): None Detected

Micrograph Number:
EDXA Spectrum ID:

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963617
Client No.: 020320BEN14

Volume (L): 1800.0 L
Date Sampled: 2/3/20
Location: Room 402 Entrance

Filter Type: MCE
Filter Size (mm²): 385
Pore Size (µm): 0.45

Grid Openings: 4
Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Sensitivity (s/mm²): 19.2
Detection Limit (s/cc): 0.0041

Asbestos Structures: None Detected

Structures 0.5 µm to <5.0 µm: None Detected
Structures ≥ 5.0 µm: None Detected
Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected


Non-Asbestos Structures: None Detected


Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Non-Asbestos Type(s): None Detected

Micrograph Number:
EDXA Spectrum ID:

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 2/3/2020
Date Analyzed: 02/04/2020
Signature: 
Analyst: Craig Liska

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: OHCS Inc.
209 Catharine St.
Philadelphia PA 19147

Report Date: 2/4/2020
Report No.: 608993 - TEM AHERA
Project: Ben Franklin; 5th & 4th Floors
Project No.:

Client: OHC164

TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6963618
Client No.: 020320BEN15

Volume (L): 1800.0 L
Date Sampled: 2/3/20
Location: Room 409 Entrance

Filter Type: MCE
Filter Size (mm²): 385
Pore Size (µm): 0.45

Grid Openings: 4
Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Sensitivity (s/mm²): 19.2
Detection Limit (s/cc): 0.0041

Asbestos Structures: None Detected

Structures 0.5 µm to <5.0 µm: None Detected
Structures ≥ 5.0 µm: None Detected
Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Non-Asbestos Structures: None Detected

Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Non-Asbestos Type(s): None Detected

Micrograph Number:
EDXA Spectrum ID:

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963619
Client No.: 020320BEN16

Volume (L): 1810.0 L
Date Sampled: 2/3/20
Location: Room 412 Center

Filter Type: MCE
Filter Size (mm²): 385
Pore Size (µm): 0.45

Grid Openings: 4
Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Sensitivity (s/mm²): 19.2
Detection Limit (s/cc): 0.0041

Asbestos Structures: None Detected

Structures 0.5 µm to <5.0 µm: None Detected
Structures ≥ 5.0 µm: None Detected
Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected


Non-Asbestos Structures: None Detected


Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Non-Asbestos Type(s): None Detected

Micrograph Number:
EDXA Spectrum ID:

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 2/3/2020
Date Analyzed: 02/04/2020
Signature: 
Analyst: Craig Liska

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: OHCS Inc.
209 Catharine St.
Philadelphia PA 19147

Report Date: 2/4/2020
Report No.: 608993 - TEM AHERA
Project: Ben Franklin; 5th & 4th Floors
Project No.:

Client: OHC164

TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6963620
Client No.: 020320BEN17

Volume (L): 1810.0 L
Date Sampled: 2/3/20
Location: Room 417 Center

Filter Type: MCE
Filter Size (mm²): 385
Pore Size (µm): 0.45

Grid Openings: 4
Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Sensitivity (s/mm²): 19.2
Detection Limit (s/cc): 0.0041

Asbestos Structures: None Detected

Structures 0.5 µm to <5.0 µm: None Detected
Structures ≥ 5.0 µm: None Detected
Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Non-Asbestos Structures: None Detected

Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Non-Asbestos Type(s): None Detected

Micrograph Number:
EDXA Spectrum ID:

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963621
Client No.: 020320BEN18

Volume (L): 1810.0 L
Date Sampled: 2/3/20
Location: Room 421 Entrance

Filter Type: MCE
Filter Size (mm²): 385
Pore Size (µm): 0.45

Grid Openings: 4
Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Sensitivity (s/mm²): 19.2
Detection Limit (s/cc): 0.0041

Asbestos Structures: None Detected

Structures 0.5 µm to <5.0 µm: None Detected
Structures ≥ 5.0 µm: None Detected
Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Non-Asbestos Structures: None Detected


Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Non-Asbestos Type(s): None Detected

Micrograph Number:
EDXA Spectrum ID:

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 2/3/2020
Date Analyzed: 02/04/2020
Signature: 
Analyst: Craig Liska

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: OHCS Inc.
209 Catharine St.
Philadelphia PA 19147

Report Date: 2/4/2020
Report No.: 608993 - TEM AHERA
Project: Ben Franklin; 5th & 4th Floors
Project No.:

Client: OHC164

TEM AIR SAMPLE ANALYSIS DETAILS

Lab No.: 6963622
Client No.: 020320BEN19

Volume (L): 1800.0 L
Date Sampled: 2/3/20
Location: Room 422 Behind Desk

Filter Type: MCE
Filter Size (mm²): 385
Pore Size (µm): 0.45

Grid Openings: 4
Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Sensitivity (s/mm²): 19.2
Detection Limit (s/cc): 0.0041

Asbestos Structures: None Detected

Structures 0.5 µm to <5.0 µm: None Detected
Structures ≥ 5.0 µm: None Detected
Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected

Non-Asbestos Structures: None Detected

Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Non-Asbestos Type(s): None Detected

Micrograph Number:
EDXA Spectrum ID:

Geometric Mean = 0.0041 Structures/cc

Lab No.: 6963623
Client No.: 020320BEN20

Volume (L): 1810.0 L
Date Sampled: 2/3/20
Location: Room 428 Center

Filter Type: MCE
Filter Size (mm²): 385
Pore Size (µm): 0.45

Grid Openings: 4
Opening Area (mm²): 0.013
Area Analyzed (mm²): 0.0520
Sensitivity (s/mm²): 19.2
Detection Limit (s/cc): 0.0041

Asbestos Structures: None Detected

Structures 0.5 µm to <5.0 µm: None Detected
Structures ≥ 5.0 µm: None Detected
Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Asbestos Type(s): None Detected


Non-Asbestos Structures: None Detected


Structure Density (s/mm²): <19.2
Structure Concentration (s/cc): <0.0041
Non-Asbestos Type(s): None Detected

Micrograph Number:
EDXA Spectrum ID:

Geometric Mean = 0.0041 Structures/cc

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 2/3/2020
Date Analyzed: 02/04/2020
Signature: 
Analyst: Craig Liska

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: OHCS Inc.
209 Catharine St.
Philadelphia PA 19147

Client: OHC164

Report Date: 2/4/2020
Report No.: 608993 - TEM AHERA
Project: Ben Franklin; 5th & 4th Floors
Project No.:

OHCS Inc.

Occupational Health Consultation Services
209 Catharine Street, Philadelphia, PA 19147
Cell: 215-407-3900 Office: 215-925-3870 Fax: 215-925-3872

J.Roseman@ohcs.net heralino@icloud.com

(2)

CHAIN OF CUSTODY - Air Samples

CLIENT: PFT.	SITE: BEN FRANKLIN
PROJECT #: 5TH + 4TH FLOORS.	PAGE #: 1 of 1.
SAMPLED BY: TIM FAHEY	DATE: 2.3.20
CONTAMINANTS: ASBESTOS	ANALYSIS NEEDED BY: 12 HOUR

	SAMPLE #	VOLUME	TYPE	COMMENTS	
1720	020320 BEN 11	1820	TEM	CORRIDOR BY CLASSROOM 509	6983614 2022
1721	020320 BEN 12	1820		CORRIDOR BY IT ROOM 510	6983614 2023
1725	020320 BEN 13	1800		ROOM 526 BEHIND DESK	6983614 2025
1730	020320 BEN 14	1800		ROOM 402 ENTRANCE	6983614 2030
1731	020320 BEN 15	1800		ROOM 409 ENTRANCE	6983614 2031
1733	020320 BEN 16	1810		ROOM 412 CENTER	6983614 2034
1734	020320 BEN 17	1810		ROOM 417 CENTER	6983621 2035
1736	020320 BEN 18	1810		ROOM 421 ENTRANCE	6983621 2036
1738	020320 BEN 19	1800		ROOM 422 BEHIND DESK	6983622 2038
1739	020320 BEN 20	1810		ROOM 428 CENTER	6983623 2040

SAMPLE PACKAGED AND SEALED BY: Tim Daly DATE: 2.03.20 TIME:

SENT TO: LOIC

CONDITION UPON RECEIPT (DAMAGED / UNDA MAGED)

ANALYZED: [Signature] 2/4/20
QA: Kamyah 2/4/2020