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Setting the Standard in Comprehensive Environmental Solutions

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Learning to Live • Loving to Learn
ACPS
Alexandria City Public Schools

Indoor Air Quality Assessment Report

at

F.T. Day Elementary School

1701 N Beauregard St,
Alexandria, VA 22311

Report Prepared for:

John Contreras

Alexandria City Public Schools

2601 Cameron Mills Rd, Alexandria, VA 22302

Dated: October 6, 2021

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ABBREVIATIONS AND ACRONYMS

AHU	Air-Handling Unit
AIHA	American Industrial Hygiene Association
ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers
ASTM	American Society for Testing and Materials
CO	Carbon Monoxide
CO2	Carbon Dioxide
EMLAP	Environmental Microbiology Laboratory Accreditation Program
HVAC	Heating, Ventilating, And Air-Conditioning
IAQ	Indoor Air Quality
NIST	National Institute for Standards and Technology
NVLAP	National Voluntary Laboratory Accreditation Program
RH	Relative Humidity

Abbreviations involving scientific volume and measurements involving media or water sampling

Spores/m3	Mold spores per cubic meter of air
LPM	Liters Per Minute
NTE	Not to exceed
°F	degree Fahrenheit
PPM	Parts Per Million

1. Executive Summary

Total Environmental Concepts (TEC) was contracted by Alexandria City Public Schools (ACPS) to perform Indoor Air Quality (IAQ) assessments at 19 schools. The original list is provided below:

- Alexandria City High School (AC)
- AC Satellie Campus, Central Offices (CO)
- Charles Barrett Elementary School (BC)
- Cora Kelly School for Math (CK)
- Frances C. Hammond Elementary School (FH)
- George Mason Elementary School (GM)
- George Mason Elementary School (GW)
- James Polk Elementary School (JP)
- John Adams Elementary School (JA)
- Lyles-Crouch Elementary School (LC)
- Minnie Howard High School (MH)
- Naomi Brooks Elementary School (NB)
- Samuel Tucker Elementary School (ST)
- William Ramsey Elementary School (WR)
- Douglas MacAurthur Elementary School (Out of Service)
- Jefferson-Houston Elementary School (JH)
- **Ferdinand T. Day Elementary School (FD)**
- Patrick Henry Elementary School (PH)
- Mount Vernon Community School (MV)

This IAQ assessment was conducted at Ferdinand T. Day Elementary School on Wednesday, September 13, 2021. ACPS required that the testing to be based on the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) guidelines. ACPS provided site plans and fifteen (15) sampling locations per school. Sampling locations were chosen by ACPS based on internal review of facilities maintenance records, and a review of facilities maintenance related issues. These sampling locations were selected to collect representative IAQ data in these specific areas and to document any areas of potential concern observed during the site assessment. ACPS required that TEC test for the following major indoor air pollutants:

- Mold
- Radon
- TO+15 (VOCs)
- 4-polycyclohexene (4-pch)
- Formaldehyde

In accordance with ASHRAE, TEC also took measurements of the following at each school:

- Carbon Monoxide
- Carbon Dioxide
- Humidity
- Temperature
- Oxygen

Summary of findings and recommendaitons during this limited IAQ investigation:

- **Mold** – TEC conducted site-specific mold sampling outside at Ferdinand T. Day Elementary to obtain a baseline of the number and types of fungal spores in the air. This baseline was compared to the spores collected inside at the sampling locations since inside spore counts above baseline, could indicate internal sources of mold.

Findings:

1. The number of spores in the air were within acceptable ranges in all locations as compared to background outside air mold spore counts.

2. A mold spore ratio anomaly was recorded in Room 110. This ratio anomaly is likely caused by open windows and doors and by normal fluctuations in outdoor spore counts. No visible mold growth was observed.This anomaly is not a health issue.

   None of the other mold sampling results at Ferdinand T. Day Elementary were indicative of mold issues. Photographs can be found in Section 3, Visual Observations.

Recommendations:

- Moving forward, any suspected mold growth should be inspected by qualified professional.
- Investigate sources of water leaks and any evidence of water staining.
- Inspect above drop ceilings and replace stained ceiling tiles.
- Inspect areas around the building foundation.
- For all HVAC and associated building systems, a detailed schedule of maintenance should be established and adhered to.

None of the results from the fifteen sampling locations at Ferdinand T. Day Elementary School were indicative of mold issues.

- **Radon** – levels recorded in all locations were less than 4pCi/L, as recommended by EPA and HUD.
- **VOCs** – The levels of volitile organic compounds (VOCs) recorded at each location were within acceptable ranges, when compared to EPA Regional Screening Levels (RSLs).
- **4-pch** – levels recorded during this investigation were within the LEED (Leadership of Energy and Environmental Design) IAQ guideline of 6.5 ug/m3.
- **Formaldehyde** – the levels of formaldehyde recorded at each location were within an acceptable range, compared to EPA Regional Screening Level (RSLs) of 1ug/m3.
- **Carbon monoxide** – concentrations in all areas were less than the EPA and ASHRAE recommended limit of 9 ppm.
- **Carbon dioxide** – concentrations in all tested spaces were less than the ASHRAE limit of 1,092 ppm.
- **RH** – the relative humidity in all tested spaces was within the ASHRAE guidelines of ≤ 67%, and for the purposes of this investigation ≤ 65%. None of the tested locations had a relative humidity greater than 65%.

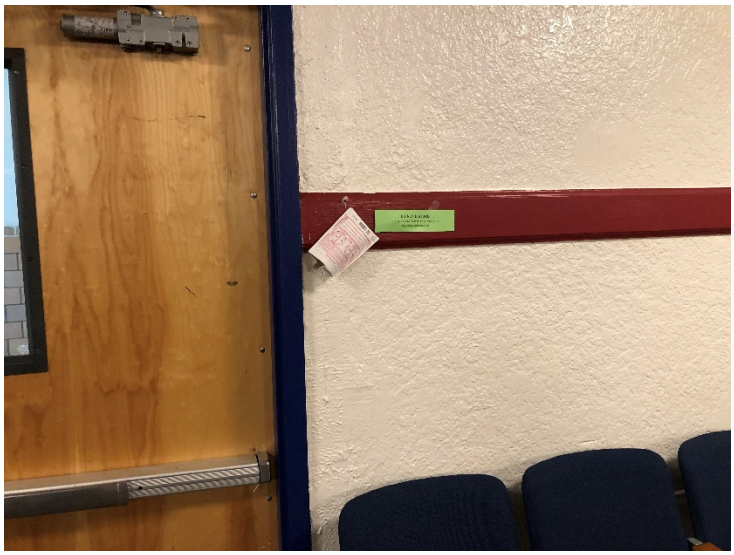
- **Temperature** – none of the tested spaces had a temperatures greater than the ASHRAE recommended summer range of 75°F-80.5°F.

2. Assesment Methods

Under the direction of TEC Industrial Hygienist Nikki Satari; Margaret Stanger, Victoria Powers, and Channing Jackson, also of TEC, conducted IAQ inspections and air sampling on September 13, 2021. All air samples were collected three-six feet from floor level, the typical breathing zone for adults.

Mold air samples were collected with a field calibrated Environmental Monitoring Systems High Volume Sampling Pump on Allergenco-D Disposable IAQ Air Monitoring Cassettes at a flow rate of 10 liters per minute for a sample volume of 75 liters during the assessment (photograph below). The Hayes Microbial Consulting laboratory reports are included in Appendix A.

Radon gas samples were collected by securing Air Chek Radon Test Kits (photograph below). Samples were collected within the breathing zone (4-6ft from ground level) at each sample location. In accordance with Air Chek's Radon Test Kit Instructions, kits were secured to walls inside the building and away from, open windows, doors to the outside, or interior air ventilation systems. Sampling time was 72 hours. Radon analytical results can be found in Appendix B.



Formaldehyde gas air samples were collected using static Aldehyde TraceAir II Monitors (photograph below). Samples were secured to surrounding testing equipment to expose the full surface area of the sampling device for the full 4 hours of sampling time. Monitorss were collected after 4 hours and processed for shipment to Phase Separation Science located in Catonsville, MD. Formaldehyde analytical results can be found in Appendix D. Photograph below:

The 4-polycyclohexene (4-PCH) samples were collected in SKC's Anasorb CSC sorbent tubes through Gilian GilAir3 Air Sampling Pumps (photograph below). Pumps were placed within the breathing zone (4-6ft from ground level). Run times were 8 hours or time weighted 4 hour runs. 4-PCH analytical results can be found in Appendix E. Photograph below:

TO+15 (VOCs) samples were collected using ENTECH Instruments 1.4L SUMMA canisters with an ENTECH regulator attachment (photograph below). Canisters were deployed at each location for a run time of 8 hours or a time weighted run time of 4 hours. Internal pressure readings were recorded at the start and end of each sample run time. TO+15 (VOCs) analytical results can be found in Appendix C. Photograph below:

The temperature and relative humidity were taken with the AcuRite Digital Indoor Temperature and Humidity Monitor in the lobby of each school. Teperature and relative humidity readings can be found in Section 5 Mold Sampling Results, below.

Real-time measurements for oxygen, carbon dioxide, carbon monoxide, VOC, hydrogen sulfides were taken with multi-gas detector. These measurements can be found in Section 10 Multi-gas

Detector (MSA Altair Multi-gas) Readings. This information can be found in Table 1 below. Photograph below:

3. Visual Observations

Sample Location	September 13, 2021	Visual Observations
161 Gymnasium	The Gymnasium building on the first floor was functioning as a supplimentary classroom.	

Extended Learning Area C411	Extended learning areas were observed in several locations throughout F.T. Day School.	
Music Room 160	The music room of F.T. Day School.	
Hallway by room 325	The Hallway to the second gymnasium of F.T. Day School.	

4. Conditions for Human Occupancy

Conditions for Human Occupancy are addressed in ASHRAE Standard 55-2017. These standards are designed to provide comfort for an estimated 80% of occupants. The standard provides for a temperature range from between approximately 67 and 82 °F. A more specific range based on relative humidity, season, clothing worn, activity levels, and other factors can be determined. For example, the standard does not specify a lower humidity range, but notes that issues of comfort, skin irritation, dry mucous membranes, and static electricity may arise when the relative humidity is less than 30%. ASHRAE Standard 62.1-2016 does recommend an upper limit of 67% humidity to avoid conditions conducive to microbial growth. For the purposes of this investigation, TEC used a conservative upper limit of 65%. The recommended ASHRAE temperature range for schools and office spaces in summer is 75°F-80.5°F.

4.1 Temperature

The recommended ASHRAE temperature range for schools and office spaces in summer is 75°F-80.5°F. The recorded relative humidity in all locations was below 65% and average indoor temperature can be found in Table 2.

4.2 Relative Humidity

ASHRAE Standard 62.1-2016 recommends a relative humidity no greater than 67% to avoid conditions conducive to microbial growth. The relative humidity observed by TEC during this investigation was observed to be below 65% in all locations. Average relative humidity can be found in Table 2.

4.3 Carbon Dioxide

Carbon dioxide (CO2) is a byproduct of combustion burning engines. Generators, furnaces, boilers, idling automobile engines. High CO2 measurements may indictae engine maintenance issues. There were no exceedances in real-time during the IAQ investigation. Complete results can be found in Table 1.

4.4 Carbon Monoxide

Carbon monoxide (CO) is a byproduct of the combustion of fossil fuels. Generators, furnaces, boilers, idling automobile engines, may all produce CO. High CO measurements may indicate engine maintenance issues. There were no exceedances in real-time during the IAQ investigation. Complete results can be found in Table 1.

4.5 Multi-gas Detector Readings

Multi-gas readings were taken at each location to document current conditions at the time of the sampling efforts and to monitor the environment between sampling locations. There were no exceedances in real-time during the IAQ investigation. Complete results can be found in Table 1.

5. Mold Sampling Results

TEC conducted mold sampling outside to obtain a baseline spore count. This baseline was compared to inside mold spore counts at the designated sampling locations.

The number of spores in the air was within acceptable ranges in all locations compared to background outside air mold spore counts.

In conclusion, federal standards for the number of fungal spores present in the indoor environment don't exist. The widely accepted guideline in the indoor air quality field requires that the number and types of spores present in the indoor environment not exceed those present outdoors at any given time.

Mold is carried indoors through building entrances, open windows, loading docks, foot traffic into buildings, and the HVAC system. To thrive indoors, mold requires a food source, proper temperature, and humidity to foster its growth.

There will always be some mold spores present in "normal" indoor environments. The purpose of sampling and counting spores is to help determine whether an abnormal condition exists within the indoor environment and, if it does, to help pinpoint the area of contamination.

There will also be mold spores present in "normal" outdoor environments. In any environment, excess mold growth may arise as a result of excess moisture, and indoors this may indicate water leaks or high indoor humidity.

Interior spore counts above baseline readings may indicate internal sources of mold, and this would indicate a requirement for further investigation and potential mitigation

TEC recommends that ACPS investigate all areas where there are obvious signs of water intrusion. Care should be taken to look above drop ceilings and around the building foundation. Any hidden suspected mold should be tested and verified by a qualified professional. The mold in air results do not indicate a need for mold abatement at this time, but conditions may worsen if the issues with leaks and water intrusion are not addressed. The observed ratio anomalies are most likely caused by a combination of the normal fluctuation in daily spore counts and the issues with water intrusion.

Findings:

1. The number of spores in the air were within acceptable ranges in all locations as compared to background outside air mold spore counts.

2. A mold spore ratio anomaly was recorded in Room 110. This ratio anomaly is likely caused by open windows and doors and by normal fluctuations in outdoor spore counts. No visible mold growth was observed.This anomaly is not a health issue.

Recommendations:

- Moving forward, any suspected mold growth should be inspected by qualified professional.
- Investigate sources of water leaks and any evidence of water staining.
- Inspect above drop ceilings and replace stained ceiling tiles.
- Inspect areas around the building foundation.
- For all HVAC and associated building systems, a detailed schedule of maintenance should be established and adhered to.

None of the other mold sampling results at Ferdinand T. Day Elementary were indicative of mold issues. Photographs can be found in Section 3, Visual Observations.

Mold analytical results can be found in Appendix A.

6. Radon Gas Sampling Results

Radon forms as the result of the radioactive decay of uranium. Uranium is a naturally occurring radioactive by product that occurs when rock and soil breaks down. Some building materials, such as granite, may be a source of radon. Sampling areas were provided by ACPS. This did not allow for TEC to utilize the sampling protocol provided by Air Chek for performing a comprehensive survey. Air Chek Radon Test Kits collection times were a minimum of 72 hours. Test kits were then retrieved and shipped to Air Chek Inc. located in Mills River, NC. Air Chek laboratories are National Institute of Standards and Technology's (NIST) National Voluntary Laboratory Accreditation Program (NVLAP), and American Industrial Hygiene Association (AIHA) for Environmental Microbial Laboratory Accreditation Program (EMLAP) certified. Analytical results can be found in Appendix B.

7. Formaldehyde Gas Sampling Results

Sources of formaldehyde are similar to sources of carbon monoxide. They include gas-burning engines and space heaters. Other sources include smoking, household products, pressed wood products, and adhesives. Analytical results can be found in Appendix D.

8. TO+15 (VOC) Sampling Results

Volatile organic compounds (VOCs), are organic chemicals emitted as gases. Carpets, flooring materials, cleaning agents, disinfectants, air fresheners, and vinyl furnishings, may all be sources of VOCs in indoor air. Analytical results can be found in Appendix E.

9. 4-pch Sampling Results

4-polycyclohexene is a common indoor air contaminant most commonly associated with " new-carpet" smell complaints. 4-pch is a byproduct of carpet manufacturing and has been associated with adverse health effects. None of the areas investigated during this study indictated elevated levels of pch. Analytical results can be found in Appendix C.

10. Multi-Gas Detector (MSA Altair Multi-gas) Readings

Multi-gas readings were taken at each location to document current conditions at the time of the sampling efforts and to monitor the environment between sampling locations. There were no exceedances in real-time during the IAQ investigation. Multi-gas results can be found below in Table 1.

Table 1

Multi-Gas Detector Readings				
Location	VOC	CO	OXYGEN	H2S
110 Welcome Center	0.0	0.0	20.9	0.0
161 Physical Activity	0.0	0.0	20.9	0.0
160 Music Room	0.0	0.0	20.9	0.0
130 Multi-Purpose	0.0	0.0	20.9	0.0
Stair 230	0.0	0.0	20.9	0.0
225	0.0	0.0	20.9	0.0
214	0.0	0.0	20.9	0.0
C205	0.0	0.0	20.9	0.0
317	0.0	0.0	20.9	0.0
Hall 319	0.0	0.0	20.9	0.0
Hall 325	0.0	0.0	20.9	0.0
440	0.0	0.0	20.9	0.0
412	0.0	0.0	20.9	0.0
C411 A	0.0	0.0	20.9	0.0
420	0.0	0.0	20.9	0.0

Table 2

Results of Analytes by Location						
Location	Radon	Mold		TO+15 VOCs	4PCH	Formaldehyde
		AVG: 75 F	AVG: 40 %			
110 Welcome Center	< 4 pCi/L	*Spore Ratio Anomaly*		< RSL	< 6.5 ug/m3	< RSL
161 Physical Activity	< 4 pCi/L	Spore Count Normal		< RSL	< 6.5 ug/m3	< RSL
160 Music Room	< 4 pCi/L	Spore Count Normal		< RSL	< 6.5 ug/m3	< RSL
130 Multi-Purpose	< 4 pCi/L	Spore Count Normal		< RSL	< 6.5 ug/m3	< RSL
Stair 230	< 4 pCi/L	Spore Count Normal		< RSL	< 6.5 ug/m3	< RSL
225	< 4 pCi/L	Spore Count Normal		< RSL	< 6.5 ug/m3	< RSL
214	< 4 pCi/L	Spore Count Normal		< RSL	< 6.5 ug/m3	< RSL
C205	< 4 pCi/L	Spore Count Normal		< RSL	< 6.5 ug/m3	< RSL
317	< 4 pCi/L	Spore Count Normal		< RSL	< 6.5 ug/m3	< RSL
Hall 319	< 4 pCi/L	Spore Count Normal		< RSL	< 6.5 ug/m3	< RSL
Hall 325	< 4 pCi/L	Spore Count Normal		< RSL	< 6.5 ug/m3	< RSL
440	< 4 pCi/L	Spore Count Normal		< RSL	< 6.5 ug/m3	< RSL
412	< 4 pCi/L	Spore Count Normal		< RSL	< 6.5 ug/m3	< RSL
C411 A	< 4 pCi/L	Spore Count Normal		< RSL	< 6.5 ug/m3	< RSL
420	< 4 pCi/L	Spore Count Normal		< RSL	< 6.5 ug/m3	< RSL

**See Section 5 - Ratio abnormalities are most likely caused by fluctuations in daily spore counts*

11. Quality Control Program

- TEC recognizes the importance of quality assurance (QA) and quality control (QC) measures as they relate to the performance of sample collection and processing.
- To ensure compliance with QA/QC measures, SOPs have been developed for field sample collection techniques, field sample screening procedures, multi-media sampling, and the accurate presentation of findings/reporting.
- All staff are provided these SOPs and are trained in these procedures before conducting work activities. TEC's Program Manager and the on-site PM/QCM will manage the quality control program.
- The PM will work closely with field technicians to ensure the success of the quality control program. All team members will receive copies of and abide by the quality control plan.
- Daily records will be kept of all operations, activities, and tests performed in the quality control program.
- All samples collected during this IAQ assessment were collected, processed, and shipped under the strictest chain of custody (CoC) guidelines.
- All samples were shipped for analysis by a National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory.

Appendix A: Mold Analytical Results

HAYES MICROBIAL CONSULTING

#21035349

Analysis Report prepared for

Total Environmental Concepts, Inc.

8382 Terminal Road
Suite B
Lorton, VA 22079

Phone: **(571) 289-2173**

Ferdinand T Day

Collected: **September 13, 2021**
Received: **September 15, 2021**
Reported: **September 15, 2021**

We would like to thank you for trusting Hayes Microbial for your analytical needs!
We received 16 samples by FedEx in good condition for this project on September 15th, 2021.

The results in this analysis pertain only to this job, collected on the stated date, and should not be used in the interpretation of any other job. This report may not be duplicated, except in full, without the written consent of Hayes Microbial Consulting, LLC..

This laboratory bears no responsibility for sample collection activities, analytical method limitations, or your use of the test results. Interpretation and use of test results are your responsibility. Any reference to health effects or interpretation of mold levels is strictly the opinion of Hayes Microbial. In no event, shall Hayes Microbial or any of its employees be liable for lost profits or any special, incidental or consequential damages arising out of the use of these test results.

Steve Hayes, BSMT(ASCP)
Laboratory Director
Hayes Microbial Consulting, LLC.

EPA Laboratory ID: VA01419

Lab ID: #188863

DPH License: #PH-0198

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8382 Terminal Road Suite B
Lorton, VA 22079
(571) 289-2173

Ferdinand T Day

#21035349

Spore Trap
SOP - HMC#101

Sample Number	1	4315157		2	4315640		3	4315624		4	3415127	
Sample Name	**110**			**Physical Activity**			**Outdoor**			**Music Room**		
Sample Volume	75.00 liter			75.00 liter			75.00 liter			75.00 liter		
Reporting Limit	13 spores/m³			13 spores/m³			13 spores/m³			13 spores/m³		
Background	2			2			3			2		
Fragments	ND			ND			ND			ND		
Organism	**Raw Count**	**Count / m³**	**% of Total**	**Raw Count**	**Count / m³**	**% of Total**	**Raw Count**	**Count / m³**	**% of Total**	**Raw Count**	**Count / m³**	**% of Total**
Alternaria							1	13	<1%			
Ascospores	3	40	14.3%	1	13	33.3%	56	747	26.8%	2	27	50.0%
Aspergillus|Penicillium												
Basidiospores	18	240	85.7%	1	13	33.3%	40	533	19.1%	2	27	50.0%
Bipolaris|Drechslera												
Chaetomium												
Cladosporium				1	13	33.3%	104	1387	49.8%			
Curvularia							2	27	<1%			
Epicoccum												
Fusarium												
Memnoniella												
Myxomycetes							4	53	1.9%			
Pithomyces							2	27	<1%			
Stachybotrys												
Stemphylium												
Torula												
Ulocladium												
Total	21	280	100%	3	39	100%	209	2787	100%	4	54	100%

Water Damage Indicator | Common Allergen | Slightly Higher than Baseline | Significantly Higher than Baseline | Ratio Abnormality

Collected: **Sep 13, 2021** Received: **Sep 15, 2021** Reported: **Sep 15, 2021**

Project Analyst: Connor Gailliot, BS Date: **09 - 15 - 2021**

Reviewed By: Steve Hayes, BSMT Date: **09 - 15 - 2021**

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Ferdinand T Day

#21035349

Spore Trap
SOP - HMC#101

Sample Number	5	4315641		6	4315634		7	4315630		8	4315125	
Sample Name	Multipurpose			Stair F Floor 2			Class 225			Class 214		
Sample Volume	75.00 liter			75.00 liter			75.00 liter			75.00 liter		
Reporting Limit	13 spores/m^3			13 spores/m^3			13 spores/m^3			13 spores/m^3		
Background	2			2			3			3		
Fragments	ND			ND			ND			ND		
Organism	**Raw Count**	**Count / m^3**	**% of Total**	**Raw Count**	**Count / m^3**	**% of Total**	**Raw Count**	**Count / m^3**	**% of Total**	**Raw Count**	**Count / m^3**	**% of Total**
Alternaria							1	13	3.1%			
Ascospores	2	27	40.0%									
Aspergillus|Penicillium				6	80	66.7%				2	27	25.0%
Basidiospores	2	27	40.0%	3	40	33.3%	10	133	31.3%	2	27	25.0%
Bipolaris|Drechslera												
Chaetomium												
Cladosporium	1	13	20.0%				19	253	59.4%	4	53	50.0%
Curvularia							2	27	6.3%			
Epicoccum												
Fusarium												
Memnoniella												
Myxomycetes												
Pithomyces												
Stachybotrys												
Stemphylium												
Torula												
Ulocladium												
Total	5	67	100%	9	120	100%	32	426	100%	8	107	100%

Water Damage Indicator | Common Allergen | Slightly Higher than Baseline | Significantly Higher than Baseline | Ratio Abnormality

Collected: **Sep 13, 2021** Received: **Sep 15, 2021** Reported: **Sep 15, 2021**

Project Analyst: Connor Gailliot, BS Date: **09 - 15 - 2021**

Reviewed By: Steve Hayes, BSMT Date: **09 - 15 - 2021**

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Ferdinand T Day

#21035349

Spore Trap
SOP - HMC#101

Sample Number	9	4315135		10	4315131		11	4315120		12	4315688	
Sample Name	**Extended Learning, 205**			**Hall C 302**			**Hall C 305**			**Class 317**		
Sample Volume	75.00 liter			75.00 liter			75.00 liter			75.00 liter		
Reporting Limit	13 spores/m³			13 spores/m³			13 spores/m³			13 spores/m³		
Background	2			2			2			3		
Fragments	ND			ND			ND			ND		
Organism	**Raw Count**	**Count / m³**	**% of Total**	**Raw Count**	**Count / m³**	**% of Total**	**Raw Count**	**Count / m³**	**% of Total**	**Raw Count**	**Count / m³**	**% of Total**
Alternaria												
Ascospores	3	40	37.5%	2	27	40.0%				3	40	33.3%
Aspergillus|Penicillium	3	40	37.5%				7	93	70.0%	3	40	33.3%
Basidiospores	1	13	12.5%	1	13	20.0%	2	27	20.0%	2	27	22.2%
Bipolaris|Drechslera												
Chaetomium												
Cladosporium	1	13	12.5%	2	27	40.0%	1	13	10.0%	1	13	11.1%
Curvularia												
Epicoccum												
Fusarium												
Memnoniella												
Myxomycetes												
Pithomyces												
Stachybotrys												
Stemphylium												
Torula												
Ulocladium												
Total	8	106	100%	5	67	100%	10	133	100%	9	120	100%

Water Damage Indicator | Common Allergen | Slightly Higher than Baseline | Significantly Higher than Baseline | Ratio Abnormality

Collected: **Sep 13, 2021** Received: **Sep 15, 2021** Reported: **Sep 15, 2021**

Project Analyst: Connor Gailliot, BS Date: **09 - 15 - 2021**

Reviewed By: Steve Hayes, BSMT Date: **09 - 15 - 2021**

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Ferdinand T Day

#21035349

Spore Trap
SOP - HMC#101

Sample Number	13	4315132		14	4315633		15	4315623		16	4315628	
Sample Name	**Extended Learning 401**			**Class 412**			**Room 470 - Media Center**			**Class 420**		
Sample Volume	75.00 liter			75.00 liter			75.00 liter			75.00 liter		
Reporting Limit	13 spores/m³			13 spores/m³			13 spores/m³			13 spores/m³		
Background	2			2			2			3		
Fragments	ND			ND			ND			ND		
Organism	**Raw Count**	**Count / m³**	**% of Total**	**Raw Count**	**Count / m³**	**% of Total**	**Raw Count**	**Count / m³**	**% of Total**	**Raw Count**	**Count / m³**	**% of Total**
Alternaria												
Ascospores				2	27	20.0%						
Aspergillus|Penicillium				2	27	20.0%				4	53	44.4%
Basidiospores	4	53	57.1%	5	67	50.0%	3	40	100.0%	5	67	55.6%
Bipolaris|Drechslera												
Chaetomium												
Cladosporium	3	40	42.9%	1	13	10.0%						
Curvularia												
Epicoccum												
Fusarium												
Memnoniella												
Myxomycetes												
Pithomyces												
Stachybotrys												
Stemphylium												
Torula												
Ulocladium												
Total	7	93	100%	10	134	100%	3	40	100%	9	120	100%

Water Damage Indicator | Common Allergen | Slightly Higher than Baseline | Significantly Higher than Baseline | Ratio Abnormality

Collected: **Sep 13, 2021** Received: **Sep 15, 2021** Reported: **Sep 15, 2021**

Project Analyst: Connor Gailliot, BS

Date: **09 - 15 - 2021**

Reviewed By: Steve Hayes, BSMT

Date: **09 - 15 - 2021**

HAYES MICROBIAL CONSULTING
3005 East Boundary Terrace, Suite F. Midlothian, VA. 23112 (804) 562-3435 contact@hayesmicrobial.com

Karl Ford
Total Environmental Concepts, Inc.
8382 Terminal Road Suite B
Lorton, VA 22079
(571) 289-2173

Ferdinand T Day

#21035349

Spore Trap Information

Reporting Limit	The Reporting Limit is the lowest number of spores that can be detected based on the total volume of the sample collected and the percentage of the slide that is counted. At Hayes Microbial, 100% of the slide is read so the LOD is based solely on the total volume. Raw spore counts that exceed 500 spores will be estimated.
Blanks	Results have not been corrected for field or laboratory blanks.
Background	The Background is the amount of debris that is present in the sample. This debris consists of skin cells, dirt, dust, pollen, drywall dust and other organic and non-organic matter. As the background density increases, the likelihood of spores, especially small spores such as those of Aspergillus and Penicillium may be obscured. The background is rated on a scale of 1 to 5 and each level is determined as follows: **NBD:** No background detected due to possible pump or cassette malfunction. Recollect sample. (Field Blanks will display NBD) **1 :** <5% of field occluded. No spores will be uncountable. **2 :** 5-25% of field occluded. **3 :** 25-75% of field occluded. **4 :** 75-90% of field occluded. **5 :** >90% of field occluded. Suggested recollection of sample.
Fragments	Fragments are small pieces of fungal mycelium or spores. They are not identifiable as to type and when present in very large numbers, may indicate the presence of mold amplification.
Control Comparisons	There are no national standards for the numbers of fungal spores that may be present in the indoor environment. As a general rule and guideline that is widely accepted in the indoor air quality field, the numbers and types of spores that are present in the indoor environment should not exceed those that are present outdoors at any given time. There will always be some mold spores present in "normal" indoor environments. The purpose of sampling and counting spores is to help determine whether an abnormal condition exists within the indoor environment and if it does, to help pinpoint the area of contamination. Spore counts should not be used as the sole determining factor of mold contamination. There are many factors that can cause anomalies in the comparison of indoor and outdoor samples due to the dynamic nature of both of those environments.
Water Damage Indicator Common Allergen Slightly Higher than Baseline Significantly Higher than Baseline Ratio Abnormality	**Blue:** These molds are commonly seen in conditions of prolonged water intrusion and usually indicate a problem. **Green:** Although all molds are potential allergens, these are the most common allergens that may be found indoors. **Orange:** The spore count is slightly higher than the outside count and may or may not indicate a source of contamination. **Red:** The spore count is significantly higher than the baseline count and probably indicates a source of contamination. **Violet:** The types of spores found indoors should be similar to the ones that were identified in the baseline sample. Significant increases (more than 25%) in the ratio of a particular spore type may indicate the presence of abnormal levels of mold, even if the total number of spores of that type is lower in the indoor environment than it was outdoors.
Color Coding	Fungi that are present in indoor samples at levels lower than 200 per cubic meter are not color coded on the report, unless they are one of the water damage indicators.

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#21035349

Organism Descriptions

Alternaria

Habitat: Commonly found outdoors in soil and decaying plants. Indoors, it is commonly found on window sills and other horizontal surfaces.

Effects: A common allergen and has been associated with hypersensitivity pneumonitis. Alternaria is capable of producing toxic metabolites which may be associated with disease in humans or animals. Occasionally an agent of onychomycosis, ulcerated cutaneous infection and chronic sinusitis, principally in the immunocompromised patient.

Ascospores

Habitat: A large group consisting of more than 3000 species of fungi. Common plant pathogens and outdoor numbers become very high following rain. Most of the genera are indistinguishable by spore trap analysis and are combined on the report.

Effects: Health affects are poorly studied, but many are likely to be allergenic.

Aspergillus|Penicillium

Habitat: The most common fungi isolated from the environment. Very common in soil and on decaying plant material. Are able to grow well indoors on a wide variety of substrates.

Effects: This group contains common allergens and many can cause hypersensitivity pneumonitis. They may cause extrinsic asthma, and many are opportunistic pathogens. Many species produce mycotoxins which may be associated with disease in humans and other animals. Toxin production is dependent on the species, the food source, competition with other organisms, and other environmental conditions.

Basidiospores

Habitat: A common group of Fungi that includes the mushrooms and bracket fungi. They are saprophytes and plant pathogens. In wet conditions they can cause structural damage to buildings.

Effects: Common allergens and are also associated with hypersensitivity pneumonitis.

Cladosporium

Habitat: One of the most common genera worldwide. Found in soil and plant debris and on the leaf surfaces of living plants. The outdoor numbers are lower in the winter and often relatively high in the summer, especially in high humidity. The outdoor numbers often spike in the late afternoon and evening. Indoors, it can be found growing on textiles, wood, sheetrock, moist window sills and in HVAC supply ducts.

Effects: A common allergen, producing more than 10 allergenic antigens and a common cause of hypersensitivity pneumonitis.

Curvularia

Habitat: They exist in soil and plant debris, and are plant pathogens.

Effects: They are allergenic and a common cause of allergic fungal sinusitis. An occasional cause of human infection, including keratitis, sinusitis, onychomycosis, mycetoma, pneumonia, endocarditis and desseminated infection, primarily in the immunocompromised.

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#21035349

Organism Descriptions

Myxomycetes

Habitat: Found on decaying plant material and as a plant pathogen.

Effects: Some allergenic properties reported, but generally pose no health concerns to humans.

Pithomyces

Habitat: Common fungus isolated from soil, decaying plant material. Rarely found indoors.

Effects: Allergenic properties are poorly studied. No cases of infection in humans.

Total Environmental Concepts, Inc.

Placement Tech	Charming	Sample Type	mold
Placement Date	9/13/2021	Email	kford@tci.pro
Address	Ferdinand T day		

Sample #	Location/ room	Flow Rate	Sampling Time	Pump Start Time	Pump End Time	Comments
4315157	ILO	10L/m	7.5m	17:13	17:20	
4315640	Physical Activity	↓	↓	17:16	17:23	
4315624	Outdoor			17:23	17:31	
4315127	Music Room			17:26	17:34	
4315641	Multipurpose			17:33	17:41	
4315634	Stair F Floor 2			17:37	17:45	
4315630	CLASS 225			17:45	17:52	
4315125	CLASS 214			17:47	17:53	
4315135	Extended learning 205			17:55	18:02	
4315131	Hall C 302			17:59	18:06	
4315120	Hall C 305			18:09	18:16	
4315638	CLASS 317			18:10	18:18	
4315132	Extended learning 401			18:22	18:29	
4315633	CLASS 412			18:24	18:31	
4315625	Room 470 - Media Center			18:26	18:33	
4315628	CLASS 420			18:36	18:43	

Appendix B: Radon Analytical Results

Attention:

Kit #: 9723776 Result: < 0.3 pCi/l
Location:

Ft Day Hall 25
,

Analysis Note :
Analyzed : 2021-09-17 at 10:00 am
Started : 2021-09-13 at 5:00 pm
Ended : 2021-09-16 at 3:00 pm
Hours/MST% : 70 hours 12.5% 70°F

Kit #: 9731138 Result: < 0.3 pCi/l
Location:

Ft Day C 205
,

Analysis Note :
Analyzed : 2021-09-17 at 10:00 am
Started : 2021-09-13 at 5:00 pm
Ended : 2021-09-16 at 3:00 pm
Hours/MST% : 70 hours 10.3% 70°F

Kit #: 9731139 Result: < 0.3 pCi/l
Location:

Ft Day 214
,

Analysis Note :
Analyzed : 2021-09-17 at 10:00 am
Started : 2021-09-13 at 5:00 pm
Ended : 2021-09-16 at 3:00 pm
Hours/MST% : 70 hours 10.3% 70°F

Kit #: 9731140 Result: < 0.3 pCi/l
Location:

Ft Day 161 2
,

Analysis Note :
Analyzed : 2021-09-17 at 10:00 am
Started : 2021-09-13 at 5:00 pm
Ended : 2021-09-16 at 3:00 pm
Hours/MST% : 70 hours 10.3% 70°F

Kit #: 9731152 Result: < 0.3 pCi/l
Location:

Ft Day 161
,

Analysis Note :
Analyzed : 2021-09-17 at 10:00 am
Started : 2021-09-13 at 5:00 pm
Ended : 2021-09-16 at 3:00 pm
Hours/MST% : 70 hours 12.2% 70°F

Kit #: 9731154 Result: < 0.3 pCi/l
Location:

Ft Day 440
,

Analysis Note :
Analyzed : 2021-09-17 at 10:00 am
Started : 2021-09-13 at 6:00 pm
Ended : 2021-09-16 at 3:00 pm
Hours/MST% : 69 hours 9.7% 70°F

Attention:

Kit #: 9731143 Result: < 0.3 pCi/l
Location:

Ft Day Stairs 230
,

Analysis Note :
Analyzed : 2021-09-17 at 10:00 am
Started : 2021-09-13 at 5:00 pm
Ended : 2021-09-16 at 3:00 pm
Hours/MST% : 70 hours 10.3% 70°F

Kit #: 9731144 Result: 0.5 ± 0.3 pCi/l
Location:

Ft Day 161 D
,

Analysis Note :
Analyzed : 2021-09-17 at 10:00 am
Started : 2021-09-13 at 5:00 pm
Ended : 2021-09-16 at 3:00 pm
Hours/MST% : 70 hours 12.3% 70°F

Kit #: 9731148 Result: < 0.3 pCi/l
Location:

Ft Day 130
,

Analysis Note :
Analyzed : 2021-09-17 at 10:00 am
Started : 2021-09-13 at 5:00 pm
Ended : 2021-09-16 at 3:00 pm
Hours/MST% : 70 hours 11.7% 70°F

Attention:

Kit #: 9731156 Result: < 0.3 pCi/l
Location:

Ft Day C401 A Hall
,

Analysis Note :
Analyzed : 2021-09-17 at 10:00 am
Started : 2021-09-13 at 6:00 pm
Ended : 2021-09-16 at 3:00 pm
Hours/MST% : 69 hours 11.1% 70°F

Kit #: 9731175 Result: < 0.3 pCi/l
Location:

Ft Day Hall 319
,

Analysis Note :
Analyzed : 2021-09-17 at 10:00 am
Started : 2021-09-13 at 5:00 pm
Ended : 2021-09-16 at 3:00 pm
Hours/MST% : 70 hours 9.5% 70°F

Kit #: 9731176 Result: < 0.3 pCi/l
Location:

Ft Day 225
,

Analysis Note :
Analyzed : 2021-09-17 at 10:00 am
Started : 2021-09-13 at 5:00 pm
Ended : 2021-09-16 at 3:00 pm
Hours/MST% : 70 hours 11.4% 70°F

Kit #: 9731177 Result: < 0.3 pCi/l
Location:

Ft Day 110
,

Analysis Note :
Analyzed : 2021-09-17 at 10:00 am
Started : 2021-09-13 at 5:00 pm
Ended : 2021-09-16 at 3:00 pm
Hours/MST% : 70 hours 10.9% 70°F

Kit #: 9731178 Result: < 0.3 pCi/l
Location:

Ft Day 161b
,

Analysis Note :
Analyzed : 2021-09-17 at 10:00 am
Started : 2021-09-13 at 5:00 pm
Ended : 2021-09-16 at 3:00 pm
Hours/MST% : 70 hours 5.9% 70°F

Attention:

Kit #: 9731179 Result: < 0.3 pCi/l
Location:

Ft Day 440 (2)
,

Analysis Note :
Analyzed : 2021-09-17 at 10:00 am
Started : 2021-09-13 at 6:00 pm
Ended : 2021-09-16 at 3:00 pm
Hours/MST% : 69 hours 10.9% 70°F

Kit #: 9731180 Result: < 0.3 pCi/l
Location:

Ft Day 412
,

Analysis Note :
Analyzed : 2021-09-17 at 10:00 am
Started : 2021-09-13 at 6:00 pm
Ended : 2021-09-16 at 3:00 pm
Hours/MST% : 69 hours 9.5% 70°F

Kit #: 9731181 Result: < 0.3 pCi/l
Location:

Ft Day 130 (2)
,

Analysis Note :
Analyzed : 2021-09-17 at 10:00 am
Started : 2021-09-13 at 6:00 pm
Ended : 2021-09-16 at 3:00 pm
Hours/MST% : 69 hours 11.4% 70°F

Kit #: 9731182 Result: < 0.3 pCi/l
Location:

Ft Day 420
,

Analysis Note :
Analyzed : 2021-09-17 at 10:00 am
Started : 2021-09-13 at 6:00 pm
Ended : 2021-09-16 at 3:00 pm
Hours/MST% : 69 hours 10.8% 70°F

Kit #: 9731183 Result: < 0.3 pCi/l
Location:

Ft Day 317
,

Analysis Note :
Analyzed : 2021-09-17 at 10:00 am
Started : 2021-09-13 at 6:00 pm
Ended : 2021-09-16 at 3:00 pm
Hours/MST% : 69 hours 10.1% 70°F

Total Environmental Concepts, Inc.

Placement Tech	Victoria P	Sample Type	radon	Pickup Tech	
Placement Date	9/13/2021	Sample Media		Pickup Date	9/16/2021
Address	FT			Email	Kford@gteci.pro

Sample #	Location/ room	SQFT >2000	HVAC Y/N	Window Y/N	Fan Y/N	Time In	Time out	Comment
FT 9731177	FT 110	N	N	Y	N	1710		
FT 9731153	FT 161	Y	N	Y	N	1714		
FT 9731147	FT 160	N	N	Y	N	1720		
FT 9731144	FT 161 D	Y	N	Y	N	1714		
FT 9731178	FT 161 B	Y	N	Y	N	1714		
FT 9731140	FT 161	Y	N	Y	N	1714		
FT 9731148	FT 130	Y	N	Y	N	1717		
FT 9731181	FT 130 (2)	Y	N	Y	N	1717		
FT 9731143	FT Stairs230	N	N	N	N	1730		
FT 9731176	FT 225	N	N	Y	N	1732		
FT 9731189	FT 214	N	N	Y	N	1738		
FT 9731138	FT C205	N	N	Y	N	1736		
FT 9731183	FT 317	N	N	Y	N	1810		
FT 9731175	FT Hall 319	N	N	N	N	1746		
FT 9723776	FT Hall 325	N	N	N	N	1743		
FT 9731154	FT 440	Y	N	Y	N	1803		
FT 9731180	FT 412	N	N	Y	N	1800		
FT 9731156	FT C400A	N	N	Y	N	1807		
FT 9731182	FT 420	N	N	Y	N	1821		
FT 9731179	FT 440 (2)	Y	N	Y	N	1803		

Appendix C: VOCs (TO+15) Analytical Results

PHASE SEPARATION SCIENCE

6630 Baltimore National Pike
Baltimore, MD 21228
410-747-8770
800-932-9047
www.phaseonline.com

Certificate of Analysis

Project Name: ACPS IAQ Testing
PSS Project No.: 21092012

October 4, 2021

Karl Ford
Total Environmental Concepts - Lorton
8382 Terminal Road, Suite B
Lorton, VA 22079

Reference: PSS Project No: **21092012**
Project Name: ACPS IAQ Testing
Project Location: F.T. Day School
Project ID.: 4920002

Dear Karl Ford:

This report includes the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Project number(s)**21092012**. This report has been revised to report results in ug/m^3. This report version includes revised sample results. This report cancels and supersedes report version 1.000 dated September 30, 2021.

All work reported herein has been performed in accordance with current NELAP standards, referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual unless otherwise noted in the Case Narrative Summary. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on October 25, 2021, with the exception of air canisters which are cleaned immediately following analysis. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt, the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 5 years, after which time it will be disposed of without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

Sincerely,

Dan Prucnal
Laboratory Manager

PHASE SEPARATION SCIENCE

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Baltimore, MD 21228
410-747-8770
800-932-9047
www.phaseonline.com

Explanation of Qualifiers

Project Name: ACPS IAQ Testing

PSS Project No.: 21092012

Project ID: 4920002

The following samples were received under chain of custody by Phase Separation Science (PSS) on 09/20/2021 at 03:00 pm

PSS Sample ID	Sample ID	Matrix	Date/Time Collected
21092012-001	FD- Music Room	AIR	09/17/21 19:56
21092012-002	FD- Physical Activity	AIR	09/17/21 19:54
21092012-003	FD- Main Office	AIR	09/17/21 19:22
21092012-004	FD- Class 214	AIR	09/17/21 19:48
21092012-005	FD- Hall 230	AIR	09/17/21 19:46
21092012-006	FD- 225	AIR	09/17/21 19:50
21092012-007	FD- Hall C205	AIR	09/17/21 19:43
21092012-008	FD- 317	AIR	09/17/21 19:37
21092012-009	FD- Hallway 319	AIR	09/17/21 19:35
21092012-010	FD- Hallway 308	AIR	09/17/21 19:40
21092012-011	FD- 412	AIR	09/17/21 19:32
21092012-012	FD- 401a	AIR	09/17/21 19:43
21092012-013	FD- Media Center	AIR	09/17/21 19:26
21092012-014	FD- 420 Room	AIR	09/17/21 19:27
21092012-015	FD- Outdoor	AIR	09/17/21 20:01

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in Case Narrative Summary.

Notes:

1. The presence of a common laboratory contaminant such as methylene chloride may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. Unless otherwise noted in the case narrative, results are reported on a dry weight basis with the exception of pH, flashpoint, moisture, and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].
4. The analyses of 1,2-dibromo-3-chloropropane (DBCP) and 1,2-dibromoethane (EDB) by EPA 524.2 and calcium, magnesium, sodium and iron by EPA 200.8 are not currently promulgated for use in testing to meet the Safe Drinking Water Act and as such cannot be used for compliance purposes. The listings of the current promulgated methods for testing in compliance with the Safe Drinking Water Act can be found in the 40 CFR part 141.1, for the primary drinking water contaminates, and part 141.3, for the secondary drinking water contaminates.
5. Sample prepared under EPA 3550C with concentrations greater than 20 mg/Kg should employ the microtip extraction procedure if required to meet data quality objectives.
6. The analysis of acrolein by EPA 624 must be analyzed within three days of sampling unless pH is adjusted to 4-5 units [40 CFR part 136.3(e)].
7. Method 180.1, The Determination of Turbidity by Nephelometry, recommends samples over 40 NTU be diluted until the turbidity falls below 40 units. Routine samples over 40 NTU may not be diluted as long as the data quality objectives are not affected.
8. Alkalinity results analyzed by EPA 310.2 that are reported by dilution are estimated and are not in compliance with method requirements.

PHASE SEPARATION SCIENCE

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800-932-9047
www.phaseonline.com

Explanation of Qualifiers

Project Name: ACPS IAQ Testing

PSS Project No.: 21092012

Standard Flags/Abbreviations:

B	A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
C	Results Pending Final Confirmation.
E	The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
Fail	The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
J	The target analyte was positively identified below the reporting limit but greater than the MDL.
MDL	This is the Laboratory Method Detection Limit which is equivalent to the Limit of Detection (LOD). The LOD is an estimate of the minimum amount of a substance that an analytical process can reliably detect. This value will remain constant across multiple similar instrumentation and among different analysts. An LOD is analyte and matrix specific.
ND	Not Detected at or above the reporting limit.
RL	PSS Reporting Limit.
U	Not detected.

Certifications:

NELAP Certifications: PA 68-03330, VA 460156
State Certifications: MD 179, WV 303
Regulated Soil Permit: P330-12-00268
NSWC USCG Accepted Laboratory
LDBE MWAA LD1997-0041-2015

SGS GALSON

Ms. Amber Confer
Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228

October 04, 2021

Account# 15354

Login# L547197

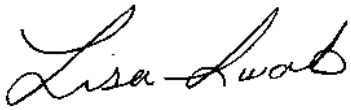
Dear Amber Confer:

Enclosed are the revised analytical results for the samples received by our laboratory on September 22, 2021. All samples on the chain of custody were received in good condition unless otherwise noted. Any additional observations will be noted on the chain of custody.

Please contact client services at (888) 432-5227 if you would like any additional information regarding this report. Thank you for using SGS Galson.

Sincerely,

SGS Galson



Lisa Swab
Laboratory Director

Enclosure(s)

COMMENT ANNEX

Please note that this revision cancels and supersedes L547197 (report reference:1) dated September 30, 2021 issued by SGS Galson.

Per your request, the units have been updated to report in ug/m^3.

Terms and Conditions & General Disclaimers

- This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

- Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Analytical Disclaimers

- Unless otherwise noted within the report, all quality control results associated with the samples were within established control limits or did not impact reported results.

- Note: The findings recorded within this report were drawn from analysis of the sample(s) provided to the laboratory by the Client (or a third party acting at the Client's direction). The laboratory does not have control over the sampling process, including but not limited to the use of field equipment and collection media, as well as the sampling duration, collection volume or any other collection parameter used by the Client. The findings herein constitute no warranty of the sample's representativeness of any sampled environment, and strictly relate to the samples as they were presented to the laboratory. For recommended sampling collection parameters, please refer to the Sampling and Analysis Guide at www.sgsgalson.com.

- Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceding the final result column may have been rounded and therefore, if carried through the calculations, may not yield an identical final result to the one reported.

- The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).

- Unless otherwise noted within the report, results have not been blank corrected for any field blank or method blank data.

Accreditations SGS Galson holds a variety of accreditations and recognitions. Our quality management system conforms with the requirements of ISO/IEC 17025. Where applicable, samples may also be analyzed in accordance with the requirements of ELAP, NELAC, or LELAP under one of the state accrediting bodies listed below. Current Scopes of Accreditation can be viewed at http://www.sgsgalson.com in the accreditations section of the "About" page. To determine if the analyte tested falls under our scope of accreditation, please visit our website or call Client Services at (888) 432-5227.

National/International	Accreditation/Recognition	Lab ID#	Program/Sector
AIHA-LAP, LLC - IHLAP, ELLAP, EMLAP	ISO/IEC 17025 and USEPA NLLAP	Lab ID 100324	Industrial Hygiene, Environmental Lead, Environmental Microbiology

State	Accreditation/Recognition	Lab ID#	Program/Sector
New York (NYSDOH)	ELAP and NELAC (TNI)	Lab ID: 11626	Air Analysis, Solid and Hazardous Waste
New Jersey (NJDEP)	NELAC (TNI)	Lab ID: NY024	Air Analysis
Louisiana (LDEQ)	LELAP	Lab ID: 04083	Air Analysis, Solid Chemical Materials

Legend

< - Less than	mg - Milligrams	MDL - Method Detection Limit	ppb - Parts per Billion
> - Greater than	ug - Micrograms	NA - Not Applicable	ppm - Parts per Million
l - Liters	m3 - Cubic Meters	NS - Not Specified	ppbv - ppb Volume
LOQ - Limit of Quantitation	kg - Kilograms	ND - Not Detected	ppmv - ppm Volume
ft2 - Square Feet	cm2 - Square Centimeters	in2 - Square Inches	ng - Nanograms

SGS GALSON

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East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
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LELAP Lab ID #04083

LABORATORY ANALYSIS REPORT

Client : Phase Separation Science, Inc. Account No.: 15354
Site : F.T. DAY SCHOOL Login No. : L547197
Project No. : ACPS IAQ TESTING
Date Sampled : 17-SEP-21 Date Analyzed : 30-SEP-21
Date Received : 22-SEP-21 Report ID : 1267378

TO15 List

Galson ID:			L547197-1		L547197-2		L547197-3	
Client ID:			FD-MUSIC ROOM		FD-PHYSICAL ACTIVITY		FD-MAIN OFFICE	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Propylene	5.0	8.6	<5.0	<8.6	<5.0	<8.6	<5.0	<8.6
Freon-12	0.80	4.0	<0.80	<4.0	<0.80	<4.0	<0.80	<4.0
Chloromethane	0.80	1.7	<0.80	<1.7	<0.80	<1.7	<0.80	<1.7
Freon-114	0.80	5.6	<0.80	<5.6	<0.80	<5.6	<0.80	<5.6
Vinyl Chloride	0.80	2.0	<0.80	<2.0	<0.80	<2.0	<0.80	<2.0
1,3-Butadiene	0.80	1.8	<0.80	<1.8	<0.80	<1.8	<0.80	<1.8
n-Butane	0.80	1.9	1.6	3.9	1.8	4.3	1.5	3.6
Bromomethane	0.80	3.1	<0.80	<3.1	<0.80	<3.1	<0.80	<3.1
Chloroethane	0.80	2.1	<0.80	<2.1	<0.80	<2.1	<0.80	<2.1
Acetonitrile	5.0	8.4	<5.0	<8.4	<5.0	<8.4	<5.0	<8.4
Vinyl Bromide	0.80	3.5	<0.80	<3.5	<0.80	<3.5	<0.80	<3.5
Acrolein	0.80	1.8	<0.80	<1.8	<0.80	<1.8	<0.80	<1.8
Acetone	5.0	12	8.0	19	6.0	14	6.2	15

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS Supervisor: BLD
Collection Media : Mini Can Approved by : JMR
Submitted by : BLD Date : 04-OCT-21

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LABORATORY ANALYSIS REPORT

Client : Phase Separation Science, Inc.
Site : F.T. DAY SCHOOL
Project No. : ACPS IAQ TESTING
Date Sampled : 17-SEP-21
Date Received : 22-SEP-21

Account No.: 15354
Login No. : L547197
Date Analyzed : 30-SEP-21
Report ID : 1267378

TO15 List

Galson ID:			L547197-1		L547197-2		L547197-3	
Client ID:			FD-MUSIC ROOM		FD-PHYSICAL ACTIVITY		FD-MAIN OFFICE	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Freon-11	0.80	4.5	<0.80	<4.5	<0.80	<4.5	<0.80	<4.5
Isopropyl Alcohol	5.0	12	51	130	7.0	17	6.2	15
Acrylonitrile	0.80	1.7	<0.80	<1.7	<0.80	<1.7	<0.80	<1.7
Pentane	0.80	2.4	<0.80	<2.4	<0.80	<2.4	<0.80	<2.4
Ethyl Bromide	0.80	3.6	<0.80	<3.6	<0.80	<3.6	<0.80	<3.6
1,1-Dichloroethene	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2
tert-Butyl Alcohol	5.0	15	<5.0	<15	<5.0	<15	<5.0	<15
Methylene Chloride	0.80	2.8	<0.80	<2.8	<0.80	<2.8	<0.80	<2.8
Freon-113	0.80	6.1	<0.80	<6.1	<0.80	<6.1	<0.80	<6.1
Carbon Disulfide	5.0	16	<5.0	<16	<5.0	<16	<5.0	<16
Allyl Chloride	0.80	2.5	<0.80	<2.5	<0.80	<2.5	<0.80	<2.5
trans-1,2-Dichloroethene	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2
1,1-Dichloroethane	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : BLD

Supervisor: BLD
Approved by : JMR
Date : 04-OCT-21

LABORATORY ANALYSIS REPORT

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Client : Phase Separation Science, Inc.
Site : F.T. DAY SCHOOL
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Date Sampled : 17-SEP-21
Date Received : 22-SEP-21

Account No.: 15354
Login No. : L547197
Date Analyzed : 30-SEP-21
Report ID : 1267378

TO15 List

Galson ID:			L547197-1		L547197-2		L547197-3	
Client ID:			FD-MUSIC ROOM		FD-PHYSICAL ACTIVITY		FD-MAIN OFFICE	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Methyl tert-Butyl Ether	0.80	2.9	<0.80	<2.9	<0.80	<2.9	<0.80	<2.9
Vinyl Acetate	0.80	2.8	<0.80	<2.8	<0.80	<2.8	<0.80	<2.8
Methyl Ethyl Ketone	0.80	2.4	<0.80	<2.4	<0.80	<2.4	<0.80	<2.4
cis-1,2-Dichloroethylene	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2
Hexane	0.80	2.8	<0.80	<2.8	<0.80	<2.8	<0.80	<2.8
Ethyl Acetate	0.80	2.9	1.9	6.8	1.2	4.4	1.7	6.1
Chloroform	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
Tetrahydrofuran	0.80	2.4	<0.80	<2.4	<0.80	<2.4	<0.80	<2.4
1,2-Dichloroethane	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2
1,1,1-Trichloroethane	0.80	4.4	<0.80	<4.4	<0.80	<4.4	<0.80	<4.4
Benzene	0.80	2.6	<0.80	<2.6	<0.80	<2.6	<0.80	<2.6
Carbon Tetrachloride	0.80	5.0	<0.80	<5.0	<0.80	<5.0	<0.80	<5.0
Cyclohexane	0.80	2.8	<0.80	<2.8	<0.80	<2.8	<0.80	<2.8

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : BLD

Supervisor: BLD
Approved by : JMR
Date : 04-OCT-21

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LELAP Lab ID #04083

LABORATORY ANALYSIS REPORT

Client : Phase Separation Science, Inc.
Site : F.T. DAY SCHOOL
Project No. : ACPS IAQ TESTING
Date Sampled : 17-SEP-21
Date Received : 22-SEP-21

Account No.: 15354
Login No. : L547197
Date Analyzed : 30-SEP-21
Report ID : 1267378

TO15 List

Galson ID:			L547197-1		L547197-2		L547197-3	
Client ID:			FD-MUSIC ROOM		FD-PHYSICAL ACTIVITY		FD-MAIN OFFICE	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
1,2-Dichloropropane	0.80	3.7	<0.80	<3.7	<0.80	<3.7	<0.80	<3.7
Bromodichloromethane	0.80	5.4	<0.80	<5.4	<0.80	<5.4	<0.80	<5.4
1,4-Dioxane	0.80	2.9	<0.80	<2.9	<0.80	<2.9	<0.80	<2.9
Trichloroethylene	0.80	4.3	<0.80	<4.3	<0.80	<4.3	<0.80	<4.3
2,2,4-Trimethylpentane	0.80	3.7	<0.80	<3.7	<0.80	<3.7	<0.80	<3.7
Methyl Methacrylate	0.80	3.3	<0.80	<3.3	<0.80	<3.3	<0.80	<3.3
Heptane	0.80	3.3	<0.80	<3.3	<0.80	<3.3	<0.80	<3.3
cis-1,3-Dichloropropene	0.80	3.6	<0.80	<3.6	<0.80	<3.6	<0.80	<3.6
trans-1,3-Dichloropropene	0.80	3.6	<0.80	<3.6	<0.80	<3.6	<0.80	<3.6
1,1,2-Trichloroethane	0.80	4.4	<0.80	<4.4	<0.80	<4.4	<0.80	<4.4
Methyl Isobutyl Ketone	0.80	3.3	<0.80	<3.3	<0.80	<3.3	<0.80	<3.3
Toluene	0.80	3.0	<0.80	<3.0	<0.80	<3.0	2.2	8.3
Methyl Butyl Ketone	0.80	3.3	<0.80	<3.3	<0.80	<3.3	<0.80	<3.3

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : BLD

Supervisor: BLD
Approved by : JMR
Date : 04-OCT-21

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Date Analyzed : 30-SEP-21
Report ID : 1267378

TO15 List

Galson ID:			L547197-1		L547197-2		L547197-3	
Client ID:			FD-MUSIC ROOM		FD-PHYSICAL ACTIVITY		FD-MAIN OFFICE	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Dibromochloromethane	0.80	6.8	<0.80	<6.8	<0.80	<6.8	<0.80	<6.8
1,2-Dibromoethane	0.80	6.1	<0.80	<6.1	<0.80	<6.1	<0.80	<6.1
Tetrachloroethylene	0.80	5.4	<0.80	<5.4	<0.80	<5.4	<0.80	<5.4
Chlorobenzene	0.80	3.7	<0.80	<3.7	<0.80	<3.7	<0.80	<3.7
Ethylbenzene	0.80	3.5	<0.80	<3.5	<0.80	<3.5	<0.80	<3.5
m & p-Xylene	1.6	6.9	<1.6	<6.9	<1.6	<6.9	<1.6	<6.9
Bromoform	0.80	8.3	<0.80	<8.3	<0.80	<8.3	<0.80	<8.3
Styrene	0.80	3.4	<0.80	<3.4	<0.80	<3.4	<0.80	<3.4
1,1,2,2-Tetrachloroethane	0.80	5.5	<0.80	<5.5	<0.80	<5.5	<0.80	<5.5
o-Xylene	0.80	3.5	<0.80	<3.5	<0.80	<3.5	<0.80	<3.5
Nonane	0.80	4.2	<0.80	<4.2	<0.80	<4.2	<0.80	<4.2
Cumene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
2-Chlorotoluene	0.80	4.1	<0.80	<4.1	<0.80	<4.1	<0.80	<4.1

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : BLD

Approved by : JMR
Date : 04-OCT-21

Supervisor: BLD

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TO15 List

Galson ID:			L547197-1		L547197-2		L547197-3	
Client ID:			FD-MUSIC ROOM		FD-PHYSICAL ACTIVITY		FD-MAIN OFFICE	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
n-Propylbenzene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
4-Ethyltoluene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
1,3,5-Trimethylbenzene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
1,2,4-Trimethylbenzene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
Benzyl Chloride	0.80	4.1	<0.80	<4.1	<0.80	<4.1	<0.80	<4.1
1,3-Dichlorobenzene	0.80	4.8	<0.80	<4.8	<0.80	<4.8	<0.80	<4.8
1,4-Dichlorobenzene	0.80	4.8	<0.80	<4.8	<0.80	<4.8	<0.80	<4.8
1,2-Dichlorobenzene	0.80	4.8	<0.80	<4.8	<0.80	<4.8	<0.80	<4.8
Naphthalene	0.80	4.2	<0.80	<4.2	<0.80	<4.2	<0.80	<4.2

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : BLD

Supervisor: BLD
Approved by : JMR
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Report ID : 1267378

TO15 List

Galson ID:			L547197-4		L547197-5		L547197-6	
Client ID:			FD-CLASS 214		FD-HALL 230		FD-225	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Propylene	5.0	8.6	<5.0	<8.6	<5.0	<8.6	<5.0	<8.6
Freon-12	0.80	4.0	<0.80	<4.0	<0.80	<4.0	<0.80	<4.0
Chloromethane	0.80	1.7	<0.80	<1.7	<0.80	<1.7	<0.80	<1.7
Freon-114	0.80	5.6	<0.80	<5.6	<0.80	<5.6	<0.80	<5.6
Vinyl Chloride	0.80	2.0	<0.80	<2.0	<0.80	<2.0	<0.80	<2.0
1,3-Butadiene	0.80	1.8	<0.80	<1.8	<0.80	<1.8	<0.80	<1.8
n-Butane	0.80	1.9	1.6	3.7	3.7	8.9	2.6	6.1
Bromomethane	0.80	3.1	<0.80	<3.1	<0.80	<3.1	<0.80	<3.1
Chloroethane	0.80	2.1	<0.80	<2.1	<0.80	<2.1	<0.80	<2.1
Acetonitrile	5.0	8.4	<5.0	<8.4	<5.0	<8.4	<5.0	<8.4
Vinyl Bromide	0.80	3.5	<0.80	<3.5	<0.80	<3.5	<0.80	<3.5
Acrolein	0.80	1.8	<0.80	<1.8	<0.80	<1.8	<0.80	<1.8
Acetone	5.0	12	5.8	14	5.4	13	5.8	14

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : BLD

Approved by : JMR
Date : 04-OCT-21

Supervisor: BLD

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TO15 List

Galson ID:			L547197-4		L547197-5		L547197-6	
Client ID:			FD-CLASS 214		FD-HALL 230		FD-225	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Freon-11	0.80	4.5	<0.80	<4.5	<0.80	<4.5	<0.80	<4.5
Isopropyl Alcohol	5.0	12	9.7	24	10	25	8.0	20
Acrylonitrile	0.80	1.7	<0.80	<1.7	<0.80	<1.7	<0.80	<1.7
Pentane	0.80	2.4	<0.80	<2.4	<0.80	<2.4	<0.80	<2.4
Ethyl Bromide	0.80	3.6	<0.80	<3.6	<0.80	<3.6	<0.80	<3.6
1,1-Dichloroethene	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2
tert-Butyl Alcohol	5.0	15	<5.0	<15	<5.0	<15	<5.0	<15
Methylene Chloride	0.80	2.8	<0.80	<2.8	<0.80	<2.8	<0.80	<2.8
Freon-113	0.80	6.1	<0.80	<6.1	<0.80	<6.1	<0.80	<6.1
Carbon Disulfide	5.0	16	<5.0	<16	<5.0	<16	<5.0	<16
Allyl Chloride	0.80	2.5	<0.80	<2.5	<0.80	<2.5	<0.80	<2.5
trans-1,2-Dichloroethene	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2
1,1-Dichloroethane	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS Supervisor: BLD
Collection Media : Mini Can Approved by : JMR
Submitted by : BLD Date : 04-OCT-21

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TO15 List

Galson ID:			L547197-4		L547197-5		L547197-6	
Client ID:			FD-CLASS 214		FD-HALL 230		FD-225	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Methyl tert-Butyl Ether	0.80	2.9	<0.80	<2.9	<0.80	<2.9	<0.80	<2.9
Vinyl Acetate	0.80	2.8	<0.80	<2.8	<0.80	<2.8	<0.80	<2.8
Methyl Ethyl Ketone	0.80	2.4	<0.80	<2.4	<0.80	<2.4	<0.80	<2.4
cis-1,2-Dichloroethylene	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2
Hexane	0.80	2.8	<0.80	<2.8	<0.80	<2.8	<0.80	<2.8
Ethyl Acetate	0.80	2.9	1.5	5.3	<0.80	<2.9	<0.80	<2.9
Chloroform	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
Tetrahydrofuran	0.80	2.4	<0.80	<2.4	<0.80	<2.4	<0.80	<2.4
1,2-Dichloroethane	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2
1,1,1-Trichloroethane	0.80	4.4	<0.80	<4.4	<0.80	<4.4	<0.80	<4.4
Benzene	0.80	2.6	<0.80	<2.6	<0.80	<2.6	<0.80	<2.6
Carbon Tetrachloride	0.80	5.0	<0.80	<5.0	<0.80	<5.0	<0.80	<5.0
Cyclohexane	0.80	2.8	<0.80	<2.8	<0.80	<2.8	<0.80	<2.8

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS Supervisor: BLD
Collection Media : Mini Can Approved by : JMR
Submitted by : BLD Date : 04-OCT-21

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TO15 List

Galson ID:			L547197-4		L547197-5		L547197-6	
Client ID:			FD-CLASS 214		FD-HALL 230		FD-225	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
1,2-Dichloropropane	0.80	3.7	<0.80	<3.7	<0.80	<3.7	<0.80	<3.7
Bromodichloromethane	0.80	5.4	<0.80	<5.4	<0.80	<5.4	<0.80	<5.4
1,4-Dioxane	0.80	2.9	<0.80	<2.9	<0.80	<2.9	<0.80	<2.9
Trichloroethylene	0.80	4.3	<0.80	<4.3	<0.80	<4.3	<0.80	<4.3
2,2,4-Trimethylpentane	0.80	3.7	<0.80	<3.7	<0.80	<3.7	<0.80	<3.7
Methyl Methacrylate	0.80	3.3	<0.80	<3.3	<0.80	<3.3	<0.80	<3.3
Heptane	0.80	3.3	<0.80	<3.3	<0.80	<3.3	<0.80	<3.3
cis-1,3-Dichloropropene	0.80	3.6	<0.80	<3.6	<0.80	<3.6	<0.80	<3.6
trans-1,3-Dichloropropene	0.80	3.6	<0.80	<3.6	<0.80	<3.6	<0.80	<3.6
1,1,2-Trichloroethane	0.80	4.4	<0.80	<4.4	<0.80	<4.4	<0.80	<4.4
Methyl Isobutyl Ketone	0.80	3.3	<0.80	<3.3	<0.80	<3.3	<0.80	<3.3
Toluene	0.80	3.0	<0.80	<3.0	<0.80	<3.0	1.0	3.8
Methyl Butyl Ketone	0.80	3.3	<0.80	<3.3	<0.80	<3.3	<0.80	<3.3

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS Supervisor: BLD
Collection Media : Mini Can Approved by : JMR
Submitted by : BLD Date : 04-OCT-21

LABORATORY ANALYSIS REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.sgsgalson.com

Client : Phase Separation Science, Inc.
Site : F.T. DAY SCHOOL
Project No. : ACPS IAQ TESTING
Date Sampled : 17-SEP-21
Date Received : 22-SEP-21

Account No.: 15354
Login No. : L547197
Date Analyzed : 30-SEP-21
Report ID : 1267378

TO15 List

Galson ID:			L547197-4		L547197-5		L547197-6	
Client ID:			FD-CLASS 214		FD-HALL 230		FD-225	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Dibromochloromethane	0.80	6.8	<0.80	<6.8	<0.80	<6.8	<0.80	<6.8
1,2-Dibromoethane	0.80	6.1	<0.80	<6.1	<0.80	<6.1	<0.80	<6.1
Tetrachloroethylene	0.80	5.4	<0.80	<5.4	<0.80	<5.4	<0.80	<5.4
Chlorobenzene	0.80	3.7	<0.80	<3.7	<0.80	<3.7	<0.80	<3.7
Ethylbenzene	0.80	3.5	<0.80	<3.5	<0.80	<3.5	<0.80	<3.5
m & p-Xylene	1.6	6.9	<1.6	<6.9	<1.6	<6.9	<1.6	<6.9
Bromoform	0.80	8.3	<0.80	<8.3	<0.80	<8.3	<0.80	<8.3
Styrene	0.80	3.4	<0.80	<3.4	<0.80	<3.4	<0.80	<3.4
1,1,2,2-Tetrachloroethane	0.80	5.5	<0.80	<5.5	<0.80	<5.5	<0.80	<5.5
o-Xylene	0.80	3.5	<0.80	<3.5	<0.80	<3.5	<0.80	<3.5
Nonane	0.80	4.2	<0.80	<4.2	<0.80	<4.2	<0.80	<4.2
Cumene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
2-Chlorotoluene	0.80	4.1	<0.80	<4.1	<0.80	<4.1	<0.80	<4.1

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : BLD

Approved by : JMR
Date : 04-OCT-21

Supervisor: BLD

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LELAP Lab ID #04083

LABORATORY ANALYSIS REPORT

Client : Phase Separation Science, Inc. Account No.: 15354
Site : F.T. DAY SCHOOL Login No. : L547197
Project No. : ACPS IAQ TESTING
Date Sampled : 17-SEP-21 Date Analyzed : 30-SEP-21
Date Received : 22-SEP-21 Report ID : 1267378

TO15 List

Galson ID:			L547197-4		L547197-5		L547197-6	
Client ID:			FD-CLASS 214		FD-HALL 230		FD-225	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
n-Propylbenzene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
4-Ethyltoluene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
1,3,5-Trimethylbenzene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
1,2,4-Trimethylbenzene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
Benzyl Chloride	0.80	4.1	<0.80	<4.1	<0.80	<4.1	<0.80	<4.1
1,3-Dichlorobenzene	0.80	4.8	<0.80	<4.8	<0.80	<4.8	<0.80	<4.8
1,4-Dichlorobenzene	0.80	4.8	<0.80	<4.8	<0.80	<4.8	<0.80	<4.8
1,2-Dichlorobenzene	0.80	4.8	<0.80	<4.8	<0.80	<4.8	<0.80	<4.8
Naphthalene	0.80	4.2	<0.80	<4.2	<0.80	<4.2	<0.80	<4.2

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS Supervisor: BLD
Collection Media : Mini Can Approved by : JMR
Submitted by : BLD Date : 04-OCT-21

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Account No.: 15354
Login No. : L547197

Date Analyzed : 30-SEP-21
Report ID : 1267378

TO15 List

Galson ID:			L547197-7		L547197-8		L547197-9	
Client ID:			FD-HALL C205		FD-317		FD-HALLWAY 319	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Propylene	5.0	8.6	<5.0	<8.6	<5.0	<8.6	<5.0	<8.6
Freon-12	0.80	4.0	<0.80	<4.0	<0.80	<4.0	<0.80	<4.0
Chloromethane	0.80	1.7	<0.80	<1.7	<0.80	<1.7	<0.80	<1.7
Freon-114	0.80	5.6	<0.80	<5.6	<0.80	<5.6	<0.80	<5.6
Vinyl Chloride	0.80	2.0	<0.80	<2.0	<0.80	<2.0	<0.80	<2.0
1,3-Butadiene	0.80	1.8	<0.80	<1.8	<0.80	<1.8	<0.80	<1.8
n-Butane	0.80	1.9	3.5	8.3	1.5	3.6	5.8	14
Bromomethane	0.80	3.1	<0.80	<3.1	<0.80	<3.1	<0.80	<3.1
Chloroethane	0.80	2.1	<0.80	<2.1	<0.80	<2.1	<0.80	<2.1
Acetonitrile	5.0	8.4	<5.0	<8.4	<5.0	<8.4	<5.0	<8.4
Vinyl Bromide	0.80	3.5	<0.80	<3.5	<0.80	<3.5	<0.80	<3.5
Acrolein	0.80	1.8	<0.80	<1.8	<0.80	<1.8	<0.80	<1.8
Acetone	5.0	12	5.9	14	6.8	16	15	35

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : BLD

Supervisor: BLD
Approved by : JMR
Date : 04-OCT-21

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LELAP Lab ID #04083

LABORATORY ANALYSIS REPORT

Client : Phase Separation Science, Inc. Account No.: 15354
Site : F.T. DAY SCHOOL Login No. : L547197
Project No. : ACPS IAQ TESTING
Date Sampled : 17-SEP-21 Date Analyzed : 30-SEP-21
Date Received : 22-SEP-21 Report ID : 1267378

TO15 List

Galson ID:			L547197-7		L547197-8		L547197-9	
Client ID:			FD-HALL C205		FD-317		FD-HALLWAY 319	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Freon-11	0.80	4.5	<0.80	<4.5	<0.80	<4.5	<0.80	<4.5
Isopropyl Alcohol	5.0	12	12	30	6.7	17	9.3	23
Acrylonitrile	0.80	1.7	<0.80	<1.7	<0.80	<1.7	<0.80	<1.7
Pentane	0.80	2.4	<0.80	<2.4	<0.80	<2.4	<0.80	<2.4
Ethyl Bromide	0.80	3.6	<0.80	<3.6	<0.80	<3.6	<0.80	<3.6
1,1-Dichloroethene	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2
tert-Butyl Alcohol	5.0	15	<5.0	<15	<5.0	<15	<5.0	<15
Methylene Chloride	0.80	2.8	<0.80	<2.8	<0.80	<2.8	<0.80	<2.8
Freon-113	0.80	6.1	<0.80	<6.1	<0.80	<6.1	<0.80	<6.1
Carbon Disulfide	5.0	16	<5.0	<16	<5.0	<16	<5.0	<16
Allyl Chloride	0.80	2.5	<0.80	<2.5	<0.80	<2.5	<0.80	<2.5
trans-1,2-Dichloroethene	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2
1,1-Dichloroethane	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS Supervisor: BLD
Collection Media : Mini Can Approved by : JMR
Submitted by : BLD Date : 04-OCT-21

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Project No. : ACPS IAQ TESTING
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Date Received : 22-SEP-21 Report ID : 1267378

TO15 List

Galson ID:			L547197-7		L547197-8		L547197-9	
Client ID:			FD-HALL C205		FD-317		FD-HALLWAY 319	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Methyl tert-Butyl Ether	0.80	2.9	<0.80	<2.9	<0.80	<2.9	<0.80	<2.9
Vinyl Acetate	0.80	2.8	<0.80	<2.8	<0.80	<2.8	<0.80	<2.8
Methyl Ethyl Ketone	0.80	2.4	<0.80	<2.4	<0.80	<2.4	<0.80	<2.4
cis-1,2-Dichloroethylene	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2
Hexane	0.80	2.8	<0.80	<2.8	<0.80	<2.8	<0.80	<2.8
Ethyl Acetate	0.80	2.9	<0.80	<2.9	<0.80	<2.9	<0.80	<2.9
Chloroform	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
Tetrahydrofuran	0.80	2.4	<0.80	<2.4	<0.80	<2.4	<0.80	<2.4
1,2-Dichloroethane	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2
1,1,1-Trichloroethane	0.80	4.4	<0.80	<4.4	<0.80	<4.4	<0.80	<4.4
Benzene	0.80	2.6	<0.80	<2.6	<0.80	<2.6	<0.80	<2.6
Carbon Tetrachloride	0.80	5.0	<0.80	<5.0	<0.80	<5.0	<0.80	<5.0
Cyclohexane	0.80	2.8	<0.80	<2.8	<0.80	<2.8	<0.80	<2.8

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS Supervisor: BLD
Collection Media : Mini Can Approved by : JMR
Submitted by : BLD Date : 04-OCT-21

LABORATORY ANALYSIS REPORT

6601 Kirkville Road
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Client : Phase Separation Science, Inc.
Site : F.T. DAY SCHOOL
Project No. : ACPS IAQ TESTING
Date Sampled : 17-SEP-21
Date Received : 22-SEP-21

Account No.: 15354
Login No. : L547197
Date Analyzed : 30-SEP-21
Report ID : 1267378

TO15 List

Galson ID:			L547197-7		L547197-8		L547197-9	
Client ID:			FD-HALL C205		FD-317		FD-HALLWAY 319	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
1,2-Dichloropropane	0.80	3.7	<0.80	<3.7	<0.80	<3.7	<0.80	<3.7
Bromodichloromethane	0.80	5.4	<0.80	<5.4	<0.80	<5.4	<0.80	<5.4
1,4-Dioxane	0.80	2.9	<0.80	<2.9	<0.80	<2.9	<0.80	<2.9
Trichloroethylene	0.80	4.3	<0.80	<4.3	<0.80	<4.3	<0.80	<4.3
2,2,4-Trimethylpentane	0.80	3.7	<0.80	<3.7	<0.80	<3.7	<0.80	<3.7
Methyl Methacrylate	0.80	3.3	<0.80	<3.3	<0.80	<3.3	<0.80	<3.3
Heptane	0.80	3.3	<0.80	<3.3	<0.80	<3.3	<0.80	<3.3
cis-1,3-Dichloropropene	0.80	3.6	<0.80	<3.6	<0.80	<3.6	<0.80	<3.6
trans-1,3-Dichloropropene	0.80	3.6	<0.80	<3.6	<0.80	<3.6	<0.80	<3.6
1,1,2-Trichloroethane	0.80	4.4	<0.80	<4.4	<0.80	<4.4	<0.80	<4.4
Methyl Isobutyl Ketone	0.80	3.3	<0.80	<3.3	<0.80	<3.3	<0.80	<3.3
Toluene	0.80	3.0	1.2	4.7	<0.80	<3.0	2.5	9.5
Methyl Butyl Ketone	0.80	3.3	<0.80	<3.3	<0.80	<3.3	<0.80	<3.3

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : BLD

Supervisor: BLD
Approved by : JMR
Date : 04-OCT-21

LABORATORY ANALYSIS REPORT

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Project No. : ACPS IAQ TESTING
Date Sampled : 17-SEP-21
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TO15 List

Galson ID:			L547197-7		L547197-8		L547197-9	
Client ID:			FD-HALL C205		FD-317		FD-HALLWAY 319	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Dibromochloromethane	0.80	6.8	<0.80	<6.8	<0.80	<6.8	<0.80	<6.8
1,2-Dibromoethane	0.80	6.1	<0.80	<6.1	<0.80	<6.1	<0.80	<6.1
Tetrachloroethylene	0.80	5.4	<0.80	<5.4	<0.80	<5.4	<0.80	<5.4
Chlorobenzene	0.80	3.7	<0.80	<3.7	<0.80	<3.7	<0.80	<3.7
Ethylbenzene	0.80	3.5	<0.80	<3.5	<0.80	<3.5	<0.80	<3.5
m & p-Xylene	1.6	6.9	<1.6	<6.9	<1.6	<6.9	<1.6	<6.9
Bromoform	0.80	8.3	<0.80	<8.3	<0.80	<8.3	<0.80	<8.3
Styrene	0.80	3.4	<0.80	<3.4	<0.80	<3.4	<0.80	<3.4
1,1,2,2-Tetrachloroethane	0.80	5.5	<0.80	<5.5	<0.80	<5.5	<0.80	<5.5
o-Xylene	0.80	3.5	<0.80	<3.5	<0.80	<3.5	<0.80	<3.5
Nonane	0.80	4.2	<0.80	<4.2	<0.80	<4.2	<0.80	<4.2
Cumene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
2-Chlorotoluene	0.80	4.1	<0.80	<4.1	<0.80	<4.1	<0.80	<4.1

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : BLD

Approved by : JMR
Date : 04-OCT-21

Supervisor: BLD

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LELAP Lab ID #04083

LABORATORY ANALYSIS REPORT

Client : Phase Separation Science, Inc. Account No.: 15354
Site : F.T. DAY SCHOOL Login No. : L547197
Project No. : ACPS IAQ TESTING
Date Sampled : 17-SEP-21 Date Analyzed : 30-SEP-21
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TO15 List

Galson ID:			L547197-7		L547197-8		L547197-9	
Client ID:			FD-HALL C205		FD-317		FD-HALLWAY 319	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
n-Propylbenzene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
4-Ethyltoluene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
1,3,5-Trimethylbenzene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
1,2,4-Trimethylbenzene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
Benzyl Chloride	0.80	4.1	<0.80	<4.1	<0.80	<4.1	<0.80	<4.1
1,3-Dichlorobenzene	0.80	4.8	<0.80	<4.8	<0.80	<4.8	<0.80	<4.8
1,4-Dichlorobenzene	0.80	4.8	<0.80	<4.8	<0.80	<4.8	<0.80	<4.8
1,2-Dichlorobenzene	0.80	4.8	<0.80	<4.8	<0.80	<4.8	<0.80	<4.8
Naphthalene	0.80	4.2	<0.80	<4.2	<0.80	<4.2	<0.80	<4.2

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS Supervisor: BLD
Collection Media : Mini Can Approved by : JMR
Submitted by : BLD Date : 04-OCT-21

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Account No.: 15354
Login No. : L547197
Date Analyzed : 30-SEP-21
Report ID : 1267378

TO15 List

Galson ID:			L547197-10		L547197-11		L547197-12	
Client ID:			FD-HALLWAY 308		FD-412		FD-401A	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Propylene	5.0	8.6	<5.0	<8.6	<5.0	<8.6	<5.0	<8.6
Freon-12	0.80	4.0	<0.80	<4.0	<0.80	<4.0	<0.80	<4.0
Chloromethane	0.80	1.7	<0.80	<1.7	<0.80	<1.7	<0.80	<1.7
Freon-114	0.80	5.6	<0.80	<5.6	<0.80	<5.6	<0.80	<5.6
Vinyl Chloride	0.80	2.0	<0.80	<2.0	<0.80	<2.0	<0.80	<2.0
1,3-Butadiene	0.80	1.8	<0.80	<1.8	<0.80	<1.8	<0.80	<1.8
n-Butane	0.80	1.9	5.5	13	1.4	3.3	2.2	5.1
Bromomethane	0.80	3.1	<0.80	<3.1	<0.80	<3.1	<0.80	<3.1
Chloroethane	0.80	2.1	<0.80	<2.1	<0.80	<2.1	<0.80	<2.1
Acetonitrile	5.0	8.4	<5.0	<8.4	<5.0	<8.4	<5.0	<8.4
Vinyl Bromide	0.80	3.5	<0.80	<3.5	<0.80	<3.5	<0.80	<3.5
Acrolein	0.80	1.8	<0.80	<1.8	<0.80	<1.8	<0.80	<1.8
Acetone	5.0	12	8.2	19	5.6	13	7.1	17

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : BLD

Approved by : JMR
Date : 04-OCT-21

Supervisor: BLD

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LELAP Lab ID #04083

LABORATORY ANALYSIS REPORT

Client : Phase Separation Science, Inc. Account No.: 15354
Site : F.T. DAY SCHOOL Login No. : L547197
Project No. : ACPS IAQ TESTING
Date Sampled : 17-SEP-21 Date Analyzed : 30-SEP-21
Date Received : 22-SEP-21 Report ID : 1267378

TO15 List

Galson ID:			L547197-10		L547197-11		L547197-12	
Client ID:			FD-HALLWAY 308		FD-412		FD-401A	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Freon-11	0.80	4.5	<0.80	<4.5	<0.80	<4.5	<0.80	<4.5
Isopropyl Alcohol	5.0	12	7.5	19	7.2	18	7.7	19
Acrylonitrile	0.80	1.7	<0.80	<1.7	<0.80	<1.7	<0.80	<1.7
Pentane	0.80	2.4	<0.80	<2.4	<0.80	<2.4	<0.80	<2.4
Ethyl Bromide	0.80	3.6	<0.80	<3.6	<0.80	<3.6	<0.80	<3.6
1,1-Dichloroethene	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2
tert-Butyl Alcohol	5.0	15	<5.0	<15	<5.0	<15	<5.0	<15
Methylene Chloride	0.80	2.8	<0.80	<2.8	<0.80	<2.8	<0.80	<2.8
Freon-113	0.80	6.1	<0.80	<6.1	<0.80	<6.1	<0.80	<6.1
Carbon Disulfide	5.0	16	<5.0	<16	<5.0	<16	<5.0	<16
Allyl Chloride	0.80	2.5	<0.80	<2.5	<0.80	<2.5	<0.80	<2.5
trans-1,2-Dichloroethene	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2
1,1-Dichloroethane	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS Supervisor: BLD
Collection Media : Mini Can Approved by : JMR
Submitted by : BLD Date : 04-OCT-21

LABORATORY ANALYSIS REPORT

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Site : F.T. DAY SCHOOL
Project No. : ACPS IAQ TESTING
Date Sampled : 17-SEP-21
Date Received : 22-SEP-21

Account No.: 15354
Login No. : L547197
Date Analyzed : 30-SEP-21
Report ID : 1267378

TO15 List

Galson ID:			L547197-10		L547197-11		L547197-12	
Client ID:			FD-HALLWAY 308		FD-412		FD-401A	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Methyl tert-Butyl Ether	0.80	2.9	<0.80	<2.9	<0.80	<2.9	<0.80	<2.9
Vinyl Acetate	0.80	2.8	<0.80	<2.8	<0.80	<2.8	<0.80	<2.8
Methyl Ethyl Ketone	0.80	2.4	<0.80	<2.4	<0.80	<2.4	<0.80	<2.4
cis-1,2-Dichloroethylene	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2
Hexane	0.80	2.8	<0.80	<2.8	<0.80	<2.8	<0.80	<2.8
Ethyl Acetate	0.80	2.9	<0.80	<2.9	<0.80	<2.9	<0.80	<2.9
Chloroform	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
Tetrahydrofuran	0.80	2.4	<0.80	<2.4	<0.80	<2.4	<0.80	<2.4
1,2-Dichloroethane	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2
1,1,1-Trichloroethane	0.80	4.4	<0.80	<4.4	<0.80	<4.4	<0.80	<4.4
Benzene	0.80	2.6	<0.80	<2.6	<0.80	<2.6	<0.80	<2.6
Carbon Tetrachloride	0.80	5.0	<0.80	<5.0	<0.80	<5.0	<0.80	<5.0
Cyclohexane	0.80	2.8	<0.80	<2.8	<0.80	<2.8	<0.80	<2.8

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : BLD

Supervisor: BLD
Approved by : JMR
Date : 04-OCT-21

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LELAP Lab ID #04083

LABORATORY ANALYSIS REPORT

Client : Phase Separation Science, Inc. Account No.: 15354
Site : F.T. DAY SCHOOL Login No. : L547197
Project No. : ACPS IAQ TESTING
Date Sampled : 17-SEP-21 Date Analyzed : 30-SEP-21
Date Received : 22-SEP-21 Report ID : 1267378

TO15 List

Galson ID:			L547197-10		L547197-11		L547197-12	
Client ID:			FD-HALLWAY 308		FD-412		FD-401A	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
1,2-Dichloropropane	0.80	3.7	<0.80	<3.7	<0.80	<3.7	<0.80	<3.7
Bromodichloromethane	0.80	5.4	<0.80	<5.4	<0.80	<5.4	<0.80	<5.4
1,4-Dioxane	0.80	2.9	<0.80	<2.9	<0.80	<2.9	<0.80	<2.9
Trichloroethylene	0.80	4.3	<0.80	<4.3	<0.80	<4.3	<0.80	<4.3
2,2,4-Trimethylpentane	0.80	3.7	<0.80	<3.7	<0.80	<3.7	<0.80	<3.7
Methyl Methacrylate	0.80	3.3	<0.80	<3.3	<0.80	<3.3	<0.80	<3.3
Heptane	0.80	3.3	<0.80	<3.3	<0.80	<3.3	<0.80	<3.3
cis-1,3-Dichloropropene	0.80	3.6	<0.80	<3.6	<0.80	<3.6	<0.80	<3.6
trans-1,3-Dichloropropene	0.80	3.6	<0.80	<3.6	<0.80	<3.6	<0.80	<3.6
1,1,2-Trichloroethane	0.80	4.4	<0.80	<4.4	<0.80	<4.4	<0.80	<4.4
Methyl Isobutyl Ketone	0.80	3.3	<0.80	<3.3	<0.80	<3.3	<0.80	<3.3
Toluene	0.80	3.0	<0.80	<3.0	<0.80	<3.0	<0.80	<3.0
Methyl Butyl Ketone	0.80	3.3	<0.80	<3.3	<0.80	<3.3	<0.80	<3.3

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS Supervisor: BLD
Collection Media : Mini Can Approved by : JMR
Submitted by : BLD Date : 04-OCT-21

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Client : Phase Separation Science, Inc.
Site : F.T. DAY SCHOOL
Project No. : ACPS IAQ TESTING
Date Sampled : 17-SEP-21
Date Received : 22-SEP-21

Account No.: 15354
Login No. : L547197
Date Analyzed : 30-SEP-21
Report ID : 1267378

TO15 List

Galson ID:			L547197-10		L547197-11		L547197-12	
Client ID:			FD-HALLWAY 308		FD-412		FD-401A	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Dibromochloromethane	0.80	6.8	<0.80	<6.8	<0.80	<6.8	<0.80	<6.8
1,2-Dibromoethane	0.80	6.1	<0.80	<6.1	<0.80	<6.1	<0.80	<6.1
Tetrachloroethylene	0.80	5.4	<0.80	<5.4	<0.80	<5.4	<0.80	<5.4
Chlorobenzene	0.80	3.7	<0.80	<3.7	<0.80	<3.7	<0.80	<3.7
Ethylbenzene	0.80	3.5	<0.80	<3.5	<0.80	<3.5	<0.80	<3.5
m & p-Xylene	1.6	6.9	<1.6	<6.9	<1.6	<6.9	<1.6	<6.9
Bromoform	0.80	8.3	<0.80	<8.3	<0.80	<8.3	<0.80	<8.3
Styrene	0.80	3.4	<0.80	<3.4	<0.80	<3.4	<0.80	<3.4
1,1,2,2-Tetrachloroethane	0.80	5.5	<0.80	<5.5	<0.80	<5.5	<0.80	<5.5
o-Xylene	0.80	3.5	<0.80	<3.5	<0.80	<3.5	<0.80	<3.5
Nonane	0.80	4.2	<0.80	<4.2	1.2	6.1	<0.80	<4.2
Cumene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
2-Chlorotoluene	0.80	4.1	<0.80	<4.1	<0.80	<4.1	<0.80	<4.1

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : BLD

Approved by : JMR
Date : 04-OCT-21

Supervisor: BLD

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Account No.: 15354
Login No. : L547197
Date Analyzed : 30-SEP-21
Report ID : 1267378

TO15 List

Galson ID:			L547197-10		L547197-11		L547197-12	
Client ID:			FD-HALLWAY 308		FD-412		FD-401A	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
n-Propylbenzene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
4-Ethyltoluene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
1,3,5-Trimethylbenzene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
1,2,4-Trimethylbenzene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
Benzyl Chloride	0.80	4.1	<0.80	<4.1	<0.80	<4.1	<0.80	<4.1
1,3-Dichlorobenzene	0.80	4.8	<0.80	<4.8	<0.80	<4.8	<0.80	<4.8
1,4-Dichlorobenzene	0.80	4.8	<0.80	<4.8	<0.80	<4.8	<0.80	<4.8
1,2-Dichlorobenzene	0.80	4.8	<0.80	<4.8	<0.80	<4.8	<0.80	<4.8
Naphthalene	0.80	4.2	<0.80	<4.2	<0.80	<4.2	<0.80	<4.2

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : BLD

Supervisor: BLD
Approved by : JMR
Date : 04-OCT-21

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Account No.: 15354
Login No. : L547197
Date Analyzed : 30-SEP-21
Report ID : 1267378

TO15 List

Galson ID:			L547197-13		L547197-14		L547197-15	
Client ID:			FD-MEDIA CENTER		FD-420 ROOM		FD-OUTDOOR	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Propylene	5.0	8.6	<5.0	<8.6	<5.0	<8.6	<5.0	<8.6
Freon-12	0.80	4.0	<0.80	<4.0	<0.80	<4.0	<0.80	<4.0
Chloromethane	0.80	1.7	<0.80	<1.7	<0.80	<1.7	<0.80	<1.7
Freon-114	0.80	5.6	<0.80	<5.6	<0.80	<5.6	<0.80	<5.6
Vinyl Chloride	0.80	2.0	<0.80	<2.0	<0.80	<2.0	<0.80	<2.0
1,3-Butadiene	0.80	1.8	<0.80	<1.8	<0.80	<1.8	<0.80	<1.8
n-Butane	0.80	1.9	2.4	5.8	1.8	4.3	<0.80	<1.9
Bromomethane	0.80	3.1	<0.80	<3.1	<0.80	<3.1	<0.80	<3.1
Chloroethane	0.80	2.1	<0.80	<2.1	<0.80	<2.1	<0.80	<2.1
Acetonitrile	5.0	8.4	<5.0	<8.4	<5.0	<8.4	<5.0	<8.4
Vinyl Bromide	0.80	3.5	<0.80	<3.5	<0.80	<3.5	<0.80	<3.5
Acrolein	0.80	1.8	<0.80	<1.8	<0.80	<1.8	<0.80	<1.8
Acetone	5.0	12	5.9	14	7.3	17	5.1	12

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : BLD

Supervisor: BLD
Approved by : JMR
Date : 04-OCT-21

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TO15 List

Galson ID:			L547197-13		L547197-14		L547197-15	
Client ID:			FD-MEDIA CENTER		FD-420 ROOM		FD-OUTDOOR	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Freon-11	0.80	4.5	<0.80	<4.5	<0.80	<4.5	<0.80	<4.5
Isopropyl Alcohol	5.0	12	6.9	17	6.7	16	<5.0	<12
Acrylonitrile	0.80	1.7	<0.80	<1.7	<0.80	<1.7	<0.80	<1.7
Pentane	0.80	2.4	<0.80	<2.4	<0.80	<2.4	<0.80	<2.4
Ethyl Bromide	0.80	3.6	<0.80	<3.6	<0.80	<3.6	<0.80	<3.6
1,1-Dichloroethene	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2
tert-Butyl Alcohol	5.0	15	<5.0	<15	<5.0	<15	<5.0	<15
Methylene Chloride	0.80	2.8	<0.80	<2.8	<0.80	<2.8	<0.80	<2.8
Freon-113	0.80	6.1	<0.80	<6.1	<0.80	<6.1	<0.80	<6.1
Carbon Disulfide	5.0	16	<5.0	<16	<5.0	<16	<5.0	<16
Allyl Chloride	0.80	2.5	<0.80	<2.5	<0.80	<2.5	<0.80	<2.5
trans-1,2-Dichloroethene	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2
1,1-Dichloroethane	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS Supervisor: BLD
Collection Media : Mini Can Approved by : JMR
Submitted by : BLD Date : 04-OCT-21

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TO15 List

Galson ID:			L547197-13		L547197-14		L547197-15	
Client ID:			FD-MEDIA CENTER		FD-420 ROOM		FD-OUTDOOR	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Methyl tert-Butyl Ether	0.80	2.9	<0.80	<2.9	<0.80	<2.9	<0.80	<2.9
Vinyl Acetate	0.80	2.8	<0.80	<2.8	<0.80	<2.8	<0.80	<2.8
Methyl Ethyl Ketone	0.80	2.4	<0.80	<2.4	<0.80	<2.4	<0.80	<2.4
cis-1,2-Dichloroethylene	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2
Hexane	0.80	2.8	<0.80	<2.8	<0.80	<2.8	<0.80	<2.8
Ethyl Acetate	0.80	2.9	<0.80	<2.9	<0.80	<2.9	<0.80	<2.9
Chloroform	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
Tetrahydrofuran	0.80	2.4	<0.80	<2.4	<0.80	<2.4	<0.80	<2.4
1,2-Dichloroethane	0.80	3.2	<0.80	<3.2	<0.80	<3.2	<0.80	<3.2
1,1,1-Trichloroethane	0.80	4.4	<0.80	<4.4	<0.80	<4.4	<0.80	<4.4
Benzene	0.80	2.6	<0.80	<2.6	<0.80	<2.6	<0.80	<2.6
Carbon Tetrachloride	0.80	5.0	<0.80	<5.0	<0.80	<5.0	<0.80	<5.0
Cyclohexane	0.80	2.8	<0.80	<2.8	<0.80	<2.8	<0.80	<2.8

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : BLD

Supervisor: BLD
Approved by : JMR
Date : 04-OCT-21

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TO15 List

Galson ID:			L547197-13		L547197-14		L547197-15	
Client ID:			FD-MEDIA CENTER		FD-420 ROOM		FD-OUTDOOR	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
1,2-Dichloropropane	0.80	3.7	<0.80	<3.7	<0.80	<3.7	<0.80	<3.7
Bromodichloromethane	0.80	5.4	<0.80	<5.4	<0.80	<5.4	<0.80	<5.4
1,4-Dioxane	0.80	2.9	<0.80	<2.9	<0.80	<2.9	<0.80	<2.9
Trichloroethylene	0.80	4.3	<0.80	<4.3	<0.80	<4.3	<0.80	<4.3
2,2,4-Trimethylpentane	0.80	3.7	<0.80	<3.7	<0.80	<3.7	<0.80	<3.7
Methyl Methacrylate	0.80	3.3	<0.80	<3.3	<0.80	<3.3	<0.80	<3.3
Heptane	0.80	3.3	<0.80	<3.3	<0.80	<3.3	<0.80	<3.3
cis-1,3-Dichloropropene	0.80	3.6	<0.80	<3.6	<0.80	<3.6	<0.80	<3.6
trans-1,3-Dichloropropene	0.80	3.6	<0.80	<3.6	<0.80	<3.6	<0.80	<3.6
1,1,2-Trichloroethane	0.80	4.4	<0.80	<4.4	<0.80	<4.4	<0.80	<4.4
Methyl Isobutyl Ketone	0.80	3.3	<0.80	<3.3	<0.80	<3.3	<0.80	<3.3
Toluene	0.80	3.0	1.7	6.6	<0.80	<3.0	1.6	5.9
Methyl Butyl Ketone	0.80	3.3	<0.80	<3.3	<0.80	<3.3	<0.80	<3.3

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : BLD

Supervisor: BLD
Approved by : JMR
Date : 04-OCT-21

LABORATORY ANALYSIS REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.sgsgalson.com

Client : Phase Separation Science, Inc.
Site : F.T. DAY SCHOOL
Project No. : ACPS IAQ TESTING
Date Sampled : 17-SEP-21
Date Received : 22-SEP-21

Account No.: 15354
Login No. : L547197
Date Analyzed : 30-SEP-21
Report ID : 1267378

TO15 List

Galson ID:			L547197-13		L547197-14		L547197-15	
Client ID:			FD-MEDIA CENTER		FD-420 ROOM		FD-OUTDOOR	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Dibromochloromethane	0.80	6.8	<0.80	<6.8	<0.80	<6.8	<0.80	<6.8
1,2-Dibromoethane	0.80	6.1	<0.80	<6.1	<0.80	<6.1	<0.80	<6.1
Tetrachloroethylene	0.80	5.4	<0.80	<5.4	<0.80	<5.4	<0.80	<5.4
Chlorobenzene	0.80	3.7	<0.80	<3.7	<0.80	<3.7	<0.80	<3.7
Ethylbenzene	0.80	3.5	<0.80	<3.5	<0.80	<3.5	<0.80	<3.5
m & p-Xylene	1.6	6.9	<1.6	<6.9	<1.6	<6.9	<1.6	<6.9
Bromoform	0.80	8.3	<0.80	<8.3	<0.80	<8.3	<0.80	<8.3
Styrene	0.80	3.4	<0.80	<3.4	<0.80	<3.4	<0.80	<3.4
1,1,2,2-Tetrachloroethane	0.80	5.5	<0.80	<5.5	<0.80	<5.5	<0.80	<5.5
o-Xylene	0.80	3.5	<0.80	<3.5	<0.80	<3.5	<0.80	<3.5
Nonane	0.80	4.2	<0.80	<4.2	<0.80	<4.2	<0.80	<4.2
Cumene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
2-Chlorotoluene	0.80	4.1	<0.80	<4.1	<0.80	<4.1	<0.80	<4.1

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : BLD

Approved by : JMR
Date : 04-OCT-21

Supervisor: BLD

LABORATORY ANALYSIS REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.sgsgalson.com

Client : Phase Separation Science, Inc.
Site : F.T. DAY SCHOOL
Project No. : ACPS IAQ TESTING
Date Sampled : 17-SEP-21
Date Received : 22-SEP-21

Account No.: 15354
Login No. : L547197
Date Analyzed : 30-SEP-21
Report ID : 1267378

TO15 List

Galson ID:			L547197-13		L547197-14		L547197-15	
Client ID:			FD-MEDIA CENTER		FD-420 ROOM		FD-OUTDOOR	
	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
n-Propylbenzene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
4-Ethyltoluene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
1,3,5-Trimethylbenzene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
1,2,4-Trimethylbenzene	0.80	3.9	<0.80	<3.9	<0.80	<3.9	<0.80	<3.9
Benzyl Chloride	0.80	4.1	<0.80	<4.1	<0.80	<4.1	<0.80	<4.1
1,3-Dichlorobenzene	0.80	4.8	<0.80	<4.8	<0.80	<4.8	<0.80	<4.8
1,4-Dichlorobenzene	0.80	4.8	<0.80	<4.8	<0.80	<4.8	<0.80	<4.8
1,2-Dichlorobenzene	0.80	4.8	<0.80	<4.8	<0.80	<4.8	<0.80	<4.8
Naphthalene	0.80	4.2	<0.80	<4.2	<0.80	<4.2	<0.80	<4.2

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : BLD

Supervisor: BLD
Approved by : JMR
Date : 04-OCT-21

GALSON

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.sgsgalson.com

Client Name : Phase Separation Science, Inc.
Site : F.T. DAY SCHOOL
Project No. : ACPS IAQ TESTING

Date Sampled : 17-SEP-21 Account No.: 15354
Date Received: 22-SEP-21 Login No. : L547197
Date Analyzed: 30-SEP-21

L547197 (Report ID: 1267378):
NYSDOH does not offer a certification for the following compounds:
Propylene, Ethyl Acetate, Tetrahydrofuran, Methyl n-Butyl Ketone, 4-Ethyl Toluene, n-Butane,
Pentane, Ethyl Bromide, Nonane, and n-Propylbenzene.
SOPs: in-vocs(40)

L547197-1,9,12 (Report ID: 1267378):
Sample canisters were received at/near ambient pressure.

L547197 (Report ID: 1267378):
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2). The estimated accuracy applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process. The accuracy is based solely on spike recovery data from internal quality control samples. Where N/A appears below, insufficient data is available to provide statistical accuracy and mean recovery values for the associated analyte.

Parameter	Accuracy	Mean Recovery
1,1,2,2-Tetrachloroethane	+/-14%	98.9%
1,1,2-Trichloroethane	+/-12.6%	97.6%
1,1-Dichloroethane	+/-15.4%	96.5%
1,1-Dichloroethene	+/-15.7%	98.2%
1,2,4-Trimethylbenzene	+/-15%	105%
1,2-Dibromoethane	+/-13.5%	99.8%
1,2-Dichlorobenzene	+/-12.4%	103%
1,2-Dichloroethane	+/-17.6%	98.6%
1,2-Dichloropropane	+/-14.8%	96.2%
1,3,5-Trimethylbenzene	+/-13.2%	103%
1,3-Dichlorobenzene	+/-12.6%	102%
1,4-Dichlorobenzene	+/-13.3%	102%
2,2,4-Trimethylpentane	+/-15.1%	97.9%
2-Chlorotoluene	+/-13.1%	105%
4-Ethyltoluene	+/-13.9%	104%
Acrolein	+/-21.8%	93.1%
Acrylonitrile	+/-16.9%	100%
Allyl Chloride	+/-18.7%	97.5%
Acetonitrile	+/-17.4%	100%
Acetone	+/-14.6%	97.4%
Bromodichloromethane	+/-12.9%	100%
Bromoform	+/-14.4%	103%
1,3-Butadiene	+/-16.9%	97.5%
n-Butane	+/-18.2%	95.9%
Benzene	+/-13.3%	97.3%
Benzyl Chloride	+/-15%	109%
Carbon Disulfide	+/-13.8%	96.5%

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Client Name : Phase Separation Science, Inc.
Site : F.T. DAY SCHOOL
Project No. : ACPS IAQ TESTING

Date Sampled : 17-SEP-21 Account No.: 15354
Date Received: 22-SEP-21 Login No. : L547197
Date Analyzed: 30-SEP-21

Carbon Tetrachloride	+/-15.7%	100%
cis-1,2-Dichloroethylene	+/-16%	98.6%
cis-1,3-Dichloropropene	+/-14.6%	101%
Chlorobenzene	+/-13.3%	97.5%
Dibromochloromethane	+/-13%	102%
Chloroform	+/-14.1%	97.7%
Cumene	+/-13.9%	101%
Cyclohexane	+/-15.1%	100%
1,4-Dioxane	+/-13.7%	101%
Ethyl Acetate	+/-17.9%	98.4%
Ethylbenzene	+/-14.7%	101%
Chloroethane	+/-16.7%	96.9%
Ethyl Bromide	+/-13%	97.4%
Freon-11	+/-15.5%	99.4%
Freon-113	+/-13.2%	96.7%
Freon-114	+/-14.5%	98.8%
Freon-12	+/-15.3%	99.2%
Heptane	+/-16.1%	99.1%
Isopropyl Alcohol	+/-20.8%	96.3%
1,1,1-Trichloroethane	+/-15.1%	99.2%
Bromomethane	+/-13%	97%
Chloromethane	+/-17.9%	96.3%
Methylene Chloride	+/-14.4%	93.4%
Methyl Ethyl Ketone	+/-17.7%	97.8%
Methyl Methacrylate	+/-16%	102%
Methyl Isobutyl Ketone	+/-18.2%	99.4%
Methyl Butyl Ketone	+/-18.7%	105%
m & p-Xylene	+/-14%	100%
Methyl tert-Butyl Ether	+/-15.4%	100%
Naphthalene	+/-20.2%	111%
Hexane	+/-15.6%	98.1%
Nonane	+/-16.7%	103%
n-Propylbenzene	+/-13.2%	103%
o-Xylene	+/-13.9%	101%
Propylene	+/-18.8%	96.3%
Pentane	+/-18.7%	99.1%
Styrene	+/-15.2%	104%
Trichloroethylene	+/-12.8%	98.8%
tert-Butyl Alcohol	+/-16.4%	104%
Tetrachloroethylene	+/-13.1%	98.9%
Tetrahydrofuran	+/-19%	99%
Toluene	+/-14.4%	99.6%
trans-1,2-Dichloroethene	+/-15.8%	97.6%
trans-1,3-Dichloropropene	+/-14.8%	103%
Vinyl Acetate	+/-22.4%	96.1%

SGS GALSON

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.sgsgalson.com

Client Name : Phase Separation Science, Inc.
Site : F.T. DAY SCHOOL
Project No. : ACPS IAQ TESTING

Date Sampled : 17-SEP-21 Account No.: 15354
Date Received: 22-SEP-21 Login No. : L547197
Date Analyzed: 30-SEP-21

Vinyl Bromide	+/-13.8%	97.7%
Vinyl Chloride	+/-15.6%	97.7%

1Z2313E40164686427
Date:09/22/21
Shipper:UPS
Initials:MAK
Prep:UNKNOWN

1Z2313E40166872230
Date:09/22/21
Shipper:UPS
Initials:MAK
Prep:UNKNOWN

L547197 2109 2012

N

☐ New Client?

Report To* : Phase Separation Science
6630 Baltimore National Pike
~~Baltimore, MD 21228~~

Client Account No.*:

Phone No.* : 410-747-8770
Cell No. :
Email Results to : Amber Confer
Email address: reporting@phaseonline.com

Invoice To* : Phase Separation Science
Gray cut
Phone No.: 410-747-8770
Email : invoicing@phaseonline.com
P.O. No. :
Credit Card : ☐ Card on File ☐ Call for Credit Card Info.

☑ Samples submitted using the FreePumpLoan™ Program ☐ Samples submitted using the FreeSamplingBadges™ Program

Need Results By:	(surcharge)
☑ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

Site Name : F.T. Day School
Project : ~~City of Alexandria~~ ACPS IAQ testing (ajz 9/24/21)
Sampled by : Client
Comments :

List description of industry or Process/interferences present in sampling area :

State samples were collected in (e.g., NY): VA

Please indicate which OEL this data will be used for : ☐ OSHA PEL ☐ ACGIH TLV ☐ Cal OSHA ☐ MSHA ☐ Other (specify):

Sample Identification* (Maxmium of 20 Characters)	Date Sampled	Collection Medium (all SK9/22/21 1 ltr mini can)	Sample Volume Sample Time Sample Area*	Sample Units*: L, ml,min,in2,cm2,ft2	Analysis Requested*	Method Reference^	Hexavalent Chromium Process (e.g., welding plating, painting, etc.)*
FD- Music Room	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	
FD- Physical Activity	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	
FD- Main Office	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	
FD- Class 214	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	
FD- Hall 230	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	
FD- 225	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	
FD- Hall C205	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	
FD- 317	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	
FD Hallway 319	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	
FD- Hallway 308	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	
FD- 412	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	

^Galson Laboratories will subsititute our routine/preferred method if it does not match the method listed on the COC unless this box is checked: ☑ Use method(s) listed on COC

For metals analysis: if requesting an analyte with the option of a lower LOQ, please indicate if the lower LOQ is required (only available for certain analytes - see SAG):

For crystalline silica: form(s) of silica needed must be indicated (Quartz, Cristobalite, and/or Tridymite)* :

Chain of Custody	Print Name/Signature	Date	Time		Print Name/Signature	Date	Time
Relinquished by :	Aren T Wong	9/21/21		Received by :	Michelle Krause Michelle Krause	9/22/21	1609
Relinquished by :				Received by :			

Samples received after 3pm will be considered as next day's business

* Required fields; failure to complete these fields may result in a delay in your samples being processed.

Page 1 of 2

21092012

SGS GALSON

6601 Kirkville Rd
East Syracuse, NY 13057
Tel: (315) 432-5227
888-432-LABS (5227)

www.sgsgalson.com

☐ New Client?

Client Account No.*:

Report To* : Phase Separation Science
6630 Baltimore National Pike
Baltimore, MD 21228

Phone No.* : 410-747-8770
Cell No. :
Email Results to : Amber Confer
Email address: reporting@phaseonline.com

Invoice To* : Phase Separation Science

Phone No.: 410-747-8770
Email : invoicing@phaseonline.com
P.O. No. :
Credit Card : ☐ Card on File ☐ Call for Credit Card Info.

☑ Samples submitted using the FreePumpLoan™ Program ☐ Samples submitted using the FreeSamplingBadges™ Program

Need Results By:	(surcharge)
☑ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

Site Name : F.T. Day School

Project : ~~City of Alexandria~~ ana 9/21/21

Sampled by : Client

Comments : ACPS IAQ testing

List description of industry or Process/interferences present in sampling area :

State samples were collected in (e.g., NY): VA

Please indicate which OEL this data will be used for : ☐ OSHA PEL ☐ ACGIH TLV ☐ Cal OSHA ☐ MSHA ☐ Other (specify):

Sample Identification* (Maxmium of 20 Characters)	Date Sampled	Collection Medium	Sample Volume Sample Time Sample Area*	Sample Units*: L, ml,min,in2,cm2,ft2	Analysis Requested*	Method Reference^	Hexavalent Chromium Process (e.g., welding plating, painting, etc.)*
FD- 401a	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	
FD- Media Center	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	
FD- 420 Room	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	
FD- Outdoor	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	
	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	
	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	
	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	
	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	
	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	
	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	
	09/17/21	Canister	1L	ug/m^3	VOC	TO-15 (list)	

^Galson Laboratories will subsititute our routine/preferred method if it does not match the method listed on the COC unless this box is checked: ☑ Use method(s) listed on COC

For metals analysis: if requesting an analyte with the option of a lower LOQ, please indicate if the lower LOQ is required (only available for certain analytes - see SAG):

For crystalline silica: form(s) of silica needed must be indicated (Quartz, Cristobalite, and/or Tridymite)* :

Chain of Custody	Print Name/Signature	Date	Time		Print Name/Signature	Date	Time
Relinquished by :	Amber Confer	9/21/21		Received by :			
Relinquished by :				Received by :	Michelle Krause Michelle Krause	9/22/21	1007

Samples received after 3pm will be considered as next day's business

* Reduced TAT's or failure to complete these fields may result in a delay in your samples being processed.

Page 2 of 2

(gray cart)

Chain of Custody Form for Subcontracted Analyses

Phase Separation Science, Inc
6630 Baltimore National Pike
Baltimore, MD 21228
Phone: (410) 747-8770
Fax: (410) 788-8723

W.O. No. : 21092012
Project Location : F.T. Day School
Project Number : 4920002
Report To LOD : No

Samples Transferred To:
SGS North America - NY
6601 Kirkville Road
East Syracuse, NY 13057
Old SGS Galson Labs. bsc
Phone : 315-432-5227

For Questions or issues please contact: Amber Confer

Report Due On :09/29/21 05:00

Lab Sample ID	Field Sample ID	Date Sampled	Time Sampled	Matrix	Analyses Required	Method	Type of Container	Preservative
21092012-001	FD- Music Room	09/17/21	19:56	Air	VOCs in Air by GC/MS (subbed)	TO-15	Air Canister	NON
21092012-002	FD- Physical Activity	09/17/21	19:54	Air	VOCs in Air by GC/MS (subbed)	TO-15	Air Canister	NON
21092012-003	FD- Main Office	09/17/21	19:22	Air	VOCs in Air by GC/MS (subbed)	TO-15	Air Canister	NON
21092012-004	FD- Class 214	09/17/21	19:48	Air	VOCs in Air by GC/MS (subbed)	TO-15	Air Canister	NON
21092012-005	FD- Hall 230	09/17/21	19:46	Air	VOCs in Air by GC/MS (subbed)	TO-15	Air Canister	NON
21092012-006	FD- 225	09/17/21	19:50	Air	VOCs in Air by GC/MS (subbed)	TO-15	Air Canister	NON
21092012-007	FD- Hall C205	09/17/21	19:43	Air	VOCs in Air by GC/MS (subbed)	TO-15	Air Canister	NON
21092012-008	FD- 317	09/17/21	19:37	Air	VOCs in Air by GC/MS (subbed)	TO-15	Air Canister	NON
21092012-009	FD- Hallway 319	09/17/21	19:35	Air	VOCs in Air by GC/MS (subbed)	TO-15	Air Canister	NON
21092012-010	FD- Hallway 308	09/17/21	19:40	Air	VOCs in Air by GC/MS (subbed)	TO-15	Air Canister	NON
21092012-011	FD- 412	09/17/21	19:32	Air	VOCs in Air by GC/MS (subbed)	TO-15	Air Canister	NON
21092012-012	FD- 401a	09/17/21	19:43	Air	VOCs in Air by GC/MS (subbed)	TO-15	Air Canister	NON
21092012-013	FD- Media Center	09/17/21	19:26	Air	VOCs in Air by GC/MS (subbed)	TO-15	Air Canister	NON
21092012-014	FD- 420 Room	09/17/21	19:27	Air	VOCs in Air by GC/MS (subbed)	TO-15	Air Canister	NON
21092012-015	FD- Outdoor	09/17/21	20:01	Air	VOCs in Air by GC/MS (subbed)	TO-15	Air Canister	NON

Data Deliverables Required: COA

Perform Q.C. on Sample : _____

Send Report Attn : reporting@phaseonline.com

Send InvoiceAttn : invoicing@phaseonline.com

Airbill No.: _____ Carrier : UPS

Condition Upon Receipt : _____

Comments : 2 boxes

Samples Relinquished By : [signature] Date : 9/21/21 Time: _____ Samples Received By : _____

Samples Relinquished By: _____ Date : _____ Time : _____ Samples Received By: _____

Samples Relinquished By: _____ Date: _____ Time: _____ Samples Received By: Michelle Krause Michelle Krause 9/22/21 1007

6630 Baltimore National Pike
Baltimore, MD 21228
410-747-8770
800-932-9047
www.phaseonline.com

Project Name: ACPS IAQ Testing

PSS Project No.: 21092012

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

Matrix spike and matrix spike duplicate analyses may not be performed due to insufficient sample quantity. In these instances, a laboratory control sample and laboratory control sample duplicate are analyzed unless otherwise noted or specified in the method.

Sample Receipt:

Incoming pressures not taken upon receipt. Pressures will be taken at sublab.

21092012: Analyses associated with analyst code 4051 were performed by
SGS North America - NY, 6601 Kirkville Road, East Syracuse, NY 13057 - NY 11626

NELAP accreditation was held for all analyses performed unless noted below. See www.phaseonline.com for complete PSS scope of accreditation.

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM TO-15

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

(1)
*CLIENT: Total Environmental Concepts, Inc. *OFFICE LOC.: Lorton
*PROJECT MGR: Karl Ford
EMAIL: kford@teci.pro *PHONE NO: (703) 567-4346
*PROJECT NAME: ACPS IAQ testing PROJECT NO.: 4920002
SITE LOCATION: F.T. Day School P.O. NO.:
SAMPLER(S):

PSS Work Order #: 21092012
PAGE 1 OF 2

(2)

LAB #	*SAMPLE IDENTIFICATION	*DATE START	*Time Start (24hr clock)	*DATE STOP	*Time Stop (24hr clock)	* (3) Can ID *	Sample Reg. ID *	Canister Pressure * in field ("Hg) Start	Canister Pressure * in field ("Hg) Stop	Incoming Canister Pressure ("Hg) Lab	Soil Gas / Subslab *	Indoor/Ambient Air *	TO-15 Full List	Special List	REMARKS
1	FT - Music Room	9/17/21	15:54	9/17/21	19:56	306	10136	27	0		☐	☐	☑	☐	
2	FT - Physical Activtiy	9/17/21	15:51	9/17/21	19:54	WA663	WR526	30	3		☐	☐	☑	☐	
3	FT - ~~Welcome Center~~ Main office area	9/17/21	15:49	9/17/21	19:22	1405	4332	29	2		☐	☐	☑	☐	
4	FT - Class 214	9/17/21	15:43	9/17/21	19:48	1367	11479	30+	16		☐	☐	☑	☐	
5	FT - ~~Stair~~ Hall 230	9/17/21	15:46	9/17/21	19:46	~~11479~~ 1291	11466	27	0		☐	☐	☑	☐	
6	FT - ~~Class~~ Hall 225	9/17/21	15:47	9/17/21	19:50	WA057	4342	16	16		☐	☐	☑	☐	
7	FT - C205	9/17/21	15:42	9/17/21	19:43	1404	5919	30+	10		☐	☐	☑	☐	
8	FT - ~~Class~~ 317	9/17/21	15:39	9/17/21	19:37	2329	4438	30+	8		☐	☐	☑	☐	
9	FT - Hallway ~~305c~~ 319	9/17/21	15:41	9/17/21	19:35	310	6390	30+	2		☐	☐	☑	☐	
10	FT - Halway ~~302c~~ 308	9/17/21	15:36	9/17/21	19:40	WA789	6070	29	3		☐	☐	☑	☐	

(5)

Relinquished By: (1)	Date	Time	Received By:
Channing Jackson	9/20/21	~~13:00~~ 1500	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4) *Requested TAT (One TAT per COC)
☑ 5-Day ☐ 3-Day ☐ 2-Day
☐ Next Day ☐ Emergency ☐ Other

Shipping Carrier: Client

Data Deliverables Required:

Special Instructions:

6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM TO-15

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

(1)

*CLIENT: Total Environmental Concepts, Inc. *OFFICE LOC.: Lorton

*PROJECT MGR: Karl Ford

EMAIL: kford@teci.pro *PHONE NO: (703) 567-4346

*PROJECT NAME: ACPS IAQ testing PROJECT NO.: 4920002

SITE LOCATION: F.T. Day School P.O. NO.:

SAMPLER(S):

PSS Work Order #: 21092012

PAGE 2 OF 2

(2)

LAB #	*SAMPLE IDENTIFICATION	*DATE START	*Time Start (24hr clock)	*DATE STOP	*Time Stop (24hr clock)	* (3) Can ID *	Sample Reg. ID *	Canister Pressure * in field ("Hg) Start	Canister Pressure * in field ("Hg) Stop	Incoming Canister Pressure ("Hg) Lab	Soil Gas / Subslab *	Indoor/Ambient Air *	TO-15 Full List	Special List	REMARKS
11	FT - ~~Class~~ 412	9/17/21	15:34	9/17/21	19:32	WA574	11486	30	5		☐	☐	✔	☐	
12	FT - 401a	9/17/21	15:32	9/17/21	19:43	1434	6396	0	0		☐	☐	✔	☐	
13	FT - Media Center	9/17/21	15:28	9/17/21	19:26	WA939	6818	30+	7		☐	☐	✔	☐	
14	FT - ~~Class~~ 420 Room	9/17/21	15:30	9/17/21	19:27	1503	366	20	7		☐	☐	✔	☐	
15	FT - Outdoor	9/17/21	15:57	9/17/21	20:01	1388	04592	29	3		☐	☐	✔	☐	
											☐	☐	✔	☐	
											☐	☐	✔	☐	
											☐	☐	✔	☐	
											☐	☐	✔	☐	
											☐	☐	✔	☐	

(5)

Relinquished By: (1)	Date	Time	Received By:
Channing Jackson	9/20/21	~~13:00~~ 1500	
Relinquished By: (2)	Date	Time am 9/20/21	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4) *Requested TAT (One TAT per COC)

☑ 5-Day ☐ 3-Day ☐ 2-Day
☐ Next Day ☐ Emergency ☐ Other

Shipping Carrier: Client

Data Deliverables Required:

Special Instructions:

The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary. * = REQUIRED

PHASE SEPARATION SCIENCE

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Baltimore, MD 21228
410-747-8770
800-932-9047
www.phaseonline.com

Sample Receipt Checklist

Project Name: ACPS IAQ Testing
PSS Project No.: 21092012

Client Name Total Environmental Concepts - Lortc
Disposal Date 10/25/2021

Received By Amber Confer
Date Received 09/20/2021 03:00:00 PM
Delivered By Client
Tracking No Not Applicable
Logged In By Amber Confer

Shipping Container(s)
No. of Coolers 0

Ice N/A
Custody Seal(s) Intact? N/A
Temp (deg C)
Seal(s) Signed / Dated? N/A
Temp Blank Present No

Documentation
Sampler Name Not Provided
COC agrees with sample labels? Yes
N/A
Chain of Custody Yes

Sample Container
Custody Seal(s) Intact? Not Applicable
Appropriate for Specified Analysis? Yes
Seal(s) Signed / Dated Not Applicable
Intact? Yes
Labeled and Labels Legible? Yes

Holding Time
Total No. of Samples Received 15
All Samples Received Within Holding Time(s)? Yes
Total No. of Containers Received 15

Preservation

Total Metals	(pH<2)	N/A
Dissolved Metals, filtered within 15 minutes of collection	(pH<2)	N/A
Orthophosphorus, filtered within 15 minutes of collection		N/A
Cyanides	(pH>12)	N/A
Sulfide	(pH>9)	N/A
TOC, DOC (field filtered), COD, Phenols	(pH<2)	N/A
TOX, TKN, NH3, Total Phos	(pH<2)	N/A
VOC, BTEX (VOA Vials Rcvd Preserved)	(pH<2)	N/A
Do VOA vials have zero headspace?		N/A
624 VOC (Rcvd at least one unpreserved VOA vial)		N/A
524 VOC (Rcvd with trip blanks)	(pH<2)	N/A

Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling. Samples which require thermal preservation shall be considered acceptable when received at a temperature above freezing to 6°C. Samples that are hand delivered on the day that they are collected may not meet these criteria but shall be considered acceptable if there is evidence that the chilling process has begun such as arrival on ice.

Incoming pressures not taken upon receipt. Pressures will be taken at sublab.

Samples Inspected/Checklist Completed By: Amber Confer — Date: 09/21/2021

PM Review and Approval: Amber Confer — Date: 10/04/2021

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM TO-15

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

(1)

*CLIENT: Total Environmental Concepts, Inc. *OFFICE LOC.: Lorton

*PROJECT MGR: Karl Ford

EMAIL: kford@teci.pro *PHONE NO: (703) 567-4346

*PROJECT NAME: ACPS IAQ testing PROJECT NO.: 4920002

SITE LOCATION: F.T. Day School P.O. NO.:

SAMPLER(S):

PSS Work Order #:

PAGE 1 OF 2

(2)

LAB #	*SAMPLE IDENTIFICATION	*DATE START	*Time Start (24hr clock)	*DATE STOP	*Time Stop (24hr clock)	* (3) Can ID *	Sample Reg. ID *	Canister Pressure * in field ("Hg) Start	Canister Pressure * in field ("Hg) Stop	Incoming Canister Pressure ("Hg) Lab	Soil Gas / Subslab *	Indoor/Ambient Air *	TO-15 Full List	Special List	REMARKS
	FT - Music Room	9/17/21	15:54	9/17/21	19:56	306	10136	27	0		☐	☐	☑	☐	
	FT - Physical Activtiy	9/17/21	15:51	9/17/21	19:54	WA663	WR526	30	3		☐	☐	☑	☐	
	FT - Welcome Center	9/17/21	15:49	9/17/21	19:22	1405	4332	29	2		☐	☐	☑	☐	
	FT - Class 214	9/17/21	15:43	9/17/21	19:48	1367	11479	30+	16		☐	☐	☑	☐	
	FT - Stair 230	9/17/21	15:46	9/17/21	19:46	11479	11466	27	0		☐	☐	☑	☐	
	FT - Class 225	9/17/21	15:47	9/17/21	19:50	WA057	4342	16	16		☐	☐	☑	☐	
	FT - C205	9/17/21	15:42	9/17/21	19:43	1404	5919	30+	10		☐	☐	☑	☐	
	FT - Class 317	9/17/21	15:39	9/17/21	19:37	2329	4438	30+	8		☐	☐	☑	☐	
	FT - Hallway 305c	9/17/21	15:41	9/17/21	19:35	310	6390	30+	2		☐	☐	☑	☐	
	FT - Halway 302c	9/17/21	15:36	9/17/21	19:40	WA789	6070	29	3		☐	☐	☑	☐	

(5)

Relinquished By: (1)	Date	Time	Received By:
Channing Jackson	9/20/21	13:00	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4) *Requested TAT (One TAT per COC)

☑ 5-Day ☐ 3-Day ☐ 2-Day
☐ Next Day ☐ Emergency ☐ Other

Shipping Carrier:

Data Deliverables Required:

Special Instructions:

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SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM TO-15

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

(1)

*CLIENT: Total Environmental Concepts, Inc. *OFFICE LOC.: Lorton

*PROJECT MGR: Karl Ford

EMAIL: kford@teci.pro *PHONE NO: (703) 567-4346

*PROJECT NAME: ACPS IAQ testing PROJECT NO.: 4920002

SITE LOCATION: F.T. Day School P.O. NO.:

SAMPLER(S):

PSS Work Order #:

PAGE 1 OF 2

(2)

LAB #	*SAMPLE IDENTIFICATION	*DATE START	*Time Start (24hr clock)	*DATE STOP	*Time Stop (24hr clock)	* (3) Can ID *	Sample Reg. ID *	Canister Pressure * in field ("Hg) Start	Canister Pressure * in field ("Hg) Stop	Incoming Canister Pressure ("Hg) Lab	Soil Gas / Subslab *	Indoor/Ambient Air *	TO-15 Full List	Special List	REMARKS
	FT - Music Room	9/17/21	15:54	9/17/21	19:56	306	10136	27	0		☐	☐	✔	☐	
	FT - Physical Activtiy	9/17/21	15:51	9/17/21	19:54	WA663	WR526	30	3		☐	☐	✔	☐	
	FT - Welcome Center	9/17/21	15:49	9/17/21	19:22	1405	4332	29	2		☐	☐	✔	☐	
	FT - Class 214	9/17/21	15:43	9/17/21	19:48	1367	11479	30+	16		☐	☐	✔	☐	
	FT - Stair 230	9/17/21	15:46	9/17/21	19:46	11479	11466	27	0		☐	☐	✔	☐	
	FT - Class 225	9/17/21	15:47	9/17/21	19:50	WA057	4342	16	16		☐	☐	✔	☐	
	FT - C205	9/17/21	15:42	9/17/21	19:43	1404	5919	30+	10		☐	☐	✔	☐	
	FT - Class 317	9/17/21	15:39	9/17/21	19:37	2329	4438	30+	8		☐	☐	✔	☐	
	FT - Hallway 305c	9/17/21	15:41	9/17/21	19:35	310	6390	30+	2		☐	☐	✔	☐	
	FT - Halway 302c	9/17/21	15:36	9/17/21	19:40	WA789	6070	29	3		☐	☐	✔	☐	

(5)

Relinquished By: (1)	Date	Time	Received By:
Channing Jackson	9/20/21	13:00	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4) *Requested TAT (One TAT per COC)

☑ 5-Day ☐ 3-Day ☐ 2-Day
☐ Next Day ☐ Emergency ☐ Other

Shipping Carrier:

Data Deliverables Required:

Special Instructions:

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Appendix D: Formaldehyde Analytical Results

PHASE SEPARATION SCIENCE

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Certificate of Analysis

Project Name: ACPS IAQ Testing
PSS Project No.: 21092014

September 29, 2021

Karl Ford
Total Environmental Concepts - Lorton
8382 Terminal Road, Suite B
Lorton, VA 22079

Reference: PSS Project No: **21092014**
Project Name: ACPS IAQ Testing
Project Location: F.T. Day School
Project ID.: 4920002

Dear Karl Ford:

This report includes the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Project number(s) **21092014**.

All work reported herein has been performed in accordance with current NELAP standards, referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual unless otherwise noted in the Case Narrative Summary. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on October 25, 2021, with the exception of air canisters which are cleaned immediately following analysis. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt, the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 5 years, after which time it will be disposed of without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

Sincerely,

Dan Prucnal
Laboratory Manager

PHASE SEPARATION SCIENCE

6630 Baltimore National Pike
Baltimore, MD 21228
410-747-8770
800-932-9047
www.phaseonline.com

Explanation of Qualifiers

Project Name: ACPS IAQ Testing

PSS Project No.: 21092014

Project ID: 4920002

The following samples were received under chain of custody by Phase Separation Science (PSS) on 09/20/2021 at 03:00 pm

PSS Sample ID	Sample ID	Matrix	Date/Time Collected
21092014-001	FT- Multi-Purpose	AIR	09/16/21 00:00
21092014-002	FT- Music Room	AIR	09/16/21 00:00
21092014-003	FT- Physical Activity	AIR	09/16/21 00:00
21092014-004	FT- Welcome Center	AIR	09/16/21 00:00
21092014-005	FT- Class 214	AIR	09/16/21 00:00
21092014-006	FT- Stair 230	AIR	09/16/21 00:00
21092014-007	FT- Stair 225	AIR	09/16/21 00:00
21092014-008	FT- C205c	AIR	09/16/21 00:00
21092014-009	FT- Class 317	AIR	09/16/21 00:00
21092014-010	FT- Hall 305c	AIR	09/16/21 00:00
21092014-011	FT- Hall 302c	AIR	09/16/21 00:00
21092014-012	FT- Class 412	AIR	09/16/21 00:00
21092014-013	FT- 401a	AIR	09/16/21 00:00
21092014-014	FT- Media Center	AIR	09/16/21 00:00
21092014-015	FT- Class 420	AIR	09/16/21 00:00

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in Case Narrative Summary.

Notes:

1. The presence of a common laboratory contaminant such as methylene chloride may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. Unless otherwise noted in the case narrative, results are reported on a dry weight basis with the exception of pH, flashpoint, moisture, and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].
4. The analyses of 1,2-dibromo-3-chloropropane (DBCP) and 1,2-dibromoethane (EDB) by EPA 524.2 and calcium, magnesium, sodium and iron by EPA 200.8 are not currently promulgated for use in testing to meet the Safe Drinking Water Act and as such cannot be used for compliance purposes. The listings of the current promulgated methods for testing in compliance with the Safe Drinking Water Act can be found in the 40 CFR part 141.1, for the primary drinking water contaminates, and part 141.3, for the secondary drinking water contaminates.
5. Sample prepared under EPA 3550C with concentrations greater than 20 mg/Kg should employ the microtip extraction procedure if required to meet data quality objectives.
6. The analysis of acrolein by EPA 624 must be analyzed within three days of sampling unless pH is adjusted to 4-5 units [40 CFR part 136.3(e)].
7. Method 180.1, The Determination of Turbidity by Nephelometry, recommends samples over 40 NTU be diluted until the turbidity falls below 40 units. Routine samples over 40 NTU may not be diluted as long as the data quality objectives are not affected.
8. Alkalinity results analyzed by EPA 310.2 that are reported by dilution are estimated and are not in compliance with method requirements.

PHASE SEPARATION SCIENCE

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Baltimore, MD 21228
410-747-8770
800-932-9047
www.phaseonline.com

Explanation of Qualifiers

Project Name: ACPS IAQ Testing

PSS Project No.: 21092014

Standard Flags/Abbreviations:

B	A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
C	Results Pending Final Confirmation.
E	The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
Fail	The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
J	The target analyte was positively identified below the reporting limit but greater than the MDL.
MDL	This is the Laboratory Method Detection Limit which is equivalent to the Limit of Detection (LOD). The LOD is an estimate of the minimum amount of a substance that an analytical process can reliably detect. This value will remain constant across multiple similar instrumentation and among different analysts. An LOD is analyte and matrix specific.
ND	Not Detected at or above the reporting limit.
RL	PSS Reporting Limit.
U	Not detected.

Certifications:

NELAP Certifications: PA 68-03330, VA 460156
State Certifications: MD 179, WV 303
Regulated Soil Permit: P330-12-00268
NSWC USCG Accepted Laboratory
LDBE MWAA LD1997-0041-2015

SGS GALSON

Ms. Amber Confer
Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228

September 27, 2021

Account# 15354

Login# L547199

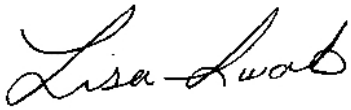
Dear Amber Confer:

Enclosed are the analytical results for the samples received by our laboratory on September 22, 2021. All samples on the chain of custody were received in good condition unless otherwise noted. Any additional observations will be noted on the chain of custody.

Please contact client services at (888) 432-5227 if you would like any additional information regarding this report. Thank you for using SGS Galson.

Sincerely,

SGS Galson



Lisa Swab
Laboratory Director

Enclosure(s)

Terms and Conditions & General Disclaimers

- This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.
- Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Analytical Disclaimers

- Unless otherwise noted within the report, all quality control results associated with the samples were within established control limits or did not impact reported results.
- Note: The findings recorded within this report were drawn from analysis of the sample(s) provided to the laboratory by the Client (or a third party acting at the Client's direction). The laboratory does not have control over the sampling process, including but not limited to the use of field equipment and collection media, as well as the sampling duration, collection volume or any other collection parameter used by the Client. The findings herein constitute no warranty of the sample's representativeness of any sampled environment, and strictly relate to the samples as they were presented to the laboratory. For recommended sampling collection parameters, please refer to the Sampling and Analysis Guide at www.sgsgalson.com.
- Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceding the final result column may have been rounded and therefore, if carried through the calculations, may not yield an identical final result to the one reported.
- The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).
- Unless otherwise noted within the report, results have not been blank corrected for any field blank or method blank data.

Accreditations SGS Galson holds a variety of accreditations and recognitions. Our quality management system conforms with the requirements of ISO/IEC 17025. Where applicable, samples may also be analyzed in accordance with the requirements of ELAP, NELAC, or LELAP under one of the state accrediting bodies listed below. Current Scopes of Accreditation can be viewed at http://www.sgsgalson.com in the accreditations section of the "About" page. To determine if the analyte tested falls under our scope of accreditation, please visit our website or call Client Services at (888) 432-5227.

National/International	Accreditation/Recognition	Lab ID#	Program/Sector
AIHA-LAP, LLC - IHLAP, ELLAP, EMLAP	ISO/IEC 17025 and USEPA NLLAP	Lab ID 100324	Industrial Hygiene, Environmental Lead, Environmental Microbiology

State	Accreditation/Recognition	Lab ID#	Program/Sector
New York (NYSDOH)	ELAP and NELAC (TNI)	Lab ID: 11626	Air Analysis, Solid and Hazardous Waste
New Jersey (NJDEP)	NELAC (TNI)	Lab ID: NY024	Air Analysis
Louisiana (LDEQ)	LELAP	Lab ID: 04083	Air Analysis, Solid Chemical Materials
Texas	Texas Dept. of Licensing and Regulation	Lab ID: 1042	Mold Analysis Laboratory license

Legend

< - Less than	mg - Milligrams	MDL - Method Detection Limit	ppb - Parts per Billion
> - Greater than	ug - Micrograms	NA - Not Applicable	ppm - Parts per Million
l - Liters	m3 - Cubic Meters	NS - Not Specified	ppbv - ppb Volume
LOQ - Limit of Quantitation	kg - Kilograms	ND - Not Detected	ppmv - ppm Volume
ft2 - Square Feet	cm2 - Square Centimeters	in2 - Square Inches	ng - Nanograms

SGS GALSON

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.sgsgalson.com

LABORATORY ANALYSIS REPORT

Client : Phase Separation Science, Inc. Account No.: 15354
Site : FT DAY SCHOOL Login No. : L547199
Project No. : ACPS IAQ TESTING - 4920002
Date Sampled : 16-SEP-21 Date Analyzed : 23-SEP-21
Date Received : 22-SEP-21 Report ID : 1266398

Formaldehyde

Sample ID	Lab ID	Time minutes	Total ug	Conc mg/m3	ppm
FT - MULTI-PURPOSE	L547199-1	241	<0.4	<0.01	<0.01
FT - MUSIC ROOM	L547199-2	239	<0.4	<0.01	<0.01
FT - PHYSICAL ACTVTY	L547199-3	237	<0.4	<0.01	<0.01
FT - WELCOME CENTER	L547199-4	240	<0.4	<0.01	<0.01
FT -CLASS 214	L547199-5	229	<0.4	<0.01	<0.01
FT -STAIR 230	L547199-6	229	<0.4	<0.01	<0.01
FT - CLASS 225	L547199-7	224	<0.4	<0.02	<0.01
FT - C205C	L547199-8	227	<0.4	<0.01	<0.01
FT -CLASS 317	L547199-9	241	<0.4	<0.01	<0.01
FT - HALL 305C	L547199-10	239	<0.4	<0.01	<0.01
FT - HALL 302C	L547199-11	240	<0.4	<0.01	<0.01
FT - CLASS 412	L547199-12	243	<0.4	<0.01	<0.01
FT - 401A	L547199-13	239	<0.4	<0.01	<0.01
FT -MEDIA CENTER	L547199-14	240	<0.4	<0.01	<0.01
FT - CLASS 420	L547199-15	240	<0.4	<0.01	<0.01

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of Quantitation: 0.4 ug
Analytical Method : mod. OSHA 1007; HPLC/UV
Collection Media : Assay 581

Submitted by: JLL
Date : 27-SEP-21
Supervisor : MWJ

Approved by: MLN

GALSON

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.sgsgalson.com

Client Name : Phase Separation Science, Inc.
Site : FT DAY SCHOOL
Project No. : ACPS IAQ TESTING - 4920002

Date Sampled : 16-SEP-21 Account No.: 15354
Date Received: 22-SEP-21 Login No. : L547199
Date Analyzed: 23-SEP-21

L547199 (Report ID: 1266398):
Total ug corrected for a desorption efficiency of 96%.
FORMALDEHYDE results have been corrected for the average background found on the media:
0.1178 ug for lot #4B21 (samples 1-15).
SOPs: LC-SOP-4(23)

L547199 (Report ID: 1266398):
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2). The estimated accuracy applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process. The accuracy is based solely on spike recovery data from internal quality control samples. Where N/A appears below, insufficient data is available to provide statistical accuracy and mean recovery values for the associated analyte.

Parameter	Accuracy	Mean Recovery
Formaldehyde	+/-12.1%	95.3%

L547199 21092014

SGS GALSON

1Z2313E40164686427
Date: 09/22/21
Shipper: UPS
Initials: MAK
Prep: UNKNOWN

☐ New Client?

Report To*: Phase Separation Science
6630 Baltimore National Pike
Baltimore, MD 21228

Client Account No.*:

Phone No.*: 410-747-8770
Cell No.:
Email Results to: Amber Confer
Email address: reporting@phaseonline.com

Invoice To*: Phase Separation Science

Phone No.: 410-747-8770
Email: invoicing@phaseonline.com
P.O. No.: ODC 4920002-001
Credit Card: ☐ Card on File ☐ Call for Credit Card Info.

8 9

☑ Samples submitted using the FreePumpLoan™ Program ☐ Samples submitted using the FreeSamplingBadges™ Program

DPL

Need Results By:	(surcharge)
☑ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

Site Name: FT Day School Project: ACPS IAQ testing - 4920002 Sampled by: Karl Ford

Comments:
Dosimeter cartrige # noted in the (Hexavelent Chromium Process) colum

List description of industry or Process/interferences present in sampling area:
Public grade school building

State samples were collected in (e.g., NY)
VA

Please indicate which OEL this data will be used for:
☑ OSHA PEL ☐ ACGIH TLV ☐ Cal OSHA ☐ MSHA ☐ Other (specify):

Sample Identification* (Maxmium of 20 Characters)	Date Sampled	Collection Medium	Sample Volume Sample Time Sample Area*	Sample Units*: L, ml,min,in2,cm2,ft2	Analysis Requested*	Method Reference^	Hexavalent Chromium Process (e.g., welding plating, painting, etc.)*
FT - Multi-Purpose	09/16/21	Assay N581 Aldehyde Badge	241	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4715
FT - Music Room	09/16/21	Assay N581 Aldehyde Badge	239	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4824
FT - Physical Activity	09/16/21	Assay N581 Aldehyde Badge	237	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4867
FT - Welcome Center	09/16/21	Assay N581 Aldehyde Badge	240	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4014
FT - Class 214	09/16/21	Assay N581 Aldehyde Badge	229	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5042
FT - Stair 230	09/16/21	Assay N581 Aldehyde Badge	229	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5489
FT - Class 225	09/16/21	Assay N581 Aldehyde Badge	224	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5570
FT - C205C	09/16/21	Assay N581 Aldehyde Badge	227	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5599
FT - Class 317	09/16/21	Assay N581 Aldehyde Badge	241	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4668
FT - Hall 305c	09/16/21	Assay N581 Aldehyde Badge	239	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4602
FT - Hall 302c	09/16/21	Assay N581 Aldehyde Badge	240	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4607

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For crystalline silica: form(s) of silica needed must be indicated (Quartz, Cristobalite, and/or Tridymite)*:

Chain of Custody	Print Name/Signature	Date	Time		Print Name/Signature	Date	Time
Relinquished by:	Channing Jackson	09/17/21	14:00	Received by:		9/20/21	1500
Relinquished by:		9/21/21		Received by:	Michelle Krause	9/22/21	1007

Samples received after 3pm will be considered as next day's business
* Required fields, failure to complete these fields may result in a delay in your samples being processed.

Page 1 of 2

2109 2014

SGS GALSON

6601 Kirkville Rd
East Syracuse, NY 13057
Tel: (315) 432-5227
888-432-LABS (5227)

www.sgsgalson.com

☐ New Client? Client Account No.*:

Report To* : Phase Separation Science
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Baltimore, MD 21228

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P.O. No. : ODC 4920002-001
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☑ Samples submitted using the FreePumpLoan™ Program ☐ Samples submitted using the FreeSamplingBadges™ Program

Need Results By:	(surcharge)
☑ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

Site Name : FT Day School Project : ACPS IAQ testing - 4920002 Sampled by : Karl Ford

Comments :
Dosimeter cartrige # noted in the (Hexavelent Chromium Process) colum

List description of industry or Process/interferences present in sampling area :
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State samples were collected in (e.g., NY)
VA

Please indicate which OEL this data will be used for :
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FT - 401a	09/16/21	Assay N581 Aldehyde Badge	239	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4762
FT - Media Center	09/16/21	Assay N581 Aldehyde Badge	240	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4899
FT - Class 420	09/16/21	Assay N581 Aldehyde Badge	240	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4871

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For crystalline silica: form(s) of silica needed must be indicated (Quartz, Cristobalite, and/or Tridymite)* :

Chain of Custody	Print Name/Signature	Date	Time		Print Name/Signature	Date	Time
Relinquished by :	Channing Jackson	09/17/21	14:00	Received by :	[signature]	9/20/21	1500
Relinquished by :	[signature]	9/21/21		Received by :	Michelle Krause [signature]	9/22/21	1007

Samples received after 3pm will be considered as next day's business
* Required fields, failure to complete these fields may result in a delay in your samples being processed.

Page 2 of 2

Chain of Custody Form for Subcontracted Analyses

8

Phase Separation Science, Inc
6630 Baltimore National Pike
Baltimore, MD 21228
Phone: (410) 747-8770
Fax: (410) 788-8723

For Questions or issues please contact: Amber Confer

W.O. No. : **21092014**
Project Location : F.T. Day School
Project Number : 4920002
Report To LOD : No

Report Due On :09/29/21 05:00

Samples Transferred To:
SGS North America - NY
6601 Kirkville Road
East Syracuse, NY 13057

Old SGS Galson Labs. bsc
Phone : 315-432-5227

Lab Sample ID	Field Sample ID	Date Sampled	Time Sampled	Matrix	Analyses Required	Method	Type of Container	Preservative
21092014-001	FT- Multi-Purpose	09/16/21	00:00	Air	Formaldehyde (mod. OSHA 1007; HPLC/UV)	VARIOUS	NONSC	NON
21092014-002	FT- Music Room	09/16/21	00:00	Air	Formaldehyde (mod. OSHA 1007; HPLC/UV)	VARIOUS	NONSC	NON
21092014-003	FT- Physical Activity	09/16/21	00:00	Air	Formaldehyde (mod. OSHA 1007; HPLC/UV)	VARIOUS	NONSC	NON
21092014-004	FT- Welcome Center	09/16/21	00:00	Air	Formaldehyde (mod. OSHA 1007; HPLC/UV)	VARIOUS	NONSC	NON
21092014-005	FT- Class 214	09/16/21	00:00	Air	Formaldehyde (mod. OSHA 1007; HPLC/UV)	VARIOUS	NONSC	NON
21092014-006	FT- Stair 230	09/16/21	00:00	Air	Formaldehyde (mod. OSHA 1007; HPLC/UV)	VARIOUS	NONSC	NON
21092014-007	FT- Stair 225	09/16/21	00:00	Air	Formaldehyde (mod. OSHA 1007; HPLC/UV)	VARIOUS	NONSC	NON
21092014-008	FT- C205c	09/16/21	00:00	Air	Formaldehyde (mod. OSHA 1007; HPLC/UV)	VARIOUS	NONSC	NON
21092014-009	FT- Class 317	09/16/21	00:00	Air	Formaldehyde (mod. OSHA 1007; HPLC/UV)	VARIOUS	NONSC	NON
21092014-010	FT- Hall 305c	09/16/21	00:00	Air	Formaldehyde (mod. OSHA 1007; HPLC/UV)	VARIOUS	NONSC	NON
21092014-011	FT- Hall 302c	09/16/21	00:00	Air	Formaldehyde (mod. OSHA 1007; HPLC/UV)	VARIOUS	NONSC	NON
21092014-012	FT- Class 412	09/16/21	00:00	Air	Formaldehyde (mod. OSHA 1007; HPLC/UV)	VARIOUS	NONSC	NON
21092014-013	FT- 401a	09/16/21	00:00	Air	Formaldehyde (mod. OSHA 1007; HPLC/UV)	VARIOUS	NONSC	NON
21092014-014	FT- Media Center	09/16/21	00:00	Air	Formaldehyde (mod. OSHA 1007; HPLC/UV)	VARIOUS	NONSC	NON
21092014-015	FT- Class 420	09/16/21	00:00	Air	Formaldehyde (mod. OSHA 1007; HPLC/UV)	VARIOUS	NONSC	NON

Data Deliverables Required: COA

Perform Q.C. on Sample : _____

Send Report Attn : reporting@phaseonline.com

Send InvoiceAttn : invoicing@phaseonline.com

Airbill No.: _____ Carrier : UPS

Condition Upon Receipt : _____

Comments :

Samples Relinquished By : [signature] Date : 9/21/21 Time: _____ Samples Received By : _____

Samples Relinquished By: _____ Date : _____ Time : _____ Samples Received By: _____

Samples Relinquished By: _____ Date: _____ Time: _____ Samples Received By: Michelle Krause 9/22/21 1007

6630 Baltimore National Pike
Baltimore, MD 21228
410-747-8770
800-932-9047
www.phaseonline.com

Project Name: ACPS IAQ Testing

PSS Project No.: 21092014

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

Matrix spike and matrix spike duplicate analyses may not be performed due to insufficient sample quantity. In these instances, a laboratory control sample and laboratory control sample duplicate are analyzed unless otherwise noted or specified in the method.

Sample Receipt:

All sample receipt conditions were acceptable.

21092014: Analyses associated with analyst code 4051 were performed by
SGS North America - NY, 6601 Kirkville Road, East Syracuse, NY 13057 - NY 11626

NELAP accreditation was held for all analyses performed unless noted below. See www.phaseonline.com for complete PSS scope of accreditation.

21092014

SGS GALSON

6601 Kirkville Rd
East Syracuse, NY 13057
Tel: (315) 432-5227
888-432-LABS (5227)

www.sgsgalson.com

☐ New Client?

Client Account No.*:

Report To* : Phase Separation Science
6630 Baltimore National Pike
Baltimore, MD 21228

Phone No.* : 410-747-8770
Cell No. :
Email Results to : Amber Confer
Email address: reporting@phaseonline.com

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P.O. No. : ODC 4920002-001
Credit Card : ☐ Card on File ☐ Call for Credit Card Info.

☑ Samples submitted using the FreePumpLoan™ Program ☐ Samples submitted using the FreeSamplingBadges™ Program

Need Results By:	(surcharge)
☑ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

Site Name : FT Day School Project : ACPS IAQ testing - 4920002 Sampled by : Karl Ford

Comments :
Dosimeter cartrige # noted in the (Hexavelent Chromium Process) colum

List description of industry or Process/interferences present in sampling area :
Public grade school building

State samples were collected in (e.g., NY)
VA

Please indicate which OEL this data will be used for :
☑ OSHA PEL ☐ ACGIH TLV ☐ Cal OSHA ☐ MSHA ☐ Other (specify):

Sample Identification* (Maxmium of 20 Characters)	Date Sampled	Collection Medium	Sample Volume Sample Time Sample Area*	Sample Units*: L, ml,min,in2,cm2,ft2	Analysis Requested*	Method Reference^	Hexavalent Chromium Process (e.g., welding plating, painting, etc.)*
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FT - Physical Activity	09/16/21	Assay N581 Aldehyde Badge	237	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4867
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FT - Class 214	09/16/21	Assay N581 Aldehyde Badge	229	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5042
FT - Stair 230	09/16/21	Assay N581 Aldehyde Badge	229	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5489
FT - Class 225	09/16/21	Assay N581 Aldehyde Badge	224	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5570
FT - C205C	09/16/21	Assay N581 Aldehyde Badge	227	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5599
FT - Class 317	09/16/21	Assay N581 Aldehyde Badge	241	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4668
FT - Hall 305c	09/16/21	Assay N581 Aldehyde Badge	239	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4602
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Chain of Custody	Print Name/Signature	Date	Time		Print Name/Signature	Date	Time
Relinquished by :	Channing Jackson	09/17/21	14:00	Received by :	[signature]	9/20/21	1500
Relinquished by :	[signature]	9/21/21		Received by :			

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2109 2014

SGS GALSON

6601 Kirkville Rd
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Tel: (315) 432-5227
888-432-LABS (5227)

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P.O. No. : ODC 4920002-001
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☑ Samples submitted using the FreePumpLoan™ Program ☐ Samples submitted using the FreeSamplingBadges™ Program

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☑ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
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Site Name : FT Day School Project : ACPS IAQ testing - 4920002 Sampled by : Karl Ford

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Relinquished by :	[signature]	9/21/21		Received by :			

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Page 2 of 2

PHASE SEPARATION SCIENCE

6630 Baltimore National Pike
Baltimore, MD 21228
410-747-8770
800-932-9047
www.phaseonline.com

Sample Receipt Checklist

Project Name: ACPS IAQ Testing
PSS Project No.: 21092014

Client Name	Total Environmental Concepts - Lortc	**Received By**	Amber Confer
Disposal Date	10/25/2021	**Date Received**	09/20/2021 03:00:00 PM
		Delivered By	Client
		Tracking No	Not Applicable
		Logged In By	Amber Confer

Shipping Container(s)

No. of Coolers 0

		Ice	N/A
Custody Seal(s) Intact?	N/A	Temp (deg C)	
Seal(s) Signed / Dated?	N/A	Temp Blank Present	No
		Sampler Name	Karl Ford
Documentation		MD DW Cert. No.	N/A
COC agrees with sample labels?	Yes		
Chain of Custody	Yes		
Sample Container		Custody Seal(s) Intact?	Not Applicable
Appropriate for Specified Analysis?	Yes	Seal(s) Signed / Dated	Not Applicable
Intact?	Yes		
Labeled and Labels Legible?	Yes		
Holding Time		Total No. of Samples Received	15
All Samples Received Within Holding Time(s)?	Yes	Total No. of Containers Received	15

Preservation

Total Metals	(pH<2)	N/A
Dissolved Metals, filtered within 15 minutes of collection	(pH<2)	N/A
Orthophosphorus, filtered within 15 minutes of collection		N/A
Cyanides	(pH>12)	N/A
Sulfide	(pH>9)	N/A
TOC, DOC (field filtered), COD, Phenols	(pH<2)	N/A
TOX, TKN, NH3, Total Phos	(pH<2)	N/A
VOC, BTEX (VOA Vials Rcvd Preserved)	(pH<2)	N/A
Do VOA vials have zero headspace?		N/A
624 VOC (Rcvd at least one unpreserved VOA vial)		N/A
524 VOC (Rcvd with trip blanks)	(pH<2)	N/A

Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling. Samples which require thermal preservation shall be considered acceptable when received at a temperature above freezing to 6°C. Samples that are hand delivered on the day that they are collected may not meet these criteria but shall be considered acceptable if there is evidence that the chilling process has begun such as arrival on ice.

Samples Inspected/Checklist Completed By: Amber F Confer — Date: 09/21/2021
Amber Confer

PM Review and Approval: N L Jackson — Date: 09/21/2021
Lynn Jackson

SGS GALSON

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East Syracuse, NY 13057
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888-432-LABS (5227)

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Site Name : FT Day School Project : ACPS IAQ testing - 4920002 Sampled by : Karl Ford

Comments :
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FT - Physical Activity	09/16/21	Assay N581 Aldehyde Badge	237	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4867
FT - Welcome Center	09/16/21	Assay N581 Aldehyde Badge	240	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4014
FT - Class 214	09/16/21	Assay N581 Aldehyde Badge	229	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5042
FT - Stair 230	09/16/21	Assay N581 Aldehyde Badge	229	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5489
FT - Class 225	09/16/21	Assay N581 Aldehyde Badge	224	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5570
FT - C205	09/16/21	Assay N581 Aldehyde Badge	227	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5599
FT - Class 317	09/16/21	Assay N581 Aldehyde Badge	241	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4668
FT - Hall 305c	09/16/21	Assay N581 Aldehyde Badge	239	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4602
FT - Hall 302c	09/16/21	Assay N581 Aldehyde Badge	240	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4607

^Galson Laboratories will subsitute our routine/preferred method if it does not match the method listed on the COC unless this box is checked: ☑ Use method(s) listed on COC

For metals analysis: if requesting an analyte with the option of a lower LOQ, please indicate if the lower LOQ is required (only available for certain analytes - see SAG):

For crystalline silica: form(s) of silica needed must be indicated (Quartz, Cristobalite, and/or Tridymite)* :

Chain of Custody	Print Name/Signature	Date	Time		Print Name/Signature	Date	Time
Relinquished by :	Channing Jackson	09/17/21	14:00	Received by :			
Relinquished by :				Received by :			

Samples received after 3pm will be considered as next day's business
* Required fields, failure to complete these fields may result in a delay in your samples being processed.

SGS GALSON

6601 Kirkville Rd
East Syracuse, NY 13057
Tel: (315) 432-5227
888-432-LABS (5227)

www.sgsgalson.com

☐ New Client?

Client Account No.*:

Report To* : Phase Separation Science
6630 Baltimore National Pike
Baltimore, MD 21228

Phone No.* : 410-747-8770
Cell No. :
Email Results to : Amber Confer
Email address: reporting@phaseonline.com

Invoice To* : Phase Separation Science

Phone No.: 410-747-8770
Email : invoicing@phaseonline.com
P.O. No. : ODC 4920002-001
Credit Card : ☐ Card on File ☐ Call for Credit Card Info.

☑ Samples submitted using the FreePumpLoan™ Program ☐ Samples submitted using the FreeSamplingBadges™ Program

Need Results By:	(surcharge)
☐ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

Site Name : FT Day School Project : ACPS IAQ testing - 4920002 Sampled by : Karl Ford

Comments :
Dosimeter cartrige # noted in the (Hexavelent Chromium Process) colum

List description of industry or Process/interferences present in sampling area :
Public grade school building

State samples were collected in (e.g., NY)
VA

Please indicate which OEL this data will be used for :
☑ OSHA PEL ☐ ACGIH TLV ☐ Cal OSHA
☐ MSHA ☐ Other (specify):

Sample Identification* (Maxmium of 20 Characters)	Date Sampled	Collection Medium	Sample Volume Sample Time Sample Area*	Sample Units*: L, ml,min,in2,cm2,ft2	Analysis Requested*	Method Reference^	Hexavalent Chromium Process (e.g., welding plating, painting, etc.)*
FT - Multi-Purpose	09/16/21	Assay N581 Aldehyde Badge	241	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4715
FT - Music Room	09/16/21	Assay N581 Aldehyde Badge	239	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4824
FT - Physical Activity	09/16/21	Assay N581 Aldehyde Badge	237	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4867
FT - Welcome Center	09/16/21	Assay N581 Aldehyde Badge	240	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4014
FT - Class 214	09/16/21	Assay N581 Aldehyde Badge	229	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5042
FT - Stair 230	09/16/21	Assay N581 Aldehyde Badge	229	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5489
FT - Class 225	09/16/21	Assay N581 Aldehyde Badge	224	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5570
FT - C205	09/16/21	Assay N581 Aldehyde Badge	227	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5599
FT - Class 317	09/16/21	Assay N581 Aldehyde Badge	241	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4668
FT - Hall 305c	09/16/21	Assay N581 Aldehyde Badge	239	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4602
FT - Hall 302c	09/16/21	Assay N581 Aldehyde Badge	240	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4607

^Galson Laboratories will subsitute our routine/preferred method if it does not match the method listed on the COC unless this box is checked: ☑ Use method(s) listed on COC

For metals analysis: if requesting an analyte with the option of a lower LOQ, please indicate if the lower LOQ is required (only available for certain analytes - see SAG):

For crystalline silica: form(s) of silica needed must be indicated (Quartz, Cristobalite, and/or Tridymite)* :

Chain of Custody	Print Name/Signature	Date	Time		Print Name/Signature	Date	Time
Relinquished by :	Channing Jackson	09/17/21	14:00	Received by :			
Relinquished by :				Received by :			

Samples received after 3pm will be considered as next day's business
* Required fields, failure to complete these fields may result in a delay in your samples being processed.

Appendix E: 4-PCH Analytical Results

PHASE SEPARATION SCIENCE

6630 Baltimore National Pike
Baltimore, MD 21228
410-747-8770
800-932-9047
www.phaseonline.com

Certificate of Analysis

Project Name: ACPS IAQ Testing
PSS Project No.: 21092013

September 29, 2021

Karl Ford
Total Environmental Concepts - Lorton
8382 Terminal Road, Suite B
Lorton, VA 22079

Reference: PSS Project No: **21092013**
Project Name: ACPS IAQ Testing
Project Location: F.T. Day School
Project ID.: 4920002

Dear Karl Ford:

This report includes the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Project number(s) **21092013**.

All work reported herein has been performed in accordance with current NELAP standards, referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual unless otherwise noted in the Case Narrative Summary. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on October 25, 2021, with the exception of air canisters which are cleaned immediately following analysis. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt, the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 5 years, after which time it will be disposed of without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

Sincerely,

Dan Prucnal
Laboratory Manager

PHASE SEPARATION SCIENCE

6630 Baltimore National Pike
Baltimore, MD 21228
410-747-8770
800-932-9047
www.phaseonline.com

Explanation of Qualifiers

Project Name: ACPS IAQ Testing

PSS Project No.: 21092013

Project ID: 4920002

The following samples were received under chain of custody by Phase Separation Science (PSS) on 09/20/2021 at 03:00 pm

PSS Sample ID	Sample ID	Matrix	Date/Time Collected
21092013-001	FT- Multi-Purpose	AIR	09/16/21 00:00
21092013-002	FT- Music Room	AIR	09/16/21 00:00
21092013-003	FT- Physical Activity	AIR	09/16/21 00:00
21092013-004	FT- Welcome Center	AIR	09/16/21 00:00
21092013-005	FT- Class 214	AIR	09/16/21 00:00
21092013-006	FT- Stair 230	AIR	09/16/21 00:00
21092013-007	FT- Class 225	AIR	09/16/21 00:00
21092013-008	FT- C205	AIR	09/16/21 00:00
21092013-009	FT- Class 317	AIR	09/16/21 00:00
21092013-010	FT- Hallway 305c	AIR	09/16/21 00:00
21092013-011	FT- Hallway 302c	AIR	09/16/21 00:00
21092013-012	FT- Class 412	AIR	09/16/21 00:00
21092013-013	FT- 401a	AIR	09/16/21 00:00
21092013-014	FT- Media Center	AIR	09/16/21 00:00
21092013-015	FT- Class 420	AIR	09/16/21 00:00

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in Case Narrative Summary.

Notes:

1. The presence of a common laboratory contaminant such as methylene chloride may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. Unless otherwise noted in the case narrative, results are reported on a dry weight basis with the exception of pH, flashpoint, moisture, and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].
4. The analyses of 1,2-dibromo-3-chloropropane (DBCP) and 1,2-dibromoethane (EDB) by EPA 524.2 and calcium, magnesium, sodium and iron by EPA 200.8 are not currently promulgated for use in testing to meet the Safe Drinking Water Act and as such cannot be used for compliance purposes. The listings of the current promulgated methods for testing in compliance with the Safe Drinking Water Act can be found in the 40 CFR part 141.1, for the primary drinking water contaminates, and part 141.3, for the secondary drinking water contaminates.
5. Sample prepared under EPA 3550C with concentrations greater than 20 mg/Kg should employ the microtip extraction procedure if required to meet data quality objectives.
6. The analysis of acrolein by EPA 624 must be analyzed within three days of sampling unless pH is adjusted to 4-5 units [40 CFR part 136.3(e)].
7. Method 180.1, The Determination of Turbidity by Nephelometry, recommends samples over 40 NTU be diluted until the turbidity falls below 40 units. Routine samples over 40 NTU may not be diluted as long as the data quality objectives are not affected.
8. Alkalinity results analyzed by EPA 310.2 that are reported by dilution are estimated and are not in compliance with method requirements.

PHASE SEPARATION SCIENCE

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800-932-9047
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Explanation of Qualifiers

Project Name: ACPS IAQ Testing

PSS Project No.: 21092013

Standard Flags/Abbreviations:

B	A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
C	Results Pending Final Confirmation.
E	The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
Fail	The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
J	The target analyte was positively identified below the reporting limit but greater than the MDL.
MDL	This is the Laboratory Method Detection Limit which is equivalent to the Limit of Detection (LOD). The LOD is an estimate of the minimum amount of a substance that an analytical process can reliably detect. This value will remain constant across multiple similar instrumentation and among different analysts. An LOD is analyte and matrix specific.
ND	Not Detected at or above the reporting limit.
RL	PSS Reporting Limit.
U	Not detected.

Certifications:

NELAP Certifications: PA 68-03330, VA 460156
State Certifications: MD 179, WV 303
Regulated Soil Permit: P330-12-00268
NSWC USCG Accepted Laboratory
LDBE MWAA LD1997-0041-2015

SGS GALSON

Ms. Amber Confer
Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228

September 29, 2021

Account# 15354

Login# L547193

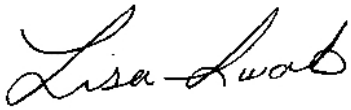
Dear Amber Confer:

Enclosed are the analytical results for the samples received by our laboratory on September 22, 2021. All samples on the chain of custody were received in good condition unless otherwise noted. Any additional observations will be noted on the chain of custody.

Please contact client services at (888) 432-5227 if you would like any additional information regarding this report. Thank you for using SGS Galson.

Sincerely,

SGS Galson



Lisa Swab
Laboratory Director

Enclosure(s)

Terms and Conditions & General Disclaimers

- This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.
- Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Analytical Disclaimers

- Unless otherwise noted within the report, all quality control results associated with the samples were within established control limits or did not impact reported results.
- Note: The findings recorded within this report were drawn from analysis of the sample(s) provided to the laboratory by the Client (or a third party acting at the Client's direction). The laboratory does not have control over the sampling process, including but not limited to the use of field equipment and collection media, as well as the sampling duration, collection volume or any other collection parameter used by the Client. The findings herein constitute no warranty of the sample's representativeness of any sampled environment, and strictly relate to the samples as they were presented to the laboratory. For recommended sampling collection parameters, please refer to the Sampling and Analysis Guide at www.sgsgalson.com.
- Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceding the final result column may have been rounded and therefore, if carried through the calculations, may not yield an identical final result to the one reported.
- The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).
- Unless otherwise noted within the report, results have not been blank corrected for any field blank or method blank data.

Accreditations SGS Galson holds a variety of accreditations and recognitions. Our quality management system conforms with the requirements of ISO/IEC 17025. Where applicable, samples may also be analyzed in accordance with the requirements of ELAP, NELAC, or LELAP under one of the state accrediting bodies listed below. Current Scopes of Accreditation can be viewed at http://www.sgsgalson.com in the accreditations section of the "About" page. To determine if the analyte tested falls under our scope of accreditation, please visit our website or call Client Services at (888) 432-5227.

National/International	Accreditation/Recognition	Lab ID#	Program/Sector
AIHA-LAP, LLC - IHLAP, ELLAP, EMLAP	ISO/IEC 17025 and USEPA NLLAP	Lab ID 100324	Industrial Hygiene, Environmental Lead, Environmental Microbiology

State	Accreditation/Recognition	Lab ID#	Program/Sector
New York (NYSDOH)	ELAP and NELAC (TNI)	Lab ID: 11626	Air Analysis, Solid and Hazardous Waste
New Jersey (NJDEP)	NELAC (TNI)	Lab ID: NY024	Air Analysis
Louisiana (LDEQ)	LELAP	Lab ID: 04083	Air Analysis, Solid Chemical Materials
Texas	Texas Dept. of Licensing and Regulation	Lab ID: 1042	Mold Analysis Laboratory license

Legend

< - Less than	mg - Milligrams	MDL - Method Detection Limit	ppb - Parts per Billion
> - Greater than	ug - Micrograms	NA - Not Applicable	ppm - Parts per Million
l - Liters	m3 - Cubic Meters	NS - Not Specified	ppbv - ppb Volume
LOQ - Limit of Quantitation	kg - Kilograms	ND - Not Detected	ppmv - ppm Volume
ft2 - Square Feet	cm2 - Square Centimeters	in2 - Square Inches	ng - Nanograms

SGS GALSON

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East Syracuse, NY 13057
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FAX: (315) 437-0571
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LABORATORY ANALYSIS REPORT

Client : Phase Separation Science, Inc. Account No.: 15354
Site : F.T. DAY SCHOOL Login No. : L547193
Project No. : ACPS IAQ TESTING-4920002
Date Sampled : 16-SEP-21 Date Analyzed : 24-SEP-21 - 25-SEP-21
Date Received : 22-SEP-21 Report ID : 1267061

4-Phenylcyclohexene (4PCH low LOQ)

Sample ID	Lab ID	Air Vol liter	Front ug	Back ug	Total ug	Conc mg/m3	ppm
FT-MULTI-PURPOSE	L547193-1	48.2	<0.2	<0.2	<0.2	<0.004	<0.0007
FT-MUSIC ROOM	L547193-2	47.8	<0.2	<0.2	<0.2	<0.004	<0.0007
FT-PHYSICAL ACTIVITY	L547193-3	47.4	<0.2	<0.2	<0.2	<0.004	<0.0007
FT-WELCOME CENTER	L547193-4	48	<0.2	<0.2	<0.2	<0.004	<0.0007
FT-CLASS 214	L547193-5	45.8	<0.2	<0.2	<0.2	<0.005	<0.0007
FT-STAIR 230	L547193-6	45.8	<0.2	<0.2	<0.2	<0.005	<0.0007
FT-CLASS 225	L547193-7	44.8	<0.2	<0.2	<0.2	<0.005	<0.0007
FT-C205	L547193-8	45.4	<0.2	<0.2	<0.2	<0.005	<0.0007
FT-CLASS 317	L547193-9	48.2	<0.2	<0.2	<0.2	<0.004	<0.0007
FT-HALLWAY 305C	L547193-10	47.8	<0.2	<0.2	<0.2	<0.004	<0.0007
FT-HALLWAY 302C	L547193-11	48	<0.2	<0.2	<0.2	<0.004	<0.0007
FT-CLASS 412	L547193-12	48.6	<0.2	<0.2	<0.2	<0.004	<0.0007
FT-401A	L547193-13	47.8	<0.2	<0.2	<0.2	<0.004	<0.0007
FT-MEDIA CENTER	L547193-14	48	<0.2	<0.2	<0.2	<0.004	<0.0007
FT-CLASS 420	L547193-15	48	<0.2	<0.2	<0.2	<0.004	<0.0007

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of Quantitation: 0.2 ug
Analytical Method : mod. NIOSH 1501; GC/PID
Collection Media : 226-01

Submitted by: BDK
Date : 29-SEP-21
Supervisor : KAG

Approved by: NKP

GALSON

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.sgsgalson.com

Client Name : Phase Separation Science, Inc.
Site : F.T. DAY SCHOOL
Project No. : ACPS IAQ TESTING-4920002

Date Sampled : 16-SEP-21 Account No.: 15354
Date Received: 22-SEP-21 Login No. : L547193
Date Analyzed: 24-SEP-21 - 25-SEP-21

L547193 (Report ID: 1267061):
Total ug corrected for a desorption efficiency of 97%.
SOPs: GC-SOP-16(26), GC-SOP-8(27), GC-SOP-12(20)

L547193 (Report ID: 1267061):
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2). The estimated accuracy applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process. The accuracy is based solely on spike recovery data from internal quality control samples. Where N/A appears below, insufficient data is available to provide statistical accuracy and mean recovery values for the associated analyte.

Parameter	Accuracy	Mean Recovery
4-Phenylcyclohexene (4PCH low LOQ)	+/-18%	88.2%

L547193 21092013

SGS GALSON

1Z2313E40164686427
Date: 09/22/21
Shipper: UPS
Initials: MAK

Prep: UNKNOWN

☐ New Client?

Report To*: Phase Separation Science
6630 Baltimore National Pike
Baltimore, MD 21228

Client Account No.*:

Phone No.*: 410-747-8770
Cell No.:
Email Results to: Amber Confer
Email address: reporting@phaseonline.com

Invoice To*: Phase Separation Science

Phone No.: 410-747-8770
Email: invoicing@phaseonline.com
P.O. No.: ODC 4920002-001
Credit Card: ☐ Card on File ☐ Call for Credit Card Info.

(6)

☑ Samples submitted using the FreePumpLoan™ Program ☐ Samples submitted using the FreeSamplingBadges™ Program

Need Results By:	(surcharge)
☑ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

Site Name: F.T. Day School Project: ACPS IAQ testing - 4920002 Sampled by: Karl Ford

Comments:

List description of industry or Process/interferences present in sampling area: Public grade school

State samples were collected in (e.g., NY): VA

Please indicate which OEL this data will be used for: ☑ OSHA PEL ☐ ACGIH TLV ☐ Cal OSHA ☐ MSHA ☐ Other (specify):

Sample Identification* (Maxmium of 20 Characters)	Date Sampled	Collection Medium	Sample Volume Sample Time Sample Area*	Sample Units*: L, ml,min,in2,cm2,ft2	Analysis Requested*	Method Reference^	Hexavalent Chromium Process (e.g., welding plating, painting, etc.)*
FT - Multi-Purpose	09/16/21	Sm Charcoal tubes / 226-01	48.2	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Music Room	09/16/21	Sm Charcoal tubes / 226-01	47.8	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Physical Activity	09/16/21	Sm Charcoal tubes / 226-01	47.4	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Welcome Center	09/16/21	Sm Charcoal tubes / 226-01	48.0	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Class 214	09/16/21	Sm Charcoal tubes / 226-01	45.8	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Stair 230	09/16/21	Sm Charcoal tubes / 226-01	45.8	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Class 225	09/16/21	Sm Charcoal tubes / 226-01	44.8	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - C205	09/16/21	Sm Charcoal tubes / 226-01	45.4	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Class 317	09/16/21	Sm Charcoal tubes / 226-01	48.2	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Hallway 305c	09/16/21	Sm Charcoal tubes / 226-01	47.8	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Hallway 302c	09/16/21	Sm Charcoal tubes / 226-01	48.0	L	4-Phenylcyclohexene	mod. NIOSH 1501	

^Galson Laboratories will subsititute our routine/preferred method if it does not match the method listed on the COC unless this box is checked: ☑ Use method(s) listed on COC

For metals analysis: if requesting an analyte with the option of a lower LOQ, please indicate if the lower LOQ is required (only available for certain analytes - see SAG):

For crystalline silica: form(s) of silica needed must be indicated (Quartz, Cristobalite, and/or Tridymite)*:

Chain of Custody	Print Name/Signature	Date	Time		Print Name/Signature	Date	Time
Relinquished by:	Channing Jackson	09/17/21	14:00	Received by:	[signature]	9/20/21	1500
Relinquished by:	[signature]	9/21/21		Received by:	Michelle Krause [signature]	9/22/21	1007

Samples received after 3pm will be considered as next day's business
* Required fields, failure to complete these fields may result in a delay in your samples being processed.

Page 1 of 2

21092013

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888-432-LABS (5227)

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☐ New Client?

Client Account No.*:

Report To* : Phase Separation Science
6630 Baltimore National Pike
Baltimore, MD 21228

Phone No.* : 410-747-8770
Cell No. :
Email Results to : Amber Confer
Email address: reporting@phaseonline.com

Invoice To* : Phase Separation Science

Phone No.: 410-747-8770
Email : invoicing@phaseonline.com
P.O. No. : ODC 4920002-001
Credit Card : ☐ Card on File ☐ Call for Credit Card Info.

☑ Samples submitted using the FreePumpLoan™ Program ☐ Samples submitted using the FreeSamplingBadges™ Program

Need Results By:	(surcharge)
☑ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

Site Name : F.T. Day School Project : ACPS IAQ testing - 4920002 Sampled by : Karl Ford

Comments :

List description of industry or Process/interferences present in sampling area : Public grade school

State samples were collected in (e.g., NY): VA

Please indicate which OEL this data will be used for : ☑ OSHA PEL ☐ ACGIH TLV ☐ Cal OSHA ☐ MSHA ☐ Other (specify):

Sample Identification* (Maxmium of 20 Characters)	Date Sampled	Collection Medium	Sample Volume Sample Time Sample Area*	Sample Units*: L, ml,min,in2,cm2,ft2	Analysis Requested*	Method Reference^	Hexavalent Chromium Process (e.g., welding plating, painting, etc.)*
FT - Class 412	09/16/21	Sm Charcoal tubes / 226-01	48.6	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - 401a	09/16/21	Sm Charcoal tubes / 226-01	47.8	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Media Center	09/16/21	Sm Charcoal tubes / 226-01	48.0	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Class 420	09/16/21	Sm Charcoal tubes / 226-01	48.0	L	4-Phenylcyclohexene	mod. NIOSH 1501	
		Sm Charcoal tubes / 226-01		L	4-Phenylcyclohexene	mod. NIOSH 1501	
		Sm Charcoal tubes / 226-01		L	4-Phenylcyclohexene	mod. NIOSH 1501	
		Sm Charcoal tubes / 226-01		L	4-Phenylcyclohexene	mod. NIOSH 1501	
		Sm Charcoal tubes / 226-01		L	4-Phenylcyclohexene	mod. NIOSH 1501	
		Sm Charcoal tubes / 226-01		L	4-Phenylcyclohexene	mod. NIOSH 1501	
		Sm Charcoal tubes / 226-01		L	4-Phenylcyclohexene	mod. NIOSH 1501	
		Sm Charcoal tubes / 226-01		L	4-Phenylcyclohexene	mod. NIOSH 1501	

^Galson Laboratories will subsititute our routine/preferred method if it does not match the method listed on the COC unless this box is checked: ☑ Use method(s) listed on COC

For metals analysis: if requesting an analyte with the option of a lower LOQ, please indicate if the lower LOQ is required (only available for certain analytes - see SAG):

For crystalline silica: form(s) of silica needed must be indicated (Quartz, Cristobalite, and/or Tridymite)* :

Chain of Custody	Print Name/Signature	Date	Time		Print Name/Signature	Date	Time
Relinquished by :	Channing Jackson	09/17/21	14:00	Received by :	[signature]	9/20/21	1500
Relinquished by :	[signature]	9/21/21		Received by :	Michelle Krause [signature]	9/22/21	1007

Samples received after 3pm will be considered as next day's business

* Required fields, failure to complete these fields may result in a delay in your samples being processed.

Page 2 of 2

Chain of Custody Form for Subcontracted Analyses

Phase Separation Science, Inc
6630 Baltimore National Pike
Baltimore, MD 21228
Phone: (410) 747-8770
Fax: (410) 788-8723

For Questions or issues please contact: Amber Confer

W.O. No. : **21092013**
Project Location : F.T. Day School
Project Number : 4920002
Report To LOD : No

Report Due On :09/29/21 05:00

Samples Transferred To:
SGS North America - NY
6601 Kirkville Road
East Syracuse, NY 13057

Old SGS Galson Labs. bsc
Phone : 315-432-5227

Lab Sample ID	Field Sample ID	Date Sampled	Time Sampled	Matrix	Analyses Required	Method	Type of Container	Preservative
21092013-001	FT- Multi-Purpose	09/16/21	00:00	Air	4-Phenylcyclohexene	VARIOUS	NONSC	NON
21092013-002	FT- Music Room	09/16/21	00:00	Air	4-Phenylcyclohexene	VARIOUS	NONSC	NON
21092013-003	FT- Physical Activity	09/16/21	00:00	Air	4-Phenylcyclohexene	VARIOUS	NONSC	NON
21092013-004	FT- Welcome Center	09/16/21	00:00	Air	4-Phenylcyclohexene	VARIOUS	NONSC	NON
21092013-005	FT- Class 214	09/16/21	00:00	Air	4-Phenylcyclohexene	VARIOUS	NONSC	NON
21092013-006	FT- Stair 230	09/16/21	00:00	Air	4-Phenylcyclohexene	VARIOUS	NONSC	NON
21092013-007	FT- Class 225	09/16/21	00:00	Air	4-Phenylcyclohexene	VARIOUS	NONSC	NON
21092013-008	FT- C205	09/16/21	00:00	Air	4-Phenylcyclohexene	VARIOUS	NONSC	NON
21092013-009	FT- Class 317	09/16/21	00:00	Air	4-Phenylcyclohexene	VARIOUS	NONSC	NON
21092013-010	FT- Hallway 305c	09/16/21	00:00	Air	4-Phenylcyclohexene	VARIOUS	NONSC	NON
21092013-011	FT- Hallway 302c	09/16/21	00:00	Air	4-Phenylcyclohexene	VARIOUS	NONSC	NON
21092013-012	FT- Class 412	09/16/21	00:00	Air	4-Phenylcyclohexene	VARIOUS	NONSC	NON
21092013-013	FT- 401a	09/16/21	00:00	Air	4-Phenylcyclohexene	VARIOUS	NONSC	NON
21092013-014	FT- Media Center	09/16/21	00:00	Air	4-Phenylcyclohexene	VARIOUS	NONSC	NON
21092013-015	FT- Class 420	09/16/21	00:00	Air	4-Phenylcyclohexene	VARIOUS	NONSC	NON

Data Deliverables Required: COA

Perform Q.C. on Sample : _____

Send Report Attn : reporting@phaseonline.com

Send InvoiceAttn : invoicing@phaseonline.com

Airbill No.: _____ Carrier : UPS

Condition Upon Receipt : _____

Comments :

Samples Relinquished By : [signature] Date : 9/21/21 Time: _____ Samples Received By : _____

Samples Relinquished By: _____ Date : _____ Time : _____ Samples Received By: _____

Samples Relinquished By: _____ Date: _____ Time: _____ Samples Received By: Michelle Krause Michelle Krause 9/22/21 1007

6630 Baltimore National Pike
Baltimore, MD 21228
410-747-8770
800-932-9047
www.phaseonline.com

Project Name: ACPS IAQ Testing

PSS Project No.: 21092013

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

Matrix spike and matrix spike duplicate analyses may not be performed due to insufficient sample quantity. In these instances, a laboratory control sample and laboratory control sample duplicate are analyzed unless otherwise noted or specified in the method.

Sample Receipt:

All sample receipt conditions were acceptable.

21092013: Analyses associated with analyst code 4051 were performed by
SGS North America - NY, 6601 Kirkville Road, East Syracuse, NY 13057 - NY 11626

NELAP accreditation was held for all analyses performed unless noted below. See www.phaseonline.com for complete PSS scope of accreditation.

2/09/2013

SGS GALSON

6601 Kirkville Rd
East Syracuse, NY 13057
Tel: (315) 432-5227
888-432-LABS (5227)

www.sgsgalson.com

☐ New Client?

Client Account No.*:

Report To* : Phase Separation Science
6630 Baltimore National Pike
Baltimore, MD 21228

Phone No.* : 410-747-8770
Cell No. :
Email Results to : Amber Confer
Email address: reporting@phaseonline.com

Invoice To* : Phase Separation Science

Phone No.: 410-747-8770
Email : invoicing@phaseonline.com
P.O. No. : ODC 4920002-001
Credit Card : ☐ Card on File ☐ Call for Credit Card Info.

☑ Samples submitted using the FreePumpLoan™ Program ☐ Samples submitted using the FreeSamplingBadges™ Program

Need Results By:	(surcharge)
☑ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

Site Name : F.T. Day School Project : ACPS IAQ testing - 4920002 Sampled by : Karl Ford

Comments :

List description of industry or Process/interferences present in sampling area : Public grade school

State samples were collected in (e.g., NY) VA

Please indicate which OEL this data will be used for : ☑ OSHA PEL ☐ ACGIH TLV ☐ Cal OSHA ☐ MSHA ☐ Other (specify):

Sample Identification* (Maxmium of 20 Characters)	Date Sampled	Collection Medium	Sample Volume Sample Time Sample Area*	Sample Units*: L, ml,min,in2,cm2,ft2	Analysis Requested*	Method Reference^	Hexavalent Chromium Process (e.g., welding plating, painting, etc.)*
FT - Multi-Purpose	09/16/21	Sm Charcoal tubes / 226-01	48.2	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Music Room	09/16/21	Sm Charcoal tubes / 226-01	47.8	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Physical Activity	09/16/21	Sm Charcoal tubes / 226-01	47.4	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Welcome Center	09/16/21	Sm Charcoal tubes / 226-01	48.0	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Class 214	09/16/21	Sm Charcoal tubes / 226-01	45.8	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Stair 230	09/16/21	Sm Charcoal tubes / 226-01	45.8	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Class 225	09/16/21	Sm Charcoal tubes / 226-01	44.8	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - C205	09/16/21	Sm Charcoal tubes / 226-01	45.4	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Class 317	09/16/21	Sm Charcoal tubes / 226-01	48.2	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Hallway 305c	09/16/21	Sm Charcoal tubes / 226-01	47.8	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Hallway 302c	09/16/21	Sm Charcoal tubes / 226-01	48.0	L	4-Phenylcyclohexene	mod. NIOSH 1501	

^Galson Laboratories will subsititute our routine/preferred method if it does not match the method listed on the COC unless this box is checked: ☑ Use method(s) listed on COC

For metals analysis: if requesting an analyte with the option of a lower LOQ, please indicate if the lower LOQ is required (only available for certain analytes - see SAG):

For crystalline silica: form(s) of silica needed must be indicated (Quartz, Cristobalite, and/or Tridymite)* :

Chain of Custody	Print Name/Signature	Date	Time		Print Name/Signature	Date	Time
Relinquished by :	Channing Jackson	09/17/21	14:00	Received by :	Amber Confer	9/20/21	1500
Relinquished by :	Amber Confer	9/21/21		Received by :			

Samples received after 3pm will be considered as next day's business
* Required fields, failure to complete these fields may result in a delay in your samples being processed.

Page 1 of 2

21092013

SGS GALSON

6601 Kirkville Rd
East Syracuse, NY 13057
Tel: (315) 432-5227
888-432-LABS (5227)

www.sgsgalson.com

☐ New Client?

Client Account No.*:

Report To* : Phase Separation Science
6630 Baltimore National Pike
Baltimore, MD 21228

Phone No.* : 410-747-8770
Cell No. :
Email Results to : Amber Confer
Email address: reporting@phaseonline.com

Invoice To* : Phase Separation Science

Phone No.: 410-747-8770
Email : invoicing@phaseonline.com
P.O. No. : ODC 4920002-001
Credit Card : ☐ Card on File ☐ Call for Credit Card Info.

☑ Samples submitted using the FreePumpLoan™ Program ☐ Samples submitted using the FreeSamplingBadges™ Program

Need Results By:	(surcharge)
☑ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

Site Name : F.T. Day School Project : ACPS IAQ testing - 4920002 Sampled by : Karl Ford

Comments :

List description of industry or Process/interferences present in sampling area : Public grade school

State samples were collected in (e.g., NY): VA

Please indicate which OEL this data will be used for : ☑ OSHA PEL ☐ ACGIH TLV ☐ Cal OSHA ☐ MSHA ☐ Other (specify):

Sample Identification* (Maxmium of 20 Characters)	Date Sampled	Collection Medium	Sample Volume Sample Time Sample Area*	Sample Units*: L, ml,min,in2,cm2,ft2	Analysis Requested*	Method Reference^	Hexavalent Chromium Process (e.g., welding plating, painting, etc.)*
FT - Class 412	09/16/21	Sm Charcoal tubes / 226-01	48.6	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - 401a	09/16/21	Sm Charcoal tubes / 226-01	47.8	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Media Center	09/16/21	Sm Charcoal tubes / 226-01	48.0	L	4-Phenylcyclohexene	mod. NIOSH 1501	
FT - Class 420	09/16/21	Sm Charcoal tubes / 226-01	48.0	L	4-Phenylcyclohexene	mod. NIOSH 1501	
		Sm Charcoal tubes / 226-01		L	4-Phenylcyclohexene	mod. NIOSH 1501	
		Sm Charcoal tubes / 226-01		L	4-Phenylcyclohexene	mod. NIOSH 1501	
		Sm Charcoal tubes / 226-01		L	4-Phenylcyclohexene	mod. NIOSH 1501	
		Sm Charcoal tubes / 226-01		L	4-Phenylcyclohexene	mod. NIOSH 1501	
		Sm Charcoal tubes / 226-01		L	4-Phenylcyclohexene	mod. NIOSH 1501	
		Sm Charcoal tubes / 226-01		L	4-Phenylcyclohexene	mod. NIOSH 1501	
		Sm Charcoal tubes / 226-01		L	4-Phenylcyclohexene	mod. NIOSH 1501	

^Galson Laboratories will subsititute our routine/preferred method if it does not match the method listed on the COC unless this box is checked: ☑ Use method(s) listed on COC

For metals analysis: if requesting an analyte with the option of a lower LOQ, please indicate if the lower LOQ is required (only available for certain analytes - see SAG):

For crystalline silica: form(s) of silica needed must be indicated (Quartz, Cristobalite, and/or Tridymite)* :

Chain of Custody	Print Name/Signature	Date	Time		Print Name/Signature	Date	Time
Relinquished by :	Channing Jackson	09/17/21	14:00	Received by :	Amber Confer	9/20/21	1500
Relinquished by :	Amber Confer	9/21/21		Received by :			

Samples received after 3pm will be considered as next day's business
* Required fields, failure to complete these fields may result in a delay in your samples being processed.

Page 2 of 2

PHASE SEPARATION SCIENCE

6630 Baltimore National Pike
Baltimore, MD 21228
410-747-8770
800-932-9047
www.phaseonline.com

Sample Receipt Checklist

Project Name: ACPS IAQ Testing
PSS Project No.: 21092013

Client Name	Total Environmental Concepts - Lortc	**Received By**	Amber Confer
Disposal Date	10/25/2021	**Date Received**	09/20/2021 03:00:00 PM
		Delivered By	Client
		Tracking No	Not Applicable
		Logged In By	Amber Confer

Shipping Container(s)

No. of Coolers 0

		Ice	N/A
Custody Seal(s) Intact?	N/A	Temp (deg C)	
Seal(s) Signed / Dated?	N/A	Temp Blank Present	No
		Sampler Name	Karl Ford
Documentation		MD DW Cert. No.	N/A
COC agrees with sample labels?	Yes		
Chain of Custody	Yes		
Sample Container		Custody Seal(s) Intact?	Not Applicable
Appropriate for Specified Analysis?	Yes	Seal(s) Signed / Dated	Not Applicable
Intact?	Yes		
Labeled and Labels Legible?	Yes		
Holding Time		Total No. of Samples Received	15
All Samples Received Within Holding Time(s)?	Yes	Total No. of Containers Received	15

Preservation

Total Metals	(pH<2)	N/A
Dissolved Metals, filtered within 15 minutes of collection	(pH<2)	N/A
Orthophosphorus, filtered within 15 minutes of collection		N/A
Cyanides	(pH>12)	N/A
Sulfide	(pH>9)	N/A
TOC, DOC (field filtered), COD, Phenols	(pH<2)	N/A
TOX, TKN, NH3, Total Phos	(pH<2)	N/A
VOC, BTEX (VOA Vials Rcvd Preserved)	(pH<2)	N/A
Do VOA vials have zero headspace?		N/A
624 VOC (Rcvd at least one unpreserved VOA vial)		N/A
524 VOC (Rcvd with trip blanks)	(pH<2)	N/A

Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling. Samples which require thermal preservation shall be considered acceptable when received at a temperature above freezing to 6°C. Samples that are hand delivered on the day that they are collected may not meet these criteria but shall be considered acceptable if there is evidence that the chilling process has begun such as arrival on ice.

Samples Inspected/Checklist Completed By: Amber F Confer — Date: 09/21/2021
Amber Confer

PM Review and Approval: N L Jackson — Date: 09/21/2021
Lynn Jackson

SGS GALSON

6601 Kirkville Rd
East Syracuse, NY 13057
Tel: (315) 432-5227
888-432-LABS (5227)

www.sgsgalson.com

☐ New Client?

Client Account No.*:

Report To* : Phase Separation Science
6630 Baltimore National Pike
Baltimore, MD 21228

Phone No.* : 410-747-8770
Cell No. :
Email Results to : Amber Confer
Email address: reporting@phaseonline.com

Invoice To* : Phase Separation Science

Phone No.: 410-747-8770
Email : invoicing@phaseonline.com
P.O. No. : ODC 4920002-001
Credit Card : ☐ Card on File ☐ Call for Credit Card Info.

☑ Samples submitted using the FreePumpLoan™ Program ☐ Samples submitted using the FreeSamplingBadges™ Program

Need Results By:	(surcharge)
☐ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

Site Name : FT Day School Project : ACPS IAQ testing - 4920002 Sampled by : Karl Ford

Comments :
Dosimeter cartrige # noted in the (Hexavelent Chromium Process) colum

List description of industry or Process/interferences present in sampling area :
Public grade school building

State samples were collected in (e.g., NY)
VA

Please indicate which OEL this data will be used for :
☑ OSHA PEL ☐ ACGIH TLV ☐ Cal OSHA
☐ MSHA ☐ Other (specify):

Sample Identification* (Maxmium of 20 Characters)	Date Sampled	Collection Medium	Sample Volume Sample Time Sample Area*	Sample Units*: L, ml,min,in2,cm2,ft2	Analysis Requested*	Method Reference^	Hexavalent Chromium Process (e.g., welding plating, painting, etc.)*
FT - Multi-Purpose	09/16/21	Assay N581 Aldehyde Badge	241	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4715
FT - Music Room	09/16/21	Assay N581 Aldehyde Badge	239	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4824
FT - Physical Activity	09/16/21	Assay N581 Aldehyde Badge	237	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4867
FT - Welcome Center	09/16/21	Assay N581 Aldehyde Badge	240	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4014
FT - Class 214	09/16/21	Assay N581 Aldehyde Badge	229	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5042
FT - Stair 230	09/16/21	Assay N581 Aldehyde Badge	229	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5489
FT - Class 225	09/16/21	Assay N581 Aldehyde Badge	224	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5570
FT - C205	09/16/21	Assay N581 Aldehyde Badge	227	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5599
FT - Class 317	09/16/21	Assay N581 Aldehyde Badge	241	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4668
FT - Hall 305c	09/16/21	Assay N581 Aldehyde Badge	239	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4602
FT - Hall 302c	09/16/21	Assay N581 Aldehyde Badge	240	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4607

^Galson Laboratories will subsitute our routine/preferred method if it does not match the method listed on the COC unless this box is checked: ☑ Use method(s) listed on COC

For metals analysis: if requesting an analyte with the option of a lower LOQ, please indicate if the lower LOQ is required (only available for certain analytes - see SAG):

For crystalline silica: form(s) of silica needed must be indicated (Quartz, Cristobalite, and/or Tridymite)* :

Chain of Custody	Print Name/Signature	Date	Time		Print Name/Signature	Date	Time
Relinquished by :	Channing Jackson	09/17/21	14:00	Received by :			
Relinquished by :				Received by :			

Samples received after 3pm will be considered as next day's business
* Required fields, failure to complete these fields may result in a delay in your samples being processed.

SGS GALSON

6601 Kirkville Rd
East Syracuse, NY 13057
Tel: (315) 432-5227
888-432-LABS (5227)

www.sgsgalson.com

☐ New Client?

Client Account No.*:

Report To* : Phase Separation Science
6630 Baltimore National Pike
Baltimore, MD 21228

Phone No.* : 410-747-8770
Cell No. :
Email Results to : Amber Confer
Email address: reporting@phaseonline.com

Invoice To* : Phase Separation Science

Phone No.: 410-747-8770
Email : invoicing@phaseonline.com
P.O. No. : ODC 4920002-001
Credit Card : ☐ Card on File ☐ Call for Credit Card Info.

☑ Samples submitted using the FreePumpLoan™ Program ☐ Samples submitted using the FreeSamplingBadges™ Program

Need Results By:	(surcharge)
☐ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

Site Name : FT Day School Project : ACPS IAQ testing - 4920002 Sampled by : Karl Ford

Comments :
Dosimeter cartrige # noted in the (Hexavelent Chromium Process) colum

List description of industry or Process/interferences present in sampling area :
Public grade school building

State samples were collected in (e.g., NY)
VA

Please indicate which OEL this data will be used for :
☑ OSHA PEL ☐ ACGIH TLV ☐ Cal OSHA
☐ MSHA ☐ Other (specify):

Sample Identification* (Maxmium of 20 Characters)	Date Sampled	Collection Medium	Sample Volume Sample Time Sample Area*	Sample Units*: L, ml,min,in2,cm2,ft2	Analysis Requested*	Method Reference^	Hexavalent Chromium Process (e.g., welding plating, painting, etc.)*
FT - Multi-Purpose	09/16/21	Assay N581 Aldehyde Badge	241	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4715
FT - Music Room	09/16/21	Assay N581 Aldehyde Badge	239	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4824
FT - Physical Activity	09/16/21	Assay N581 Aldehyde Badge	237	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4867
FT - Welcome Center	09/16/21	Assay N581 Aldehyde Badge	240	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4014
FT - Class 214	09/16/21	Assay N581 Aldehyde Badge	229	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5042
FT - Stair 230	09/16/21	Assay N581 Aldehyde Badge	229	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5489
FT - Class 225	09/16/21	Assay N581 Aldehyde Badge	224	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5570
FT - C205	09/16/21	Assay N581 Aldehyde Badge	227	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD5599
FT - Class 317	09/16/21	Assay N581 Aldehyde Badge	241	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4668
FT - Hall 305c	09/16/21	Assay N581 Aldehyde Badge	239	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4602
FT - Hall 302c	09/16/21	Assay N581 Aldehyde Badge	240	Min	Formaldehyde	mod. OSHA 1007: TPLC/UV	PD4607

^Galson Laboratories will subsitute our routine/preferred method if it does not match the method listed on the COC unless this box is checked: ☑ Use method(s) listed on COC

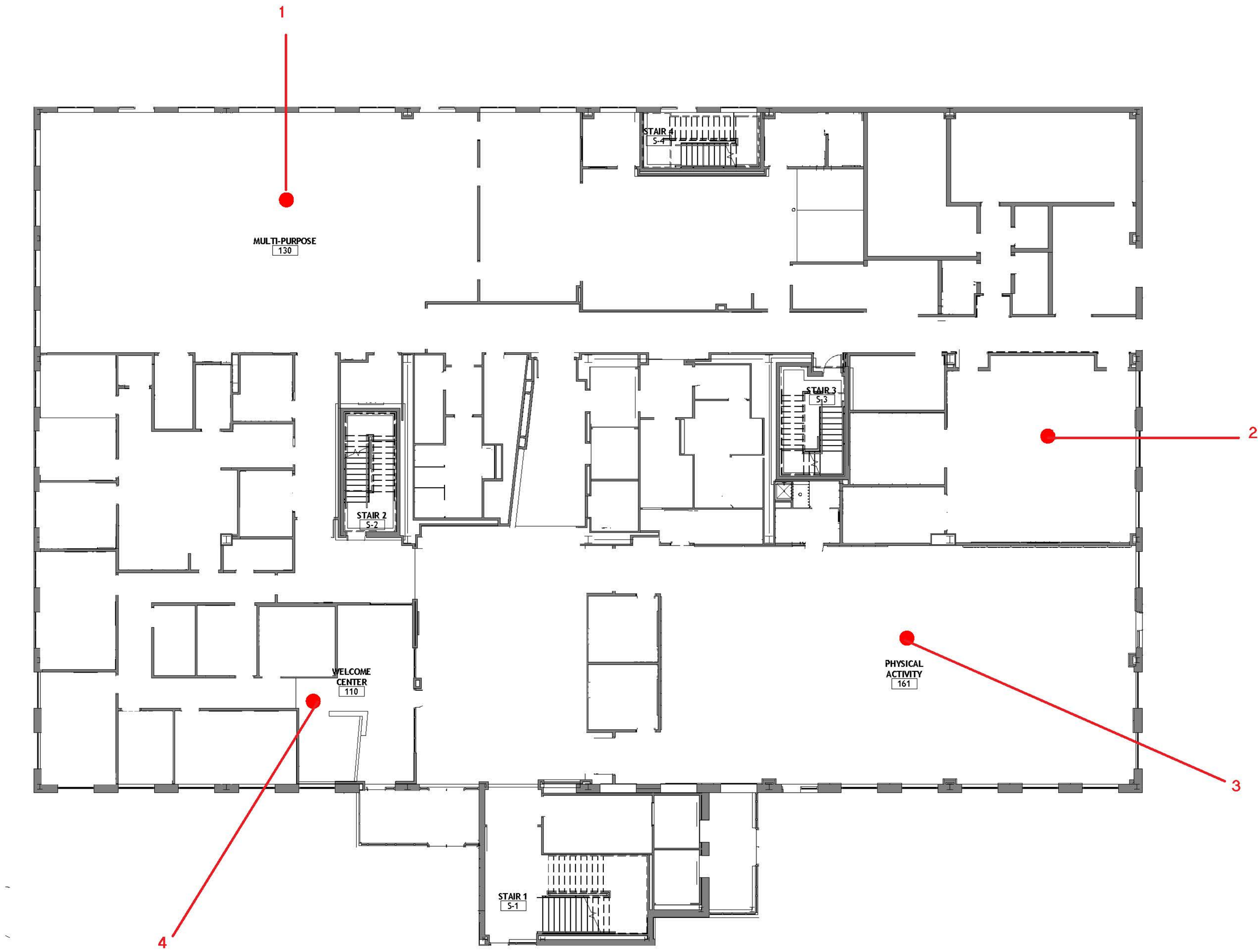
For metals analysis: if requesting an analyte with the option of a lower LOQ, please indicate if the lower LOQ is required (only available for certain analytes - see SAG):

For crystalline silica: form(s) of silica needed must be indicated (Quartz, Cristobalite, and/or Tridymite)* :

Chain of Custody	Print Name/Signature	Date	Time		Print Name/Signature	Date	Time
Relinquished by :	Channing Jackson	09/17/21	14:00	Received by :			
Relinquished by :				Received by :			

Samples received after 3pm will be considered as next day's business
* Required fields, failure to complete these fields may result in a delay in your samples being processed.

Appendix F: Sampling Locations



LEGEND

● Sample Location Analyzed For:

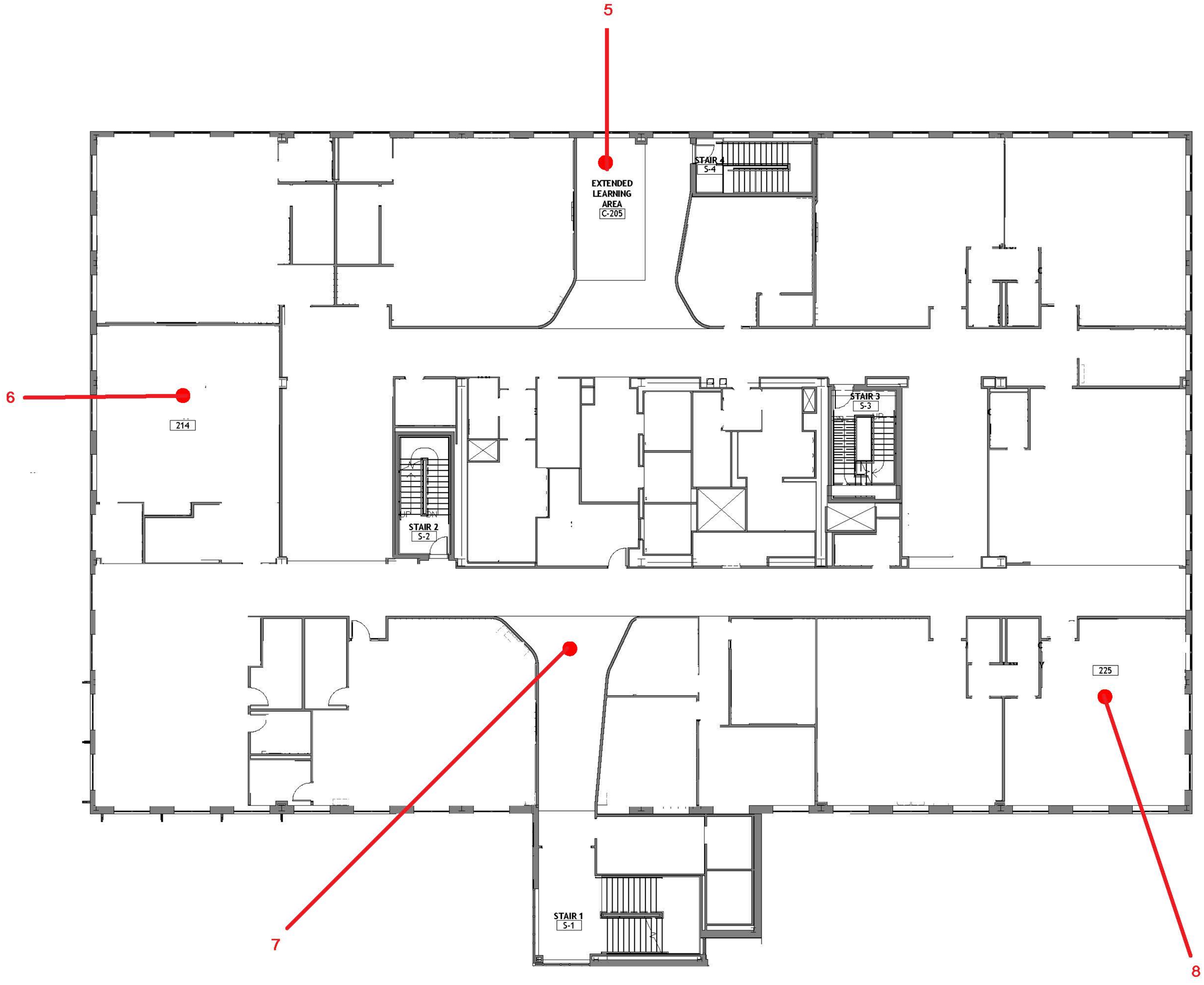
Mold
Radon
VOC's (TO+15)
4-polycyclohexene
Formaldehyde

F. T. DAY SCHOOL

1701 North Beauregard Street
Alexandria, Virginia 22311

Total Environmental Concepts, Inc.
8382 Terminal Road, Suite B
Lorton, VA 22079
Phone: 703-567-4346
Fax: 703-567-3487

Figure 1



LEGEND

● Sample Location Analyzed For:

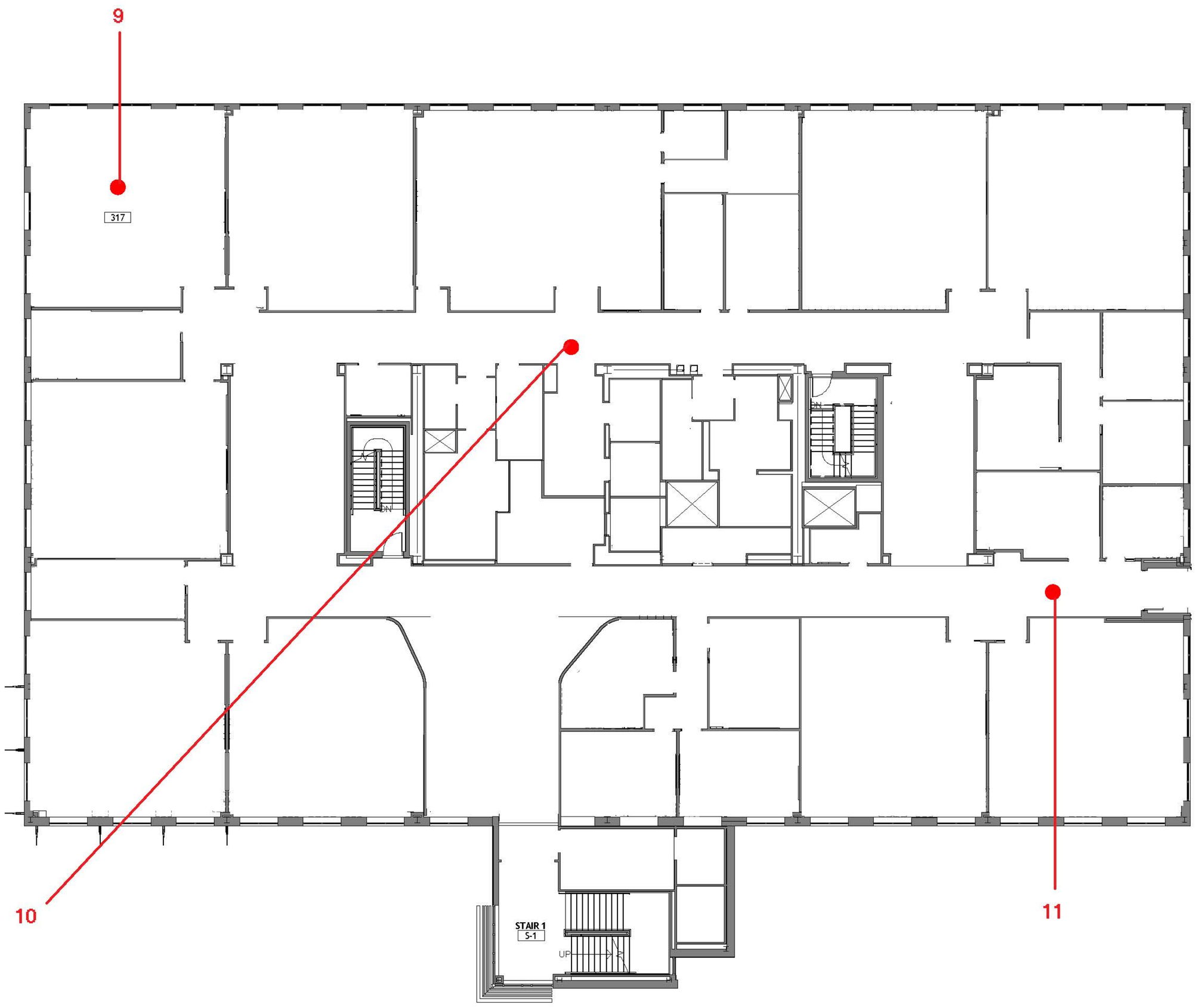
Mold
Radon
VOC's (TO+15)
4-polycyclohexene
Formaldehyde

F. T. DAY SCHOOL

1701 North Beauregard Street
Alexandria, Virginia 22311

Total Environmental Concepts, Inc.
8382 Terminal Road, Suite B
Lorton, VA 22079
Phone: 703-567-4346
Fax: 703-567-3487

Figure 2



LEGEND

● Sample Location Analyzed For:

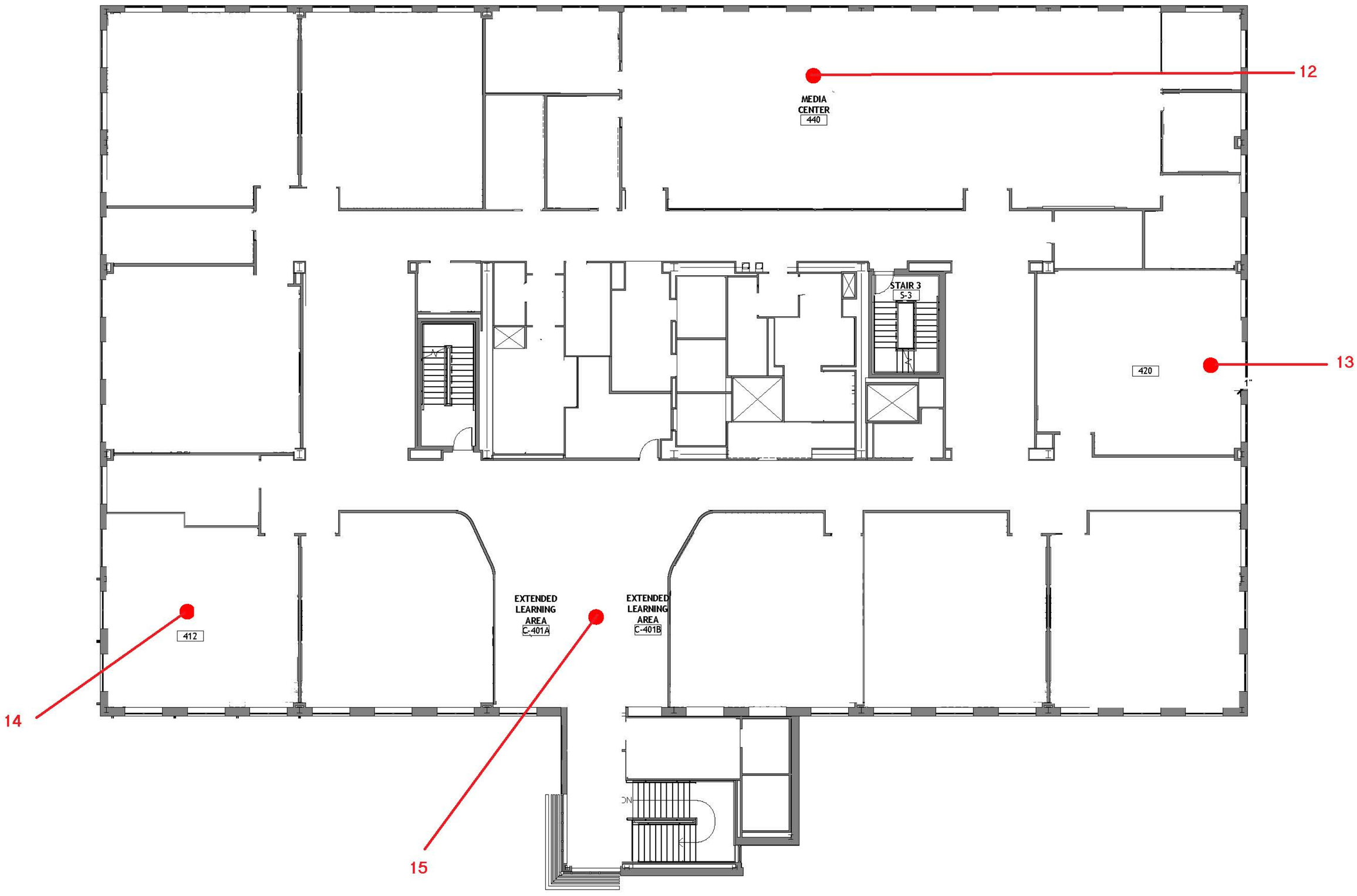
Mold
Radon
VOC's (TO+15)
4-polycyclohexene
Formaldehyde

F. T. DAY SCHOOL

1701 North Beauregard Street
Alexandria, Virginia 22311

Total Environmental Concepts, Inc.
8382 Terminal Road, Suite B
Lorton, VA 22079
Phone: 703-567-4346
Fax: 703-567-3487

Figure 3



LEGEND

● Sample Location Analyzed For:

Mold
Radon
VOC's (TO+15)
4-polycyclohexene
Formaldehyde

F. T. DAY SCHOOL

1701 North Beauregard Street
Alexandria, Virginia 22311

Total Environmental Concepts, Inc.
8382 Terminal Road, Suite B
Lorton, VA 22079
Phone: 703-567-4346
Fax: 703-567-3487

Figure
4

Appendix G: Photographs

F.T. Day, Media Center

F.T. Day, Cafeteria

F.T. Day, Extended Learning Area

F.T. Day, Classroom

F.T. Day, Gym

F.T. Day, Office